Chillers

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For latest data, please consult my.daikin.eu

Forged under severe conditions around the world, Daikin chillers, fan coil units & air handling units provide high quality, operation efficiency and energy savings. Various applications are possible including air conditioning applications, industry-type process cooling and heating, and large-scale district cooling and heating.

A partner of choice

Daikin is Europe's leading manufacturer and global n°1 of highly energy-efficient heating, cooling, ventilation and refrigeration solutions for residential, commercial and industrial applications. Daikin is a leader in using technologies that help preserve the environment, such as those that conserve energy and deliver high reliability to its customers. Daikin's flexible applied systems deliver high efficiency for commercial, institutional and industrial buildings.

The comfort of reliability

Nobody is really looking for complexity in business. Because complexity often leads to mistakes, delays or losses. Unfortunately, the world we are all doing business in, is sometimes quite complex. When looking for further business development, we all expand our national and international operations. And that doesn't make things easy.

As a small scale business or multinational company, you deserve the best partners. Partners that can take away the headaches and make you feel comfortable again. With Daikin, you have found such a partner. Because Daikin would like things to be easy … for you.

Daikin quality

Daikin's much envied quality quite simply stems from the close attention paid to design, production and testing as well as aftersales support. To this end, every component is carefully selected and rigorously tested to verify its contribution to product quality and reliability.

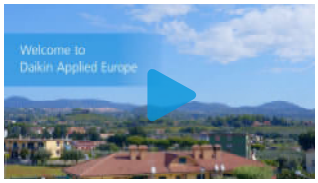
Staff who understands you

Daikin and its staff of devoted engineers, consultants and analysts are ready to assist you on a daily basis in setting up nationwide or international agreements, providing advice on equipment selection and monitoring regulations. Our goal is to help you carry out your plans with confidence, using custom-designed systems that meet your needs (for comfort, performance levels, support and service).

Daikin Applied Development Center

Opened in May 2009, the Daikin Applied Development Center is the world's most advanced facility for heating, ventilation and air conditioning (HVAC) research and development. The purpose of the center is to develop and test advanced chiller, compressor and other HVAC technologies to reduce energy consumption and, ultimately the carbon footprint of the buildings where they will be used.

Find out more about the Daikin Applied Europe in the video below:

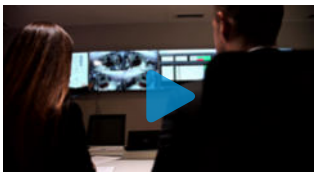


YouTube
www.youtube.com/DaikinEurope

Witness Testing Chiller testing facilities Daikin Applied Europe

We are industry leaders in air cooled and water cooled chiller technologies. Our performance in each condition can be shared through witness tests. During witness testing even the toughest design conditions can be simulated. Customers and consultants can appreciate product performance before its delivery, ensuring "peace of mind" chiller integration in the whole project.
We have specific competencies and state of the art testing facilities to pursue these goals.

Find out more about our testing facilities in the video below:



YouTube
www.youtube.com/DaikinEurope

Tools and platforms

Have a question, looking for specific software applications, need detailed product information or looking for any other marketing tools? This overview gives you an idea of what we can offer.

Selection software

Daikin Europe offers you a variety of building modelling, selection, simulation and quotation software tools to support your sales.

Web-based chiller selection software

A user-friendly interface allows users to quickly create new projects, open and change exisiting projects or simply do a quick selection.

Technical selection reports can be printed or downloaded in several formats.
To make life easier, the tool is accessible everywhere, via any device. No matter where you are, projects can be consulted.

Create now a new account on:
› http://tools.daikinapplied.eu/

ASTRA Web

› Quick AHU selection that will save you precious time, drastically reducing selection time through the new software interface.
› Very competitive solution available within the Wizard thanks to pre-uploaded parameters.
› High selection quality, thanks to the intelligence embedded within the software core.

Online support

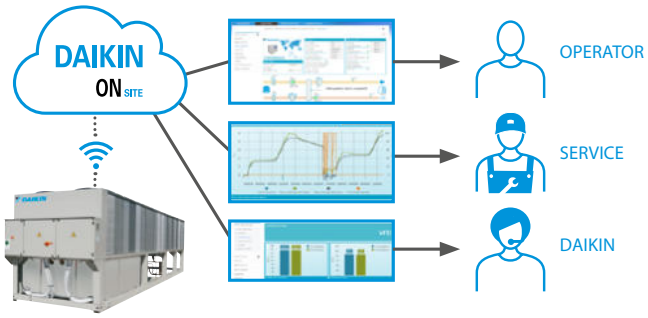
Business portal

Experience our new extranet that thinks with you
› Find information in seconds via a powerful search
› Customize the options so you see only info relevant for you
› Access via mobile or desktop via **my.daikin.eu**

Daikin on Site

A new remote monitoring and control for chillers and air handling units has been developed by Daikin to give peace of mind to the end-customer.

Using this new tool results in optimum use and costs over the system's entire lifetime:
› enhanced control and measuring
› monitors the system
› reduces risks at the earliest possible moment
› keeps the system running as it was intended to



BREEAM®

Daikin, the best partner for your green project

From 2015 onwards the majority of new building projects in Europe are expected to be green.

93% percent of developers & investors consider green certification important

BREEAM and LEED green building programmes are the two most important sustainable building certificates in Europe, covering more than 75% of the total sustainable-building certificate market.

Property developers are setting high standards

› Aiming for a BREEAM Excellent or LEED Gold target is no longer rare
› The real challenge? Achieving these targets while staying within budget

HVAC-R systems play an important role

› Within the total green assessment & investment cost
› They require the alignment of many different parties

It is essential to choose an HVAC-R partner with the knowledge and portfolio to achieve your BREEAM or LEED objectives, and other green needs.

Daikin has successfully participated in many green and sustainable projects. Helping builders achieve BREEAM Excellent, LEED Gold, NZEB and similar certificates has become one of our specialities.

We have a team of BREEAM accredited professionals (APs) at your service!

› Over 17 APs across Europe
› Assisting you to achieve your BREEAM certificate

You get maximum support in scoring BREEAM credits & LEED points:

› Daikin Total HVAC-R Solutions
› High seasonal efficiency technologies
› Smart energy management with intelligent network
› Boost your end score with innovative products & technologies

Maximise your BREEAM and LEED green building programme score with Daikin solutions

› **Manage up to 70% of your energy consumption with the Daikin Total Solution**
› **Top seasonal efficiency**
Both BREEAM and LEED green building programmes put the strongest focus on energy efficiency. This is exactly why it's so important to choose Daikin.
› **Smart air conditioning management with Intelligent Network**
To drastically reduce your energy consumption and CO_2 emissions it's not enough to simply make your equipment more efficient.

SEASONAL EFFICIENCY
Smart use of energy

Seasonal efficiency,

Smart use of energy

Challenging 20-20-20 environmental targets

The European Commission has set challenging targets for improving energy efficiency in the EU. These so-called 20-20-20 targets aim at a 20% reduction in CO_2 emissions, 20% share of renewable energy and a 20% reduction in the use of primary energy, all by the year 2020. To realise these objectives, Europe issued the Eco-Design Directive [2009/125/EC]. This sets minimum efficiency requirements for energy related products.

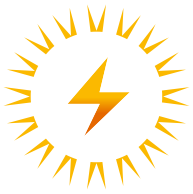
European action plan 20-20-20

-20%

CO_2 emissions vs. 1990

20%

Share of renewable energy



-20%

Primary energy use vs. Business as usual

By the year 2020

Applied systems: products in scope

Since 26 September 2015, heat generators for space heating (LOT 1) also need to comply to these 20-20-20 targets. For the applied systems market it means that all heat pumps below 400 kW need to comply to minimum efficiency requirements. Heat pumps below 70 kW must be marked with a product energy label.

Our service

Daikin helps it partners to meet their obligations regarding the Ecodesign Directive and energy labelling. Labels, product and technical fiches for each individual product are available as downloads at any time from the Energy Label Generator at **https://www.daikin.eu/en_us/about/daikin-innovations/seasonal-efficiency.html**.

Chiller modernisation

Be smart – replace components, not systems

Our concept

Even if the R-22 chiller has been maintained well and is still in good condition, R-22 is no longer allowed to be used. That's why Daikin offers chiller modernisation packages. Not only is the chiller made compliant with the latest legislation, the technology upgrade also revives your system, increasing reliability and efficiency.

Main benefits

- Convert R-22 to be compliant with legislation
- Limit capital
- Save money for future equipment thanks to the chiller's longer lifetime, increased reliability, and improved maintenance efficiency
- Enhance energy efficiency up to +20% ESEER by manufacturer pre-engineered upgrade

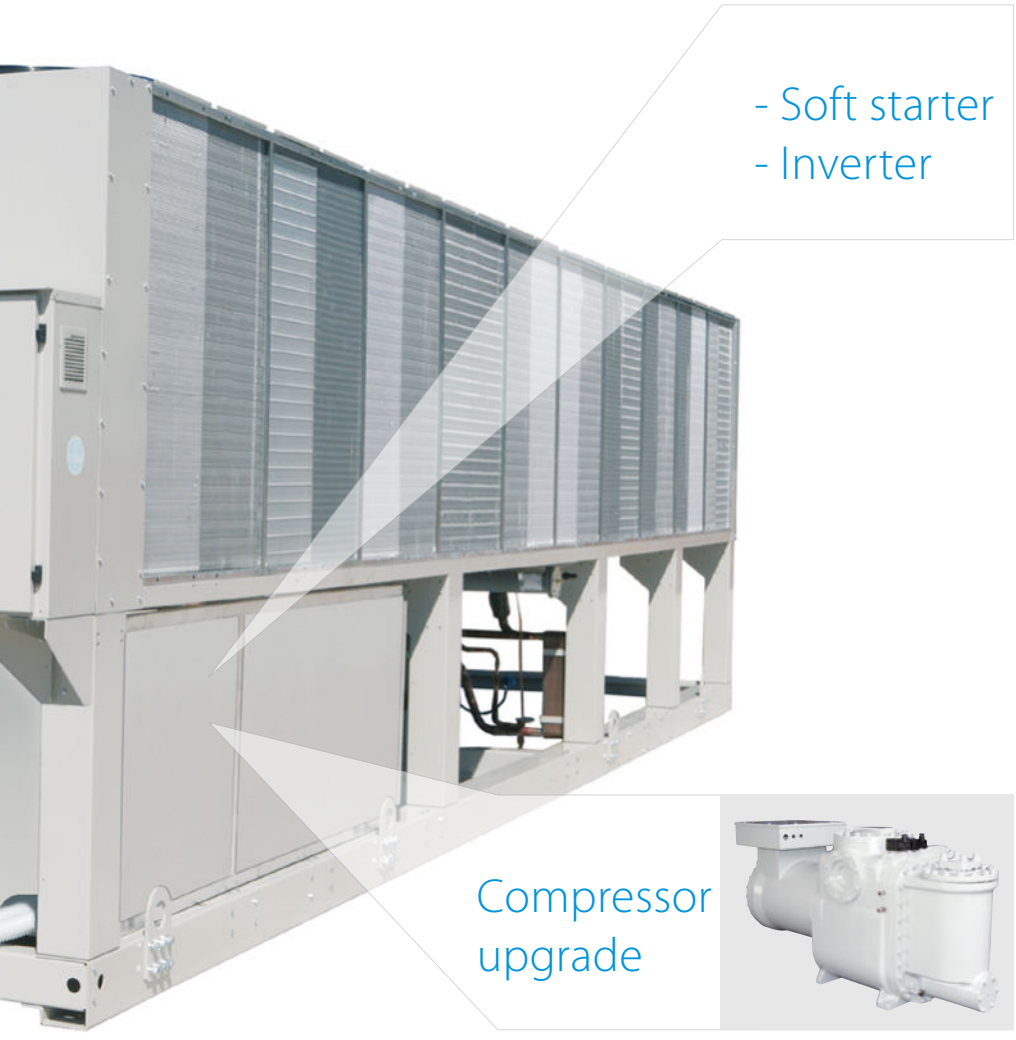
Benefits for budget and risk management

- No chiller removal
- No water pipe work
- No electrical modifications
- Low logistic expenses (transport, cranage, permissions …)
- Quick delivery
- Government-sponsored subsidies may be available

Controller box upgrade

Fact: R-22 has been banned in Europe*

If your equipment is more than 15 years old, it probably still uses R-22 refrigerant. Since 31 December 2014 repairs to R-22 systems are prohibited, possibly resulting in unexpected downtime. Keep your business running at all times with Daikin replacement technology.



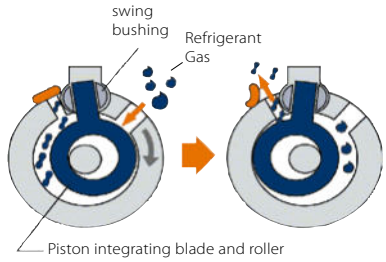
* EU directive: Regulation (EC) No.2037/2000

Day-to-day reliability and efficiency

Inhouse development and manufacturing of compressors

Unlike many other air conditioning manufacturers, Daikin manufactures its own compressors.
This is important because the compressor is the very heart of the air conditioning system, increasing the pressure and temperature of the refrigerant vapour, effectively concentrating the heat as it passes around the system. Daikin has always been at the forefront of developing compressor technology and now offers a comprehensive range of swing, scroll, screw and centrifugal compressors. As a result, inverter compressor control is applied throughout our product range, delivering enhanced comfort and system efficiency.

Swing compressor



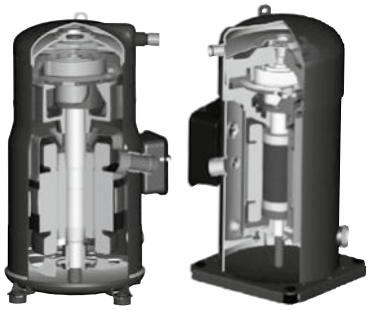
The mini chiller series EWAQ005-007ADVP & EWYQ005-007ADVP are equipped with a swing inverter compressor. This innovative design by Daikin has fewer moving parts allowing a smoother, more reliable operation with low vibration and low noise levels. The high-efficiency motor reduces energy consumption, resulting in energy cost savings.

Scroll compressor for controlled capacity

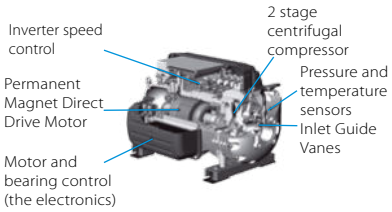
Being compact, the Daikin scroll compressor is used with R-407C and R-410A to provide constant reliability and high efficiency throughout its service life. Designed for small and medium capacities, the scroll compressors are used with air cooled and water cooled chillers.

Characteristics:

- Compact, simple yet robust design
- Absence of valves and oscillating connecting mechanisms providing maximum reliability
- Constant compression guaranteeing low energy consumption
- Increased compression efficiency thanks to the absence of volumetric re-expansion
- Low sound level
- Low starting current



Innovative frictionless centrifugal compressor

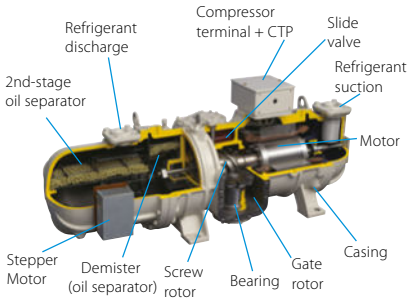


The innovative frictionless centrifugal compressor has an integrated VFD, as well as magnetic bearings, and delivers high levels of unit efficiency and reliability. The compressor's only moving part - the rotor shaft and impellers - are powered by the permanent magnetic direct-drive motor and kept levitated by a digitally controlled magnetic bearing system. This reduction in moving parts significantly increases unit reliability and reduces maintenance costs. As the condensing temperature and/or cooling load reduces, the speed of rotation reduces and movable inlet guide vanes, activated by the step motor, redirect gas flow into the first stage impeller once the compressor has reached its minimum speed. This delivers increased efficiency and cost savings during part-load operations.

Whatever the requirements of the customer - large systems requiring constant capacity or small systems for flexibility - Daikin always provides a reliable and efficient solution.

The single-screw stepless compressor for high capacity

At the heart of the larger Daikin chillers is a semi hermetic single screw compressor, designed, tested and manufactured in Daikin's own factories, in order to meet the highest capacity, performance and maintenance specifications. This compressor has been especially developed for operation with R-410A or R-134a refrigerants, guaranteeing unequalled reliability and many years of efficient operation. The bearing life is 100,000hrs with inspection and maintenance intervals every 40,000hrs.



Characteristics:

- Optimal performance through stepless capacity control chilled water temperatures. The unit capacity is infinitely variable from 30 - 100% on single circuit units and 15 -100 % on dual circuit units.
- Compact, simple yet robust construction.
- Using a main single screw and two gate rotors, axial and radial forces are balanced, thanks to the symmetrical compression guaranteeing low bearing loads.
- Gate rotors made of polymer material result in closer tolerances with the main screw and reduced friction greatly improves compressor efficiency and lifetime.
- No oil pump necessary - lubrication based on the differential pressure principle.
- Easy access to both compressor and safety devices.
- Star-Delta starter with low starting current as standard.

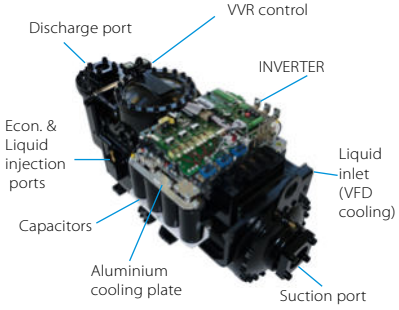
Screw compressor with integrated inverter

Characteristics:

- Compressor and inverter fully designed by Daikin
- Inverter integral to the compressor body
- Inverter refrigerant cooled
- VVR = Variable Volume Ration for optimized efficiency
- Enlarged discharge port and suction side for reduced refrigerant pressure drop
- New optimized compressor motors

Main benefits:

- Better ESEER & EER values
- 30% more compact than single-screw compressor
- Rapid payback time
- Silent operations
- Optimal comfort levels




OFFICE APPLICATION

AIR COOLED CHILLER INSTALLATION

AIR COOLED CHILLER INSTALLATION


INDUSTRIAL APPLICATION


HOTEL
APPLICATION


DATA CENTER
APPLICATION


DAIKIN


PROCESS COOLING
APPLICATION

Daikin chillers

Why choose Daikin chillers?

Daikin chillers are the perfect bridge between project requirements and customer satisfaction.

From the smallest chillers to the very largest, our quality control and attention detail is absolute.

Our systems have the **most advanced technologies**, deliver **the highest energy efficiencies** and **lowest running costs**, and are the gold standard for reliability and performance.

The widest and most flexible chiller portfolio

› From the smallest mini chiller for residential use to the largest chiller for district cooling
› Tailor made solutions based on the most advanced technologies
› Wide range of options and accessories

Worldwide experience in chiller design and manufacturing

› World's most advanced facilities for air conditioning research and development: the Applied Development Center in Minneapolis, Minnesota
› Inhouse development and manufacturing of chiller main components (compressors, fans, condenser coils, software, etc...)
› Chillers produced in European factories, in Milan and Ostend

The highest efficiency for every installation

› Inverter technology over the whole capacity range
› The lowest total cost of ownership and fast payback time

Quality and reliability

› Daikin's integrated zero defect policy ensures quality of components and finished products
› Each Daikin chiller is factory run-tested and subjected to quality audit before shipment

Benefits for installers

› Plug & play solutions
› Maximum serviceability
› Ideal solutions for retrofit projects

Benefits for consultants

› Energy efficient solutions without compromising on reliability and performance
› Latest technology embedded in all our products

Benefits for end users

› Remarkable savings on running costs
› Easy to customise the chiller to your application, environment and need thanks to more than 150 different options.

Web-based chiller selection software

A user-friendly interface allows users to quickly create new projects, open and change exisiting projects or simply do a quick selection.

Technical selection reports can be printed or downloaded in several formats.

To make life easier, the tool is accessible everywhere, via any device. No matter where you are, projects can be consulted.

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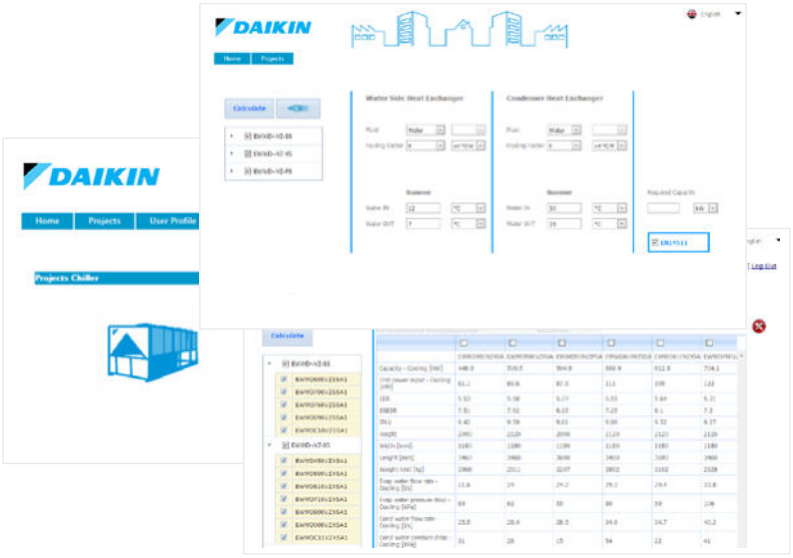
http://tools.daikinapplied.eu/



401 Chiller and air side equipment
Product portfolio

416 Modular L
Product profile

445 EWYD-4Z Multipurpose
Product profile

404 EWAD-TZ B
Product profile

418 Chiller series
Product profile

Supporting tools

Business portal

› Experience our extranet that thinks with you at my.daikin.eu
› Find information in seconds via a powerful search
› Customise the options so you see only info relevant for you
› Access via mobile device or desktop

Website

› www.daikin.eu/en_us/product-group/chillers.html
› Explore our product range
› Find our solutions for applications
› Get more commercial details on our flagship products

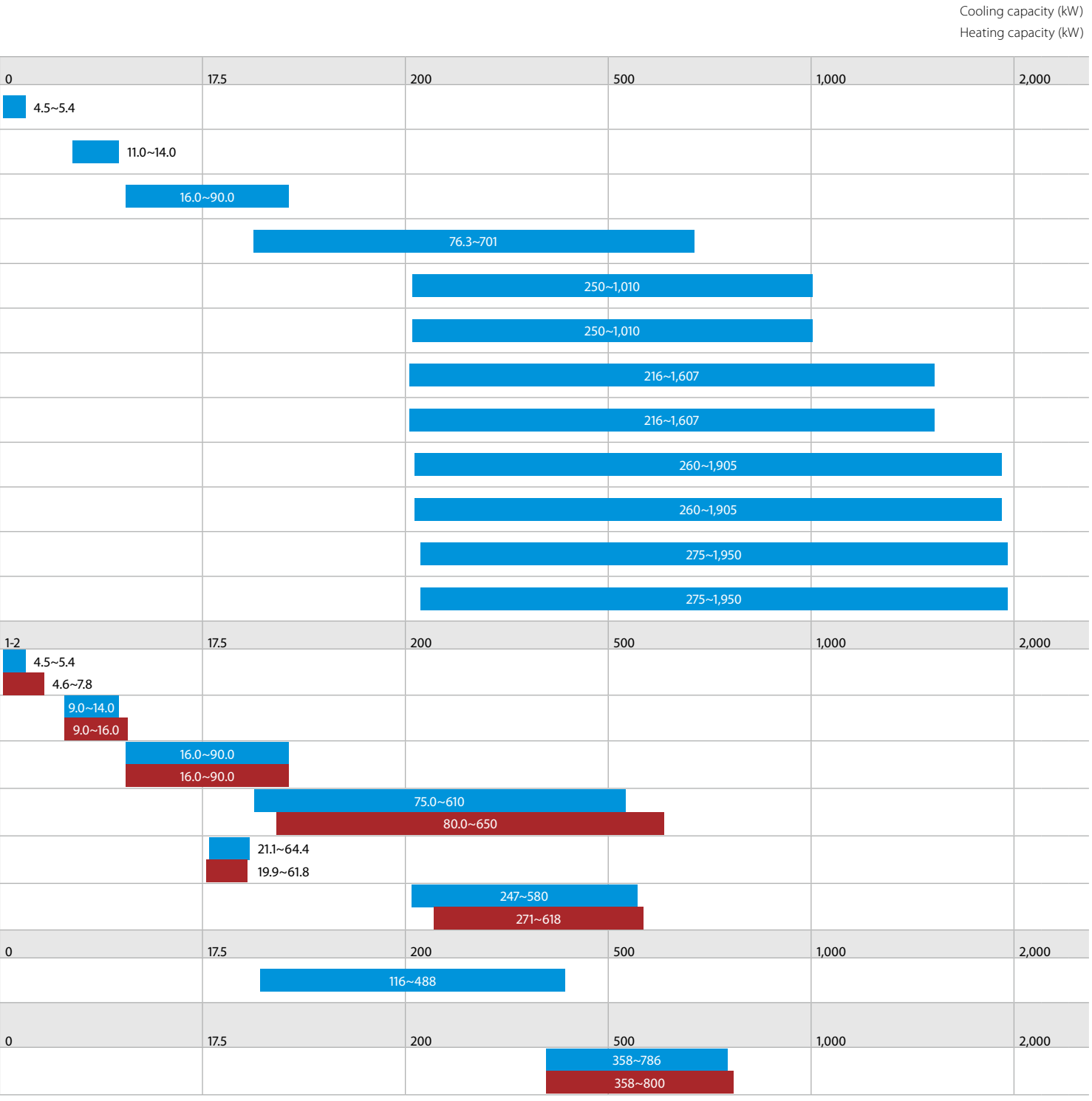
Literature

› Download or consult our literature for our professional network and end-customers

Products overview

		Refrigerant type *	Refrigerant circuits	Inverter	Free cooling	Compressor			Water heat exchanger		Efficiency version				Sound version		
						Swing	Scroll	Screw	Plate **	Single pass shell and tube	Blue	Silver	Gold	Platinum	Standard	Low	Reduced
Cooling only																	
EWAA-DV3P		R-32	1	●		●			● BPHE			●			●		
EWAA-DV3P-H/ DW1P-H		R-32	1	●		●			● BPHE			●			●		
EWAT~CZN/P/H		R-32	1-2	●			●		● BPHE			●			●		
EWAT-B B (Single-V Layout)	NEW 	R-32	1-2				●		●			●	●		●	●	●
EWAT-B C	NEW	R32	1-2				●		●			●	●		●		●
EWFT-B C	NEW	R32	1-2		●		●		●			●	●		●		●
EWAH-TZ D	NEW	R32	1-2	●				●	●	●	●	●	●	●	●		●
EWFH-TZ D	NEW	R1234ze(E)	1-2	●	●			●	●	●	●	●	●	●	●		
EWAS-TZ D	NEW	R1234ze(E)	1-2	●				●	●	●	●	●	●	●	●		●
EWFS-TZ D	NEW	R513A	1-2	●	●			●	●	●	●	●	●	●	●		
EWAD-TZ D	NEW	R513A	1-2	●				●	●	●	●	●	●	●	●		●
EWFD-TZ D	NEW	R134a	1-2	●	●			●	●	●	●	●	●	●	●		
Heat pump																	
EWYA-DV3P		R-32	1	●		●			● BPHE			●			●		
EWYA-DV3P-H/ DW1P-H		R-32	1	●		●			● BPHE			●			●		
EWYT~CZN/P/H		R-32	1-2	●			●		● BPHE			●			●		
EWYT-B		R-32	1-2				●		● BPHE			●	●		●	●	●
EWYT-CZI EWYT-CZO		R-32	1-2	●			●		● BPHE			●			●		
EWYD~BZ		R-134a	2-3	●				●		●		●			●	●	
Condensing unit																	
ERAD~E-		R-134a	1					●				●			●	●	
Multipurpose unit																	
EWYD-4Z		R-134a	2	●				●		●			●		●	●	●

* (GWP): R-410A (2,087.5), R-134a (1,430) - ** BPHE: Brazed plate heat exchanger

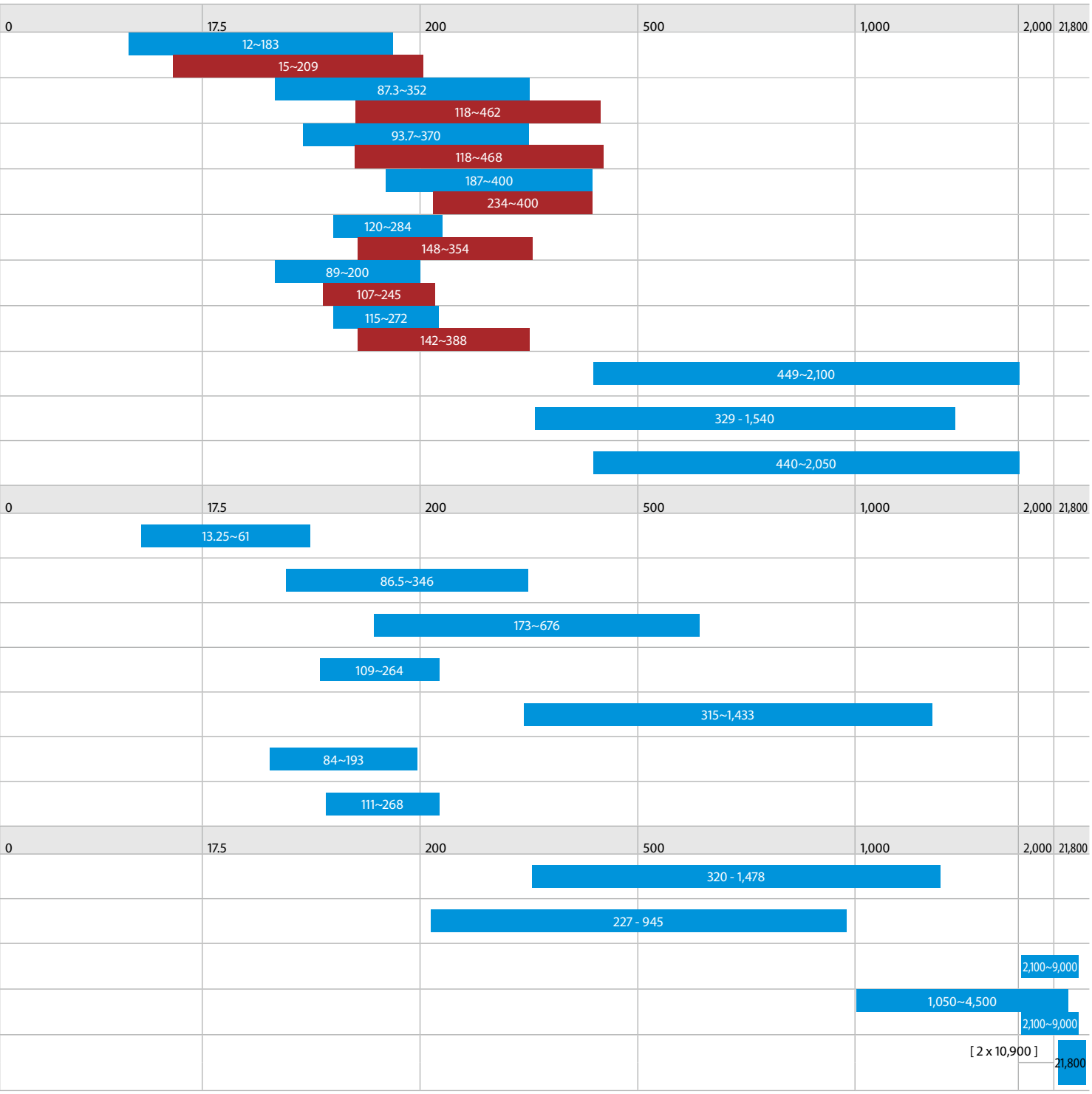

Cooling capacity (kW)
Heating capacity (kW)
0
17.5
200
500
1,000
2,000
4.5~5.4
11.0~14.0
16.0~90.0
76.3~701
250~1,010
250~1,010
216~1,607
216~1,607
260~1,905
260~1,905
275~1,950
275~1,950
1-2
17.5
200
500
1,000
2,000
4.5~5.4
4.6~7.8
9.0~14.0
9.0~16.0
16.0~90.0
16.0~90.0
75.0~610
80.0~650
21.1~64.4
19.9~61.8
247~580
271~618
0
17.5
200
500
1,000
2,000
116~488
0
17.5
200
500
1,000
2,000
358~786
358~800

Products overview

		Refrigerant Type *	Refrigerant circuits	Inverter	Compressor			Water heat exchanger			Efficiency version			Sound version
					Scroll	Screw	Centrifugal	Plate **	Single pass shell and tube	Shell and tube	Standard	High	Premium	Standard
Water cooled chillers (Cooling only and Heat Pump)														
EWWQ-KCW1N		R-410a	1-2		●			●			●			●
EWHQ~G-		R-410A	1		●			●			●			●
EWWQ~G-		R-410A	1		●			●			●			●
EWWQ~L-		R-410A	2		●			●			●			●
EWWD~J-		R-134a	1			●		●			●			●
EWWH-J-		R1234ze	1			●		●			●			●
EWWS-J-		R-513A	1			●		●			●			●
EWWD-VZ		R-134a	1-2	●		●				● Flooded	●	●	●	●
EWWH-VZ		R-1234ze(E)	1-2	●		●				● Flooded	●	●	●	●
EWWS-VZ		R-513A	1-2	●		●				● Flooded	●	●	●	●
Condenserless chillers														
EWLQ-KCW1N		R-410A	1-2		●			● BPHE			●			●
EWLQ~G-		R-410A	1		●			●			●			●
EWLQ~L-		R-410A	2		●			●			●			●
EWLD~J-		R-134a	1			●		●			●			●
EWLD~I-		R-134a	1-2-3			●			●		●			●
EWLH-J-		R1234ze	1			●		●			●			●
EWLS-J-		R-513A	1			●		●			●			●
Water cooled centrifugal chillers														
EWWD-DZ		R-134a	1				●			●		●		●
EWWH-DZ		R-1234ze(E)	1				●			●		●		●
DWDC B		R-134a and R513A	1	optional			●			● Flooded		●		●
DWSC C / DWDC C		R-134a, R-513A and R-1234ze	1	optional			●			● Flooded		●		●
6,000 RT CENTRIFUGAL		R-134a	2 per chiller				●		● Flooded			●		●

* (GWP): R-410A (2,087.5), R-134a (1,430), R-407C (1,773.9) - ** BPHE: Brazed plate heat exchanger

Cooling capacity (kW)
Heating capacity (kW)



Air cooled mini inverter chiller

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Hermetically sealed swing inverter compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation

EW(A-Y)A004-008DV3P_R

More details and final information can be found by scanning or clicking the QR codes.

EWAA-DV3P

Cooling Only				EWAA-D	004DV3P	006DV3P	008DV3P	011DV3P	014DV3P	016DV3P
Space cooling	A Condition Pdc 35°C			kW		-		11.6	12.8	14.0
	ηs,c			%		-		229	226	221
SEER						-		5.79(6)	5.71(6)	5.59(6)
Cooling capacity	Nom.			kW	4.86(1)/4.52(2)	5.83(1)/5.09(2)	6.18(1)/5.44(2)	11.6(4)/11.5(5)	12.8(4)/12.7(5)	14.0(4)/15.3(5)
Power input	Cooling	Nom.		kW	0.820(1)/1.36(2)	1.08(1)/1.55(2)	1.19(1)/1.73(2)	3.56(4)/2.17(5)	4.06(4)/2.51(5)	4.58(4)/3.24(5)
	Heating	Nom.		kW	0.840(1)/1.26(2)	1.24(1)/1.69(2)	1.63(1)/2.23(2)		-	
Capacity control	Method						Variable (inverter)			
EER					5.91(1)/3.32(2)	5.40(1)/3.28(2)	5.19(1)/3.14(2)	3.26(4)/5.31(5)	3.16(4)/5.04(5)	3.06(4)/4.74(5)
Dimensions	Unit	Height		mm		770			870	
		Width		mm		1,250			1,380	
		Depth		mm		362			460	
Weight	Unit			kg		88.0			147	
Water heat exchanger	Type						Plate heat exchanger			
	Water volume			l		1			2	
Air heat exchanger	Type					-			High efficiency fin and tube type with integral subcooler	
Compressor	Type					Hermetically sealed swing compressor			Hermetically sealed swing inverter compressor	
	Quantity						1			
Fan	Type						Propeller fan			
	Quantity						1			
	Air flow rate	Cooling	Nom.	m^3/min		-		70	85	
Sound power level	Cooling	Nom.		dBA	61.0(1)	62.0(1)		67.0	69.0	
Sound pressure level	Cooling	Nom.		dBA	48.0(1)	49.0(1)	50.0(1)	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB		10(3)~43			10~43	
Refrigerant	Type/GWP						R-32/675.0			
	Charge			kg		1.35			-	
	Control					-			Electronic expansion valve	
	Circuits	Quantity				-			1	
Refrigerant charge	Per circuit			kg		-			3.80	
Unit	Running current	Max		A		-			30.8	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50 /230 +/-10%			1~/50 /230	

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) For more details, see operation range drawing | (4) Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5) Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (6) According to EN14825 | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | Depends on operation mode, refer to installation manual.

Air cooled mini inverter chiller

› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
› Inverter chiller
› Hermetically sealed swing inverter compressor
› New casing for the outdoor units
› Separate MMI-2 controller for indoor installation

EWAA-EWYA-D_R

More details and final information can be found by scanning or clicking the QR codes.

EWAA-DW1P

Cooling Only					EWAA	011DW1P	014DW1P	016DW1P
Space cooling	A Condition 35°C	Pdc			kW	11.6	12.8	14.0
	ηs,c				%	229	226	221
SEER						5.79(3)	5.71(3)	5.59(3)
Cooling capacity	Nom.				kW	11.6(1)/11.5(2)	12.8(1)/12.7(2)	14.0(1)/15.3(2)
Power input	Cooling	Nom.			kW	3.56(1)/2.17(2)	4.06(1)/2.51(2)	4.58(1)/3.24(2)
Capacity control	Method					Variable (inverter)		
EER						3.26(1)/5.31(2)	3.16(1)/5.04(2)	3.06(1)/4.74(2)
Dimensions	Unit	Height			mm	870		
		Width			mm	1,380		
		Depth			mm	460		
Weight	Unit				kg	147		
Water heat exchanger	Type					Plate heat exchanger		
	Water volume				l	2		
Air heat exchanger	Type					High efficiency fin and tube type with integral subcooler		
Compressor	Type					Hermetically sealed swing inverter compressor		
	Quantity					1		
Fan	Type					Propeller fan		
	Quantity					1		
	Air flow rate	Cooling	Nom.		m^3/min	70	85	
Sound power level	Cooling	Nom.			dBA	67.0	69.0	
Sound pressure level	Cooling	Nom.			dBA	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.		°CDB	10~43		
	Water side	Cooling	Min.~Max.		°CDB	5~22		
Refrigerant	Type/GWP					R-32/675.0		
	Control					Electronic expansion valve		
	Circuits	Quantity				1		
Refrigerant charge	Per circuit				kg	3.80		
					TCO2Eq	2.6		
Unit	Running current	Max			A	14.0		
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50 /400		

(1) Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2) Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (3) According to EN14825 | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

Air cooled mini inverter chiller

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Hermetically sealed swing inverter compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation

EW(A-Y)A004-008DV3P-H_R

More details and final information can be found by scanning or clicking the QR codes.

EWAA-DV3P-H

Cooling Only				EWAA-D	004DV3P-H	006DV3P-H	008DV3P-H	011DV3P-H-	014DV3P-H-	016DV3P-H-
Space cooling	A Condition 35°C	Pdc		kW		-		11.6	12.8	14.0
		ηs,c		%		-		229	226	221
SEER						-		5.79(6)	5.71(6)	5.59(6)
Cooling capacity	Nom.			kW	4.86(1)/4.52(2)	5.83(1)/5.09(2)	6.18(1)/5.44(2)	11.6(4)/11.5(5)	12.8(4)/12.7(5)	14.0(4)/15.3(5)
Power input	Cooling	Nom.		kW	0.820(1)/1.36(2)	1.08(1)/1.55(2)	1.19(1)/1.73(2)	3.56(4)/2.17(5)	4.06(4)/2.51(5)	4.58(4)/3.24(5)
	Heating	Nom.		kW	0.840(1)/1.26(2)	1.24(1)/1.69(2)	1.63(1)/2.23(2)		-	
Capacity control	Method						Variable (inverter)			
EER					5.91(1)/3.32(2)	5.40(1)/3.28(2)	5.19(1)/3.14(2)	3.26(4)/5.31(5)	3.16(4)/5.04(5)	3.06(4)/4.74(5)
Dimensions	Unit	Height		mm		770			870	
		Width		mm		1,250			1,380	
		Depth		mm		362			460	
Weight	Unit			kg		88.0			147	
Water heat exchanger	Type						Plate heat exchanger			
	Water volume			l		1			2	
Air heat exchanger	Type					-			High efficiency fin and tube type with integral subcooler	
Compressor	Type					Hermetically sealed swing compressor			Hermetically sealed swing inverter compressor	
	Quantity						1			
Fan	Type						Propeller fan			
	Quantity						1			
	Air flow rate	Cooling	Nom.	m^3/min		-		70	85	
Sound power level	Cooling	Nom.		dBA	61.0(1)	62.0(1)		67.0	69.0	
Sound pressure level	Cooling	Nom.		dBA	48.0(1)	49.0(1)	50.0(1)	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB		10(3)~43			10~43	
Refrigerant	Type/GWP						R-32/675.0			
	Charge			kg		1.35			-	
	Control					-			Electronic expansion valve	
	Circuits	Quantity				-			1	
Refrigerant charge	Per circuit			kg		-			3.80	
Unit	Running current	Max		A		-			30.8	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50 /230 +/-10%			1~/50 /230	

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) For more details, see operation range drawing | (4) Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5) Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (6) According to EN14825 | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | Depends on operation mode, refer to installation manual.

Air cooled mini inverter chiller

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Inverter chiller
- Hermetically sealed swing inverter compressor
- New casing for the outdoor units
- Separate MMI-2 controller for indoor installation

EWAA-EWYA-D_R

More details and final information can be found by scanning or clicking the QR codes.

EWAA-DW1P-H

Cooling Only					EWAA	011DW1P-H-	014DW1P-H-	016DW1P-H-
Space cooling	A Condition 35°C	Pdc		kW		11.6	12.8	14.0
	ηs,c			%		229	226	221
SEER						5.79(3)	5.71(3)	5.59(3)
Cooling capacity	Nom.			kW		11.6(1)/11.5(2)	12.8(1)/12.7(2)	14.0(1)/15.3(2)
Power input	Cooling	Nom.		kW		3.56(1)/2.17(2)	4.06(1)/2.51(2)	4.58(1)/3.24(2)
Capacity control	Method					Variable (inverter)		
EER						3.26 (1)/5.31 (2)	3.16 (1)/5.04 (2)	3.06 (1)/4.74 (2)
Dimensions	Unit	Height		mm		870		
		Width		mm		1,380		
		Depth		mm		460		
Weight	Unit			kg		147		
Water heat exchanger	Type					Plate heat exchanger		
	Water volume			l		2		
Air heat exchanger	Type					High efficiency fin and tube type with integral subcooler		
Compressor	Type					Hermetically sealed swing inverter compressor		
	Quantity					1		
Fan	Type					Propeller fan		
	Quantity					1		
	Air flow rate	Cooling	Nom.	m^3/min		70	85	
Sound power level	Cooling	Nom.		dBA		67.0	69.0	
Sound pressure level	Cooling	Nom.		dBA		47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB		10~43		
	Water side	Cooling	Min.~Max.	°CDB		5~22		
Refrigerant	Type/GWP					R-32/675.0		
	Control					Electronic expansion valve		
	Circuits	Quantity				1		
Refrigerant charge	Per circuit			kg		3.80		
				TCO2Eq		2.6		
Unit	Running current	Max		A		14.0		
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400		

(1) Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2) Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (3) According to EN14825 | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

INVERTER

Air cooled scroll inverter chiller

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request

EWAT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWAT-CZN

Cooling Only				EWAT	016CZN-A1	021CZN-A1	025CZN-A1	032CZN-A1	040CZN-A1	040CZN-A2	050CZN-A2	064CZN-A2	090CZN-A2
Space cooling	A Condition Pdc 35°C			kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
	ηs,c			%	197		200	205	201	213	210	205	198
SEER					5.00		5.06	5.21	5.09	5.41	5.33	5.21	5.03
Cooling capacity	Nom.			kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
Power input	Cooling	Nom.		kW	5.50	6.60	8.50	10.3	13.4	13.2	17.0	21.8	31.0
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.90	3.16	3.00	3.13	2.95	3.12	2.98	2.93	2.84
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	222	245		340	339	480		574	672
	Operation weight			kg	223	247		343	342	486		580	680
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800		900	700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76.0		78.0	79.0	80.0		81.0	83.0	85.0
Sound pressure level	Cooling	Nom.		dBA	59.7		61.7	62.2	63.2	62.8	63.8	65.4	67.0
Refrigerant	Type/GWP				R-32/675								
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

INVERTER

Air cooled scroll inverter chiller

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request

EWAT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWAT-CZP

Cooling Only				EWAT	016CZP-A1	021CZP-A1	025CZP-A1	032CZP-A1	040CZP-A1	040CZP-A2	050CZP-A2	064CZP-A2	090CZP-A2
Space cooling	A Condition Pdc 35°C			kW	16.0	21.0	25.7	32.6	39.8	41.6	51.0	64.3	88.6
	ηs,c			%	209	213		225	211	228	216	211	204
SEER					5.30	5.41		5.70	5.36	5.76	5.48	5.34	5.18
Cooling capacity	Nom.			kW	16.1	21.1	25.9	32.7	39.9	41.7	51.1	64.4	88.8
Power input	Cooling	Nom.		kW	5.45	6.56	8.48	10.3	13.3	13.2	16.9	21.9	31.1
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.96	3.22	3.05	3.18	3.00	3.17	3.03	2.95	2.85
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	256	278		383	382	531		630	727
	Operation weight			kg	257	280		386	385	537		636	735
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800	900		700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76.0	78.0		79.0	80.0		81.0	-	
Sound pressure level	Cooling	Nom.		dBA	59.7	61.7		62.2	63.2	62.8	63.8	-	
Refrigerant	Type/GWP				R-32/675								
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

INVERTER

Air cooled scroll inverter chiller

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request

EWAT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWAT-CZH

Cooling Only				EWAT	016CZH-A1	021CZH-A1	025CZH-A1	032CZH-A1	040CZH-A1	040CZH-A2	050CZH-A2	064CZH-A2	090CZH-A2
Space cooling	A Condition Pdc 35°C			kW	16.1	21.1	25.8	32.7	39.9	41.7	51.1	64.3	88.7
	ηs,c			%	205	210	211	224	210	227	213	208	202
Cooling capacity	Nom.			kW	16.2	21.2	25.9	32.8	40.1	41.8	51.3	64.5	88.9
Power input	Cooling	Nom.		kW	5.60	6.70	8.70	10.4	13.5	13.3	17.0	22.0	31.2
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.89	3.15	2.98	3.14	2.97	3.15	3.02	2.93	2.85
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	256	278		383	382	531		630	727
	Operation weight			kg	257	280		386	385	537		636	735
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.20
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800		900	700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76.0		78.0	79.0	80.0		81.0	83.0	85.0
Sound pressure level	Cooling	Nom.		dBA	59.7		61.7	62.2	63.2	62.8	63.8	65.4	67.0
Refrigerant	Type/GWP				R-32/675								R-32/675.0
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

INVERTER

Air cooled scroll inverter heat pump

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request
- Dedicated controller extension (EKRSCIOH) for Heating applications

EWYT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWYT-CZN

Heating & Cooling				EWYT	016CZN-A1	021CZN-A1	025CZN-A1	032CZN-A1	040CZN-A1	040CZN-A2	050CZN-A2	064CZN-A2	090CZN-A2
Space cooling	A Condition 35°C	Pdc		kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
		ηs,c		%	197		200	205	201	213	210	205	198
SEER					5.00		5.06	5.21	5.09	5.41	5.33	5.21	5.03
Space heating	Average climate water outlet 35°C	General	SCOP		3.89	4.00	4.07	4.06	4.07	4.02	4.00	3.98	4.00
			Seasonal space heating eff. class		A++								
Cooling capacity	Nom.			kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
Heating capacity	Nom.			kW	15.9	20.2	24.8	32.4	39.4	40.3	49.8	61.9	85.8
Power input	Cooling	Nom.		kW	5.50	6.60	8.50	10.3	13.4	13.2	17.0	21.8	31.0
	Heating	Nom.		kW	4.70	5.80	7.50	9.40	11.8	11.9	15.4	19.1	27.2
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.90	3.16	3.00	3.13	2.95	3.12	2.98	2.93	2.84
COP					3.41	3.46	3.33	3.45	3.33	3.38	3.24	3.23	3.16
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	227	252		350	349	494		588	693
	Operation weight			kg	228	254		353	352	500		594	701
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
		Heating	Nom.	l/s	0.8	1.0	1.2	1.5	1.9		2.4	3.0	4.1
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
		Heating	Nom.	kPa	19.6	10.6	15.4	19.1	27.1	9.4	13.8	20.4	19.1
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800		900	700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76.0		78.0	79.0	80.0		81.0	83.0	85.0
Sound pressure level	Cooling	Nom.		dBA	59.7		61.7	62.2	63.2	62.8	63.8	65.4	67.0
Refrigerant	Type/GWP				R-32/675								
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

INVERTER

Air cooled scroll inverter heat pump

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request
- Dedicated controller extension (EKRSCIOH) for Heating applications

EWYT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWYT-CZP

Heating & Cooling				EWYT	016CZP-A1	021CZP-A1	025CZP-A1	032CZP-A1	040CZP-A1	040CZP-A2	050CZP-A2	064CZP-A2	090CZP-A2
Space cooling	A Condition 35°C	Pdc		kW	16.0	21.0	25.7	32.6	39.8	41.6	51.0	64.3	88.6
		ηs,c		%	209	213		225	211	228	216	211	204
SEER					5.30	5.41		5.70	5.36	5.76	5.48	5.34	5.18
Space heating	Average climate water outlet 35°C	General	SCOP		4.03	4.19		4.18		4.19	4.12	4.01	4.04
			Seasonal space heating eff. class		A++								
Cooling capacity	Nom.			kW	16.1	21.1	25.9	32.7	39.9	41.7	51.1	64.4	88.8
Heating capacity	Nom.			kW	15.6	19.9	24.6	32.1	39.0	40.0	49.5	61.4	85.3
Power input	Cooling	Nom.		kW	5.45	6.56	8.48	10.3	13.3	13.2	16.9	21.9	31.1
	Heating	Nom.		kW	4.63	5.81	7.42	9.32	11.7	11.8	15.3	19.2	27.3
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.96	3.22	3.05	3.18	3.00	3.17	3.03	2.95	2.85
COP					3.37	3.43	3.31	3.44	3.33	3.38	3.23	3.20	3.13
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	261	286		393	392	546		644	749
	Operation weight			kg	262	288		396	395	551		650	757
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
		Heating	Nom.	l/s	0.8	1.0	1.2	1.5	1.9		2.4	3.0	4.1
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
		Heating	Nom.	kPa	19.6	10.6	15.4	19.1	27.1	9.4	13.8	20.4	19.1
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800	900	700	900	700	900	800	900	
Sound power level	Cooling	Nom.		dBA	76.0	78.0	79.0	80.0		81.0	83.0	85.0	
Sound pressure level	Cooling	Nom.		dBA	59.7	61.7	62.2	63.2	62.8	63.8	65.4	67.0	
Refrigerant	Type/GWP				R-32/675								
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

INVERTER

Air cooled scroll inverter heat pump

- Inverter chiller
- High part load efficiency for low running cost
- Minimal starting currents
- No buffertank required for standard applications
- Daikin scroll compressor
- Wide operation range
- Integrated hydronic module on request
- Dedicated controller extension (EKRSCIOH) for Heating applications

EWYT-CZ_R

More details and final information can be found by scanning or clicking the QR codes.

EWYT-CZH

Heating & Cooling				EWYT	016CZH-A1	021CZH-A1	025CZH-A1	032CZH-A1	040CZH-A1	040CZH-A2	050CZH-A2	064CZH-A2	090CZH-A2
Space cooling	A Condition 35°C	Pdc		kW	16.1	21.1	25.8	32.7	39.9	41.7	51.1	64.3	88.7
		ηs,c		%	205	210	211	224	210	227	213	208	202
SEER					5.20	5.32	5.34	5.67	5.34	5.76	5.40	5.27	5.12
Space heating	Average climate water outlet 35°C	General	SCOP		3.88	4.06	4.08	4.11	4.13	4.14	4.09	3.94	4.00
			Seasonal space heating eff. class		A++								
Cooling capacity	Nom.			kW	16.2	21.2	25.9	32.8	40.1	41.8	51.3	64.5	88.9
Heating capacity	Nom.			kW	15.5	19.8	24.5	32.0	38.9	39.9	49.4	61.3	85.2
Power input	Cooling	Nom.		kW	5.60	6.70	8.70	10.4	13.5	13.3	17.0	22.0	31.2
	Heating	Nom.		kW	4.80	6.00	7.60	9.50	11.9	12.0	15.4	19.3	27.4
Capacity control	Method				Inverter controlled								
	Minimum capacity			%	18	14	12	19	15	14	12	15	14
EER					2.89	3.15	2.98	3.14	2.97	3.15	3.02	2.93	2.85
COP					3.24	3.31	3.22	3.37	3.28	3.33	3.20	3.17	3.12
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm	1,878								
		Width		mm	1,152			1,752		2,306		2,906	3,506
		Depth		mm	802					814			
Weight	Unit			kg	261	286		393	392	546		644	749
	Operation weight			kg	262	288		396	395	551		650	757
Water heat exchanger	Type				Braze plate heat exchanger								
	Water volume			l	1	2				5			8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
		Heating	Nom.	l/s	0.8	1.0	1.2	1.5	1.9		2.4	3.0	4.1
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
		Heating	Nom.	kPa	19.6	10.6	15.4	19.1	27.1	9.4	13.8	20.4	19.1
Air heat exchanger	Type				High efficiency fin and tube type – Copper Aluminum								
Compressor	Type				Scroll compressor								
	Quantity				1					2			
Fan	Type				Axial								
	Quantity				1			2				3	4
	Speed			rpm	800	900	700	900	700	900	800	900	
Sound power level	Cooling	Nom.		dBA	76.0	78.0	79.0	80.0		81.0	83.0	85.0	
Sound pressure level	Cooling	Nom.		dBA	59.7	61.7	62.2	63.2	62.8	63.8	65.4	67.0	
Refrigerant	Type/GWP				R-32/675								
	Charge			kg	3.00	5.50		7.00	8.00	12.0		13.0	16.0
	Circuits	Quantity			1					2			
Piping connections	Evaporator water inlet/outlet (OD)				1"1/4					2"			

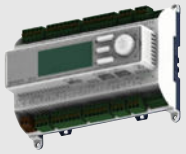
Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

Inverter screw cooling only with BLU efficiency. Standard sound.

- Environmentally conscious HFC134a – the most thermodynamically efficient refrigerant for air cooled applications
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,950 kW
- New single screw compressor geometry allowing performance optimization
- Refrigerant cooled inverter mounted on compressor all across the range
- Premium energy efficiency both at full and part load conditions
- Best capacity with smallest footprint
- Microchannel coils
- Unique fully integrated active harmonic filtration solution
- Performance monitoring
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions

More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZBSD



MicroTech 4

EWAD_H_S-TZ-D

					EWAD-TZBSD	275	320	345	400	470	510	525	545	570	580	625	630	670	755
SEER						4.517	4.637	4.636	4.829	4.809	4.561	4.73	4.55	4.552	4.711	4.65	4.556	4.564	4.917
Cooling capacity	Nom.			kW		274.8	316.9	346	418.5	467	512.6	520.7	543.7	573.2	574.7	622.2	630.9	674	753.1
Power input	Cooling	Nom.		kW		91.31	100.1	115.5	136.4	159.9	171	167.6	188.4	206	198.2	230.6	216.2	242.8	231.7
Capacity control	Method					Stepless													
	Minimum capacity			%		22	19	17	22	23	11	22	10		19	17	10		13
EER						3	3.2	3	3.1	2.9	3	3.1	2.9	2.8	2.9	2.7	2.9	2.8	3.3
IPLV						4.4	4.6		4.8		4.4	4.7	4.4		4.7		4.5		4.9
Dimensions	Unit	Height		mm		2,553													
		Width		mm		2,238													
		Depth		mm		2,560	3,640				4,720						5,800		6,880
Weight	Unit			kg		2,602	3,084		3,486		4,212	4,032	4,212		4,032		4,695		5,670
	Operation weight			kg		2,677	3,169		3,583.7	3,593.7	4,552	4,160.1	4,557	4,562	4,170.1	4,175.1	5,035	5,045	6,055
Air heat exchanger	Type					Microchannel													
Compressor	Type					Screw compressor													
	Quantity					1					2	1	2		1		2		
Fan	Type					Direct propeller													
	Quantity					4	6				8						10		12
	Air flow rate	Cooling	Nom.	l/s		25,490	38,240				50,980	50,990	50,980		50,990		63,730		76,480
Sound power level	Cooling	Nom.		dBA		97	98	100	97		99	98	99	100	98	101		102	99
Sound pressure level	Cooling	Nom.		dBA		78		80	78	77	79	77	79	80	78	80		82	78
Operation range	Air side	Cooling	Min.~Max.	°CDB		5 ~46													
Refrigerant	Type/GWP					R-134a/1,430													
	Charge			kg		35	45		55	65	70		75	80		85		95	105
	Circuits	Quantity				1					2	1	2		1		2		
Piping connections	Evaporator water inlet/outlet (OD)					88.9mm			139.7mm		168.3mm	139.7mm	168.3mm		139.7mm		168.3mm		
Unit	Starting current	Max		A		0													
	Running current	Cooling	Nom.	A		179.1	196.2	217.6	248.4	283.5	336.9	298.8	367.3	392.4	344.2	392.3	412.1	450	434.7
		Max		A		220	262	284	346	362	411	400	440	471	457	464	512	556	600
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400													

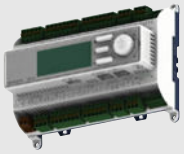
					EWAD-TZBSD	830	915	C10	H10	H11	C12	C13	C14	C15	H16	H17	H18	H19
SEER						4.879	4.901	4.855	4.797	4.936	4.942	4.906	4.849	4.858	5.044	4.995	4.997	4.979
Cooling capacity	Nom.			kW		825.6	916.8	997.9	1,092	1,168	1,238	1,332	1,405	1,534	1,665	1,760	1,876	1,954
Power input	Cooling	Nom.		kW		267.5	298.4	347.8	369.7	387.5	409.9	447	494.1	531.7	546.3	608.6	659.1	730.3
Capacity control	Method					Stepless												
	Minimum capacity			%		11	13	11	10						13	12	11	10
EER						3.1		2.9	3				2.8	2.9	3	2.9	2.8	2.7
IPLV						4.8	4.9	4.8	4.9			4.8	4.7		5.3		5.2	
Dimensions	Unit	Height		mm		2,553												
		Width		mm		2,238												
		Depth		mm		6,880			7,960	9,040	10,120	11,200			12,280		13,360	
Weight	Unit			kg		5,670	6,142		6,816	7,297	7,779	8,260	8,581	9,920	10,323		10,805	
	Operation weight			kg		6,065	6,748	6,763	7,523	8,014	8,506	9,002	9,333	11,146	11,564	11,579	12,076	12,086
Air heat exchanger	Type					Microchannel												
Compressor	Type					Screw compressor												
	Quantity					2												
Fan	Type					Direct propeller												
	Quantity					12			14	16	18	20			22		24	
	Air flow rate	Cooling	Nom.	l/s		76,480			89,230	101,980	114,720	127,460			140,210		152,960	
Sound power level	Cooling	Nom.		dBA		100	99	100	101		102	104	105	106	104	105	106	107
Sound pressure level	Cooling	Nom.		dBA		79	78	79			80	81	82	83	81	82	83	84
Operation range	Air side	Cooling	Min.~Max.	°CDB		5 ~46												
Refrigerant	Type/GWP					R-134a/1,430												
	Charge			kg		115	125	140	150	160	170	185	195	215	230	245	260	270
	Circuits	Quantity				2												
Piping connections	Evaporator water inlet/outlet (OD)					168.3mm	219.1mm							273mm				
Unit	Starting current	Max		A		0												
	Running current	Cooling	Nom.	A		488.5	536.5	610.2	645.8	674.8	710.6	767.8	837.3	899.1	919.5	1,011	1,088	1,193
		Max		A		668		751	817	884	930	948	1,120	1,200	1,227	1,340	1,475	1,608
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400												

Inverter screw with SILVER efficiency. Standard sound.

- Environmentally conscious HFC134a – the most thermodynamically efficient refrigerant for air cooled applications
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,950 kW
- New single screw compressor geometry allowing performance optimization
- Refrigerant cooled inverter mounted on compressor all across the range
- Premium energy efficiency both at full and part load conditions
- Best capacity with smallest footprint
- Microchannel coils
- Unique fully integrated active harmonic filtration solution
- Performance monitoring
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions

More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZSSD



MicroTech 4

EWAD_H_S-TZ-D

EWAD-TZSSD					285	325	380	430	495	520	535	555	585	595	645	650	705	760
SEER					5.551	5.737	5.636	5.741	5.434	5.281	5.659	5.237	5.099	5.556	5.291	5.535	5.2	5.547
Cooling capacity	Nom.			kW	283.6	327.3	360.3	426.8	490.9	522.4	530.6	555.8	586.7	590	646.3	642.1	706.1	760.3
Power input	Cooling	Nom.		kW	84.44	98.36	112.8	131	151.7	162.1	161	177.6	194.1	188.4	202.9	218.2	235.4	225.2
Capacity control	Method				Stepless													
	Minimum capacity			%	22	19	17	22	23	11	22	10		19	10	17	10	13
EER					3.4	3.3	3.2	3.3	3.2		3.3	3.1	3	3.1	3.2	2.9	3	3.4
IPLV					5.7	5.8	5.7	6	5.8	5.4	6	5.3	5.2	5.8	5.4	5.6	5.3	6
Dimensions	Unit	Height		mm	2,553													
		Width		mm	2,238													
		Depth		mm	3,640	4,720				5,800					6,880	5,800	6,880	7,960
Weight	Unit			kg	3,084	3,604		3,968	4,032	4,693	4,513	4,693		4,513	5,177	4,513	5,177	6,151
	Operation weight			kg	3,164	3,697	3,702	4,070.7	4,155.1	5,033	4,646.1	5,038	5,043	4,651.1	5,522	4,661.1	5,527	6,536
Air heat exchanger	Type				Microchannel													
Compressor	Type				Screw compressor													
	Quantity				1					2	1	2		1	2	1	2	
Fan	Type				Direct propeller													
	Quantity				6	8				10					12	10	12	14
	Air flow rate	Cooling	Nom.	l/s	38,240	50,990				63,730					76,480	63,730	76,480	89,230
Sound power level	Cooling	Nom.		dBA	98		100	98	97	99	98	99	101	98	101		103	99
Sound pressure level	Cooling	Nom.		dBA	78		80	77		79	77	79	80	78	80		82	78
Operation range	Air side	Cooling	Min.~Max.	°CDB	5 ~46					-20 ~46	5 ~46	-20 ~46		5 ~46	-20 ~46	5 ~46	-20 ~46	
Refrigerant	Type/GWP				R-134a/1,430													
	Charge			kg	40	45	50	60	65	70	75		80		90		95	105
	Circuits	Quantity			1					2	1	2		1	2	1	2	
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm			139.7mm		168.3mm	139.7mm	168.3mm		139.7mm	168.3mm	139.7mm	168.3mm	
Unit	Starting current	Max		A	0													
	Running current	Cooling	Nom.	A	174.3	202.4	227.4	249.9	281.8	332.1	300.1	359.1	387.7	340.8	407	384.9	451.6	442.9
		Max		A	231	272	294	357	372	421	411	450	481	467	523	474	566	610
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400													

EWAD-TZSSD					835	960	C10	H10	H11	H12	H13	H14	H15	H16	H17	H18	H19
SEER					5.714	5.615	5.536	5.55	5.562	5.714	5.673	5.529	5.707	5.633	5.608	5.527	5.445
Cooling capacity	Nom.			kW	837.7	960.2	1,017	1,064	1,168	1,281	1,372	1,482	1,562	1,665	1,787	1,876	1,954
Power input	Cooling	Nom.		kW	258.7	301.2	332.2	351.6	384.5	412.6	451.9	500.2	485.4	542.2	589.4	654.5	725.7
Capacity control	Method				Stepless												
	Minimum capacity			%	11	12	11		10				14	13	12	11	10
EER					3.2		3.1	3		3.1	3		3.2	3.1	3	2.9	2.7
IPLV					5.8	5.7	5.6			5.7		5.6	6.1	6	5.9	5.8	5.7
Dimensions	Unit	Height		mm	2,553												
		Width		mm	2,238												
		Depth		mm	7,960				9,040	11,200	12,280				13,360		
Weight	Unit			kg	6,151	6,623		6,816	7,297	8,260	8,742	9,920	10,323		10,805		
	Operation weight			kg	6,546	7,239	7,244	7,518	8,014	8,992	9,489	11,136	11,549	11,564	12,066	12,076	12,086
Air heat exchanger	Type				Microchannel												
Compressor	Type				Screw compressor												
	Quantity				2												
Fan	Type				Direct propeller												
	Quantity				14				16	20	22				24		
	Air flow rate	Cooling	Nom.	l/s	89,230				101,908	127,460	140,210				152,960		
Sound power level	Cooling	Nom.		dBA	100			101		102	104	105	103	104	105	106	107
Sound pressure level	Cooling	Nom.		dBA	79	78	79			80	81	82	80	81	82	83	84
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46												
Refrigerant	Type/GWP				R-134a/1,430												
	Charge			kg	115	135	140	145	160	175	190	205	215	230	250	260	270
	Circuits	Quantity			2												
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm	219.1mm						273mm					
Unit	Starting current	Max		A	0												
	Running current	Cooling	Nom.	A	489.7	555	601.4	630.5	683.6	733.8	796.2	871.1	848	931.7	1,005	1,101	1,206
		Max		A	679	706	761	789	884	948		1,156	1,124	1,227	1,351	1,475	1,608
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400												

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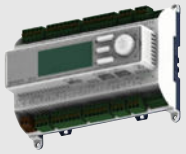
- Microchannel coils
- Unique fully integrated active harmonic filtration solution
- Performance monitoring
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions

More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZXSD



MicroTech 4

EWAD_H_S-TZ-D

					EWAD-TZXSD	295	345	380	440	515	525	565	565	610	635	670	705	725	760
SEER						5.605	6.007	5.961	6.165	6.019	6.002	6.251	5.937	5.999	6.146	5.891	5.552	5.94	5.308
Cooling capacity	Nom.			kW		294.4	344.4	378	434.8	507.9	524.3	560.5	565.9	610.7	629	668.1	701	724	757.3
Power input	Cooling	Nom.		kW		89.4	102.5	116.8	120.6	150	146.6	162	163.3	177	190.8	201.3	207.2	219.5	233.1
Capacity control	Method					Stepless													
	Minimum capacity			%		22	19	17	28	23	13	22	12	11	19	10	30	10	28
EER						3.3	3.4	3.2	3.6	3.4	3.6	3.5			3.3		3.4	3.3	3.2
IPLV						6	6.3	6.1	6.6	6.5	6.3	6.7	6.1	6.2	6.5	6.1	5.7	6.2	5.6
Dimensions	Unit	Height		mm		2,553													
		Width		mm		2,238													
		Depth		mm		3,640	4,720		5,800		6,880			7,960	6,880	7,960	6,880	7,960	6,880
Weight	Unit			kg		3,255	3,775		4,569		5,348	5,136	5,348	5,829	5,136	5,829	5,805	5,946	5,805
	Operation weight			kg		3,335	3,868	3,873	4,687.1	4,697.1	5,673	5,287.3	5,683	6,169	5,297.3	6,174	5,976.3	6,344	5,986.3
Air heat exchanger	Type					Microchannel													
Compressor	Type					Screw compressor													
	Quantity					1					2	1	2	1	2	1	2	1	
Fan	Type					Direct propeller													
	Quantity					6	8		10		12			14	12	14	12	14	12
	Air flow rate	Cooling	Nom.	l/s		33,930	45,240		56,540		67,860	68,280	67,860	79,170	68,280	79,170	68,280	79,170	68,280
Sound power level	Cooling	Nom.		dBA		97	98	103	96	97	100			101	105	101	99	102	100
Sound pressure level	Cooling	Nom.		dBA		80	82	83	75	76	79	76	80	81	77	83	78	84	79
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~46													
Refrigerant	Type/GWP					R-134a/1,430													
	Charge			kg		40	45	50	60	70		75	80	85		90	95	100	105
	Circuits	Quantity				1					2	1	2		1	2	1	2	1
Piping connections	Evaporator water inlet/outlet (OD)					88.9mm			139.7mm		168.3mm	139.7mm	168.3mm		139.7mm	168.3mm	139.7mm	168.3mm	139.7mm
Unit	Starting current	Max		A		0													
	Running current	Cooling	Nom.	A		188.5	216.8	235.8	247.6	291.7	319.1	316.3	348.1	378.7	359.4	420.8	383.5	443	421.6
		Max		A		224	261	289	314	342	389	404	429	457	452	498	520	535	568
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400													

					EWAD-TZXSD	805	880	950	C10	H10	H11	C12	H12	H13	H14	H15	H16	H17
SEER						6.088	6.355	6.192	6.365	6.186	6.313	6.217	6.126	6.14	5.896	5.807	5.723	5.629
Cooling capacity	Nom.			kW		802.3	877.7	949.4	993.6	1,062	1,129	1,194	1,286	1,359	1,454	1,567	1,671	1,770
Power input	Cooling	Nom.		kW		233.2	250.8	282.1	292.3	325.1	336.7	370.1	402.4	425.5	419.5	472.2	528.4	590.4
Capacity control	Method					Stepless												
	Minimum capacity			%		10	14	13	12	11		10		15	14	13	12	
EER						3.4	3.5	3.4		3.3	3.4	3.2		3.5	3.3	3.2	3	
IPLV						6.4	6.6	6.4	6.5	6.4	6.5	6.4	6.3	6.1	6.3	6.2	6	
Dimensions	Unit	Height		mm		2,553												
		Width		mm		2,238												
		Depth		mm		9,040			10,120		11,200			12,280	13,360			
Weight	Unit			kg		6,904	7,160		7,642		8,316			9,655	10,805			
	Operation weight			kg		7,495	7,761	7,771	8,258	8,268	9,028	9,038	9,053	10,856	12,016	12,031	12,046	12,061
Air heat exchanger	Type					Microchannel												
Compressor	Type					Screw compressor												
	Quantity					2												
Fan	Type					Direct propeller												
	Quantity					16			18		20			22	24			
	Air flow rate	Cooling	Nom.	l/s		90,480			101,780		113,080			124,390	135,700			
Sound power level	Cooling	Nom.		dBA		105	98	100	101	102	103	105	108	106	102	103	104	105
Sound pressure level	Cooling	Nom.		dBA		84	76	77		78				79		80	81	
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~46												
Refrigerant	Type/GWP					R-134a/1,430												
	Charge			kg		110	120	130	135	145	155	165	180	190	200	215	230	245
	Circuits	Quantity				2												
Piping connections	Evaporator water inlet/outlet (OD)					219.1mm								273mm				
Unit	Starting current	Max		A		0												
	Running current	Cooling	Nom.	A		470.4	496.7	543.6	565	613.9	637.5	687	737.2	777.9	774.1	852	934.8	1,026
		Max		A		573	626	683	720	782	744	803	851	899	997	1,103	1,217	1,330
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400												

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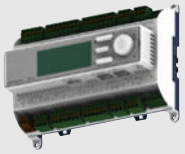
More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZXRD



MicroTech 4

EWAD_H_S-TZ-D

EWAD-TZXRD					295	345	380	440	515	525	565	565	610	635	670	705	725	760
SEER					5.507	5.938	5.866	6.042	5.901	6.037	6.159	5.944	6.029	6.039	5.922	5.418	5.964	5.358
Cooling capacity	Nom.			kW	290.7	340.9	373.4	431	502.3	518.8	555.4	559.5	604.2	622.3	660.4	691.7	714.9	745.6
Power input	Cooling	Nom.		kW	89.12	101.1	116.3	118.5	149.8	144.1	160.2	161.7	174.5	190.5	200.1	209.3	219.2	236.6
Capacity control	Method				Stepless													
	Minimum capacity			%	22	19	17	28	23	13	22	12	11	19	10	30	10	28
EER					3.3	3.4	3.2	3.6	3.4	3.6	3.5			3.3				3.2
IPLV					6.1	6.3	6.2	6.5		6.3	6.7	6.2		6.6	6.1	5.8	6.2	5.8
Dimensions	Unit	Height		mm	2,553													
		Width		mm	2,238													
		Depth		mm	3,640	4,720		5,800		6,880			7,960	6,880	7,960	6,880	7,960	6,880
Weight	Unit			kg	3,375	3,895		4,689		5,468	5,256	5,468	5,949	5,256	5,949	5,925	6,066	5,925
	Operation weight			kg	3,455	3,988	3,993	4,807.1	4,817.1	5,793	5,407.3	5,803	6,289	5,417.3	6,294	6,096.3	6,464	6,106.3
Air heat exchanger	Type				Microchannel													
Compressor	Type				Screw compressor													
	Quantity				1					2	1	2		1	2	1	2	1
Fan	Type				Direct propeller													
	Quantity				6	8		10		12			14	12	14	12	14	12
	Air flow rate	Cooling	Nom.	l/s	28,330	37,770		47,210		56,660			66,100	56,660	66,100	56,660	66,100	56,660
Sound power level	Cooling	Nom.		dBA	87	88	92	88		90			91	93	91	90	92	90
Sound pressure level	Cooling	Nom.		dBA	68		71	67	68	69				72	69	68	70	69
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46													
Refrigerant	Type/GWP				R-134a/1,430													
	Charge			kg	40	45	50	60	70		75	80	85		90	95	100	105
	Circuits	Quantity			1					2	1	2		1	2	1	2	1
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm			139.7mm		168.3mm	139.7mm	168.3mm		139.7mm	168.3mm	139.7mm	168.3mm	139.7mm
Unit	Starting current	Max		A	0													
	Running current	Cooling	Nom.	A	193.6	221.9	241.5	252.5	299.5	326	323.5	356.7	387.5	368.6	431.6	396.2	454.1	436.4
		Max		A	224	261	289	314	342	389	404	429	457	452	498	520	535	568
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400													

EWAD-TZXRD					805	880	950	C10	H10	H11	C12	H12	H13	H14	H15	H16	H17
SEER					6.169	6.363	6.179	6.354	6.217	6.34	6.191	6.12	6.181	5.883	5.764	5.704	5.537
Cooling capacity	Nom.			kW	792.9	867.7	937.7	982.6	1,049	1,117	1,179	1,268	1,341	1,434	1,543	1,641	1,729
Power input	Cooling	Nom.		kW	231.9	250.8	283.9	292.8	327.6	338	373.2	408	430.2	424.5	480.3	539.4	603.9
Capacity control	Method				Stepless												
	Minimum capacity			%	10	14	13	12	11		10			15	14	13	12
EER					3.4	3.5	3.3	3.4	3.2	3.3	3.2		3.1	3.4	3.2	3	2.9
IPLV					6.4	6.6	6.4	6.6	6.4	6.6	6.4			6.1	5.9	6.2	5.8
Dimensions	Unit	Height		mm	2,553												
		Width		mm	2,238												
		Depth		mm	9,040			10,120		11,200			12,280	13,360			
Weight	Unit			kg	7,024	7,280		7,762		8,436			9,775	10,925			
	Operation weight			kg	7,615	7,881	7,891	8,378	8,388	9,148	9,158	9,173	10,976	12,136	12,151	12,166	12,181
Air heat exchanger	Type				Microchannel												
Compressor	Type				Screw compressor												
	Quantity				2												
Fan	Type				Direct propeller												
	Quantity				16			18		20			22	24			
	Air flow rate	Cooling	Nom.	l/s	75,540			84,980		94,420			103,870	113,320			
Sound power level	Cooling	Nom.		dBA	94	90	91	92		93	94	96	95	93		94	
Sound pressure level	Cooling	Nom.		dBA	72	68	69		70		72	74	72	69	70		71
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46												
Refrigerant	Type/GWP				R-134a/1,430												
	Charge			kg	110	120	130	135	145	155	165	180	190	200	215	230	245
	Circuits	Quantity			2												
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm								273mm				
Unit	Starting current	Max		A	0												
	Running current	Cooling	Nom.	A	481.4	509.6	559.3	580.3	632.1	655.3	707.6	761.7	802.5	800.7	883.2	970.5	1,066
		Max		A	573	626	683	720	782	744	803	851	899	997	1,103	1,217	1,330
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400												

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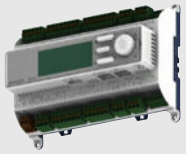
EWAD-TZPSD



MicroTech 4

EWAD_H_S-TZ-D

					EWAD-TZPSD	285	330	370	405	450	490	530	575	615	675	735
SEER						6.29	6.465	6.389	6.687	6.64	6.567	6.391	6.301	6.28	6.161	6.216
Cooling capacity	Nom.			kW		285.8	330.4	367.9	401.5	447	486.1	529.6	571.8	617.7	676.1	733.5
Power input	Cooling	Nom.		kW		77.75	92.02	106	105.2	117.3	130.3	143.1	158.6	171.1	194	210.7
Capacity control	Method					Stepless										
	Minimum capacity			%		23	20	18	30	28	25	13	12	11	10	
EER						3.7	3.6	3.5	3.8		3.7		3.6		3.5	
IPLV						6.7		6.6	7.3	7.6	7.5	6.7	6.6	6.5	6.4	6.5
Dimensions	Unit	Height		mm		2,553										
		Width		mm		2,238										
		Depth		mm		4,720	5,800		6,880			7,960		9,040		
Weight	Unit			kg		3,775	4,256		5,050	5,136		5,829		6,311		6,427
	Operation weight			kg		3,863	4,349	4,354	5,163.1	5,272.3	5,277.3	6,159	6,164	6,651	6,661	6,825
Air heat exchanger	Type					Microchannel										
Compressor	Type					Screw compressor										
	Quantity					1						2				
Fan	Type					Direct propeller										
	Quantity					8	10		12			14		16		
	Air flow rate	Cooling	Nom.	l/s		45,240	56,540		67,850			79,170		90,480		
Sound power level	Cooling	Nom.		dBA		97	98	100	95	96	98	100		101		102
Sound pressure level	Cooling	Nom.		dBA		78	81	82	74	75		79	80	81	83	
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~46										
Refrigerant	Type/GWP					R-134a/1,430										
	Charge			kg		40	45	50	55	60	65	75	80	85	95	100
	Circuits	Quantity				1						2				
Piping connections	Evaporator water inlet/outlet (OD)					88.9mm			139.7mm			168.3mm				
Unit	Starting current	Max		A		0										
	Running current	Cooling	Nom.	A		174	204	229	233	249	269	318	345	374	414	442
		Max		A		220	258	285	293	352	404	399	429	468	508	535
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400										

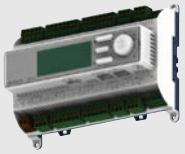
					EWAD-TZPSD	810	890	960	C10	H10	H11	C12	H12	H13	H14	H15
SEER						6.48	6.725	6.602	6.648	6.483	6.529	6.398	6.263	6.31	5.978	5.928
Cooling capacity	Nom.			kW		809.8	885.5	958.4	1,003	1,072	1,137	1,203	1,298	1,372	1,455	1,568
Power input	Cooling	Nom.		kW		226.1	242.4	271.7	281.9	312.5	325.9	357.4	387.4	409.1	409.5	462.1
Capacity control	Method					Stepless										
	Minimum capacity			%		10	14	13	12	11		10			15	14
EER						3.6	3.7	3.5	3.6	3.4	3.5	3.4			3.6	3.4
IPLV						6.8	7	6.8	6.5	6.7	6.9	6.7	6.6		6.2	6.5
Dimensions	Unit	Height		mm		2,553										
		Width		mm		2,238										
		Depth		mm		10,120			11,200		12,280			13,360		
Weight	Unit			kg		7,385	7,642		8,123		8,798		9,655	10,136	10,805	
	Operation weight			kg		7,976	8,243	8,253	8,744	8,754	9,515	9,520	10,846	11,337	12,021	12,036
Air heat exchanger	Type					Microchannel										
Compressor	Type					Screw compressor										
	Quantity					2										
Fan	Type					Direct propeller										
	Quantity					18			20		22			24		
	Air flow rate	Cooling	Nom.	l/s		101,780			113,080		140,200			152,940		
Sound power level	Cooling	Nom.		dBA		105	99	100	101	102	103	105	108	106	102	103
Sound pressure level	Cooling	Nom.		dBA		84	76		77			78		79		80
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~46										
Refrigerant	Type/GWP					R-134a/1,430										
	Charge			kg		110	120	130	140	150	160	165	180	190	205	220
	Circuits	Quantity				2										
Piping connections	Evaporator water inlet/outlet (OD)					219.1mm							273mm			
Unit	Starting current	Max		A		0										
	Running current	Cooling	Nom.	A		466	490	534	555	601	627	674	721	759		837
		Max		A		573	616	672	709	761	796	845	893	951	1,039	1,135
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400										

Inverter screw with PLATINUM efficiency. Reduced sound.

- Environmentally conscious HFC134a – the most thermodynamically efficient refrigerant for air cooled applications
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,950 kW
- New single screw compressor geometry allowing performance optimization
- Refrigerant cooled inverter mounted on compressor all across the range
- Premium energy efficiency both at full and part load conditions
- Best capacity with smallest footprint
- Microchannel coils
- Unique fully integrated active harmonic filtration solution
- Performance monitoring
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions

More details and final information can be found by scanning or clicking the QR codes.

EWAD-TZPRD



MicroTech 4

EWAD_H_S-TZ-D

EWAD-TZPRD					285	330	370	405	450	490	530	575	615	675	735
SEER					6.232	6.448	6.358	6.622	6.542	6.467	6.421	6.322	6.325	6.183	6.254
Cooling capacity	Nom.			kW	283.7	328.4	365	398.8	443.9	482.4	524.8	566.5	612.5	669.9	726
Power input	Cooling	Nom.		kW	75.13	88.51	103.1	101	113.6	127.2	139	155.2	166.8	190.7	208.2
Capacity control	Method				Stepless										
	Minimum capacity			%	23	20	18	30	28	25	13	12	11	10	
EER					3.8	3.7	3.5	4	3.9	3.8		3.7		3.5	
IPLV					6.7	6.8	6.6	7.2	7.5	7.4	6.7	6.6	6.5	6.4	6.5
Dimensions	Unit	Height		mm	2,553										
		Width		mm	2,238										
		Depth		mm	4,720	5,800		6,880			7,960		9,040		
Weight	Unit			kg	3,895	4,376		5,170	5,256		5,949		6,431		6,547
	Operation weight			kg	3,983	4,469	4,474	5,283.1	5,392.3	5,397.3	6,279	6,284	6,771	6,781	6,945
Air heat exchanger	Type				Microchannel										
Compressor	Type				Screw compressor										
	Quantity				1						2				
Fan	Type				Direct propeller										
	Quantity				8	10		12			14		16		
	Air flow rate	Cooling	Nom.	l/s	37,770	47,210		56,660			66,100		75,540		
Sound power level	Cooling	Nom.		dBA	88	89	90	88		89	91				92
Sound pressure level	Cooling	Nom.		dBA	68		69	67		68	69				70
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46										
Refrigerant	Type/GWP				R-134a/1,430										
	Charge			kg	40	45	50	55	60	65	75	80	85	95	100
	Circuits	Quantity			1						2				
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm			139.7mm			168.3mm				
Unit	Starting current	Max		A	0										
	Running current	Cooling	Nom.	A	176.6	207.4	232.7	236.3	253.2	273.8	324.3	352.5	381.3	422.7	448
		Max		A	220	258	285	293	352	404	399	429	468	508	535
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400										

EWAD-TZPRD					810	890	960	C10	H10	H11	C12	H12	H13	H14	H15
SEER					6.51	6.771	6.598	6.661	6.515	6.683	6.555	6.433	6.432	6.055	5.932
Cooling capacity	Nom.			kW	801.7	876.7	948.2	993	1,061	1,126	1,190	1,282	1,356	1,435	1,544
Power input	Cooling	Nom.		kW	222.8	240.2	271.1	280	312.2	324.7	357.7	389.9	410.4	413.9	469.4
Capacity control	Method				Stepless										
	Minimum capacity			%	10	14	13	12	11		10			15	14
EER					3.6		3.5		3.4	3.5	3.3			3.5	3.3
IPLV					6.8	7.1	6.9		6.7	7	6.7		6.6	6.3	6.1
Dimensions	Unit	Height		mm	2,553										
		Width		mm	2,238										
		Depth		mm	10,120			11,200			12,280			13,360	
Weight	Unit			kg	7,505	7,762		8,243		8,918		9,775	10,256	10,925	
	Operation weight			kg	8,096	8,363	8,373	8,864	8,874	9,635	9,640	10,966	11,457	12,141	12,156
Air heat exchanger	Type				Microchannel										
Compressor	Type				Screw compressor										
	Quantity				2										
Fan	Type				Direct propeller										
	Quantity				18			20		22			24		
	Air flow rate	Cooling	Nom.	l/s	84,980			94,420		103,870			113,320		
Sound power level	Cooling	Nom.		dBA	94	90	91	92		93	95	96	95	93	
Sound pressure level	Cooling	Nom.		dBA	72	68	69		70		72	74	72	69	70
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46										
Refrigerant	Type/GWP				R-134a/1,430										
	Charge			kg	110	120	130	140	150	160	165	180	190	205	220
	Circuits	Quantity			2										
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm							273mm			
Unit	Starting current	Max		A	0										
	Running current	Cooling	Nom.	A	475.1	501.2	547.7	568.5	616.6	643	692.2	742.3	780.3	784.9	867
		Max		A	573	616	672	709	761	796	845	893	951	1,039	1,135
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400										

Inverter screw cooling only with BLU efficiency. Standard sound.

- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
- New single screw compressor geometry allowing performance optimization
- Refrigerant cooled inverter mounted on compressor all across the range
- Premium energy efficiency both at full and part load conditions
- Best capacity with smallest footprint
- Microchannel coils
- Unique fully integrated active harmonic filtration solution
- Performance monitoring
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions

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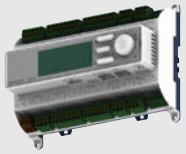
EWAH-TZBSD



MicroTech 4

EWAD_H_S-TZ-D

EWAH-TZBSD					235	255	300	350	400	400	420	425	455	485	505	545	545	590
SEER					4.491	4.373	4.355	4.666	4.428	4.588	4.601	4.571	4.593	4.603	4.565	4.557	4.595	4.568
Cooling capacity	Nom.			kW	235.4	255.6	301.6	359.8	398.5		417.2	425.2	448.8	487.5	500	537.5		576.1
Power input	Cooling	Nom.		kW	79.49	92.42	118.2	117.9	140.7		151.4	135.6	176.2	162	204.3	202.2		201.2
Capacity control	Method				Stepless													
	Minimum capacity			%	19	17	14	23	12	20	19	11	17	10	15		10	
EER					2.961	2.766	2.552	3.052	2.832		2.755	3.137	2.547	3.009	2.447	2.658		2.864
IPLV					4.484	4.419	4.369	4.683	4.411	4.584	4.558	4.407	4.537	4.451	4.523	4.492	4.462	4.402
Dimensions	Unit	Height		mm	2,553													
		Width		mm	2,238													
		Depth		mm	2,560			3,640	4,720		3,640	4,720	3,640	4,720	3,640	4,720		5,800
Weight	Unit			kg	2,559		2,589	3,486	3,751		3,486	3,751	3,486	3,941	3,871	4,353	3,971	4,422
	Operation weight			kg	2,589	2,594	2,629	3,536	3,806		3,541	3,811	3,546	4,006	3,941	4,428	4,046	4,502
Air heat exchanger	Type				Microchannel													
Compressor	Type				Screw compressor													
	Quantity				1				2		1	2	1	2	1		2	
Fan	Type				Direct propeller													
	Quantity				4			6	8		6	8	6	8	6	8		10
	Air flow rate	Cooling	Nom.	l/s	25,490	25,493		38,240	50,987		38,240	50,987	38,240	50,987	38,240	50,990	50,987	63,733
Sound power level	Cooling	Nom.		dBA	97.5	99.8	101.2	96.7	97.5	97.6	97.7	100.4	100.3	100.6	101.9	103	102.8	103.9
Sound pressure level	Cooling	Nom.		dBA	78.41	80.65	82.11	76.96	77.19	77.88	78	80.12	80.61	80.29	82.2	82.7	82.53	83.21
Operation range	Air side	Cooling	Min.~Max.	°CDB	5 ~46													
Refrigerant	Type/GWP				R-1234(ze)/7													
	Charge			kg	30	35	40	50	55			60		65	70	75		80
	Circuits	Quantity			1				2	1		2	1	2	1		2	
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm			139.7mm						168.3mm	139.7mm		168.3mm	
Unit	Starting current	Max		A	0													
	Running current	Cooling	Nom.	A	159	181	219	221	255		271	274	308	321	351			391
		Max		A	204	227	268	291	334		355	358	396	406	435	463	452	494
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400													

EWAH-TZBSD					635	745	785	845	900	985	C11	H11	C13	H13	H14	C15	H15
SEER					4.612	4.792	4.758	4.774	4.766	4.72	4.71	4.65	5.062	5.043	5.041	4.983	4.984
Cooling capacity	Nom.			kW	633.2	742.7	786.2	842.9	899	983.8	1,104	1,177	1,315	1,386	1,474	1,535	1,586
Power input	Cooling	Nom.		kW	226.9	238.6	261.4	287.6	302.2	350.9	391.1	436	423.5	471	508.7	563.3	580.5
Capacity control	Method				Stepless												
	Minimum capacity			%	10	12	11	10					12	11	10		
EER					2.791	3.113	3.007	2.931	2.974	2.804	2.823	2.699	3.105	2.943	2.898	2.725	2.732
IPLV					4.452	4.741	4.716	4.722	4.692	4.624	4.623	4.543	5.285	5.263	5.232	5.165	5.15
Dimensions	Unit	Height		mm	2,553												
		Width		mm	2,238												
		Depth		mm	5,800	6,880			7,960		9,040		10,120		11,200		12,280
Weight	Unit			kg	4,452	5,370		5,614	6,096	6,185	7,352		8,279		8,760		9,242
	Operation weight			kg	4,537	5,470	5,480	5,729	6,221	6,320	7,507	7,517	8,459	8,469	8,965	8,975	9,462
Air heat exchanger	Type				Microchannel												
Compressor	Type				Screw compressor												
	Quantity				2												
Fan	Type				Direct propeller												
	Quantity				10	12			14		16		18		20		22
	Air flow rate	Cooling	Nom.	l/s	63,733	76,480			89,233		101,980		114,720		127,467		140,213
Sound power level	Cooling	Nom.		dBA	104.6	99.7	100.3	100.6	101.5	103.2	105.1	106.9	104.3	105.2	106.1	107	107.5
Sound pressure level	Cooling	Nom.		dBA	83.83	78.53	79.14	79.46	79.93	81.67	83.17	84.97	82.09	82.94	83.56	84.45	84.63
Operation range	Air side	Cooling	Min.~Max.	°CDB	5 ~46												
Refrigerant	Type/GWP				R-1234(ze)/7												
	Charge			kg	85	100	110	115	125	135	155	165	180	190	205	215	220
	Circuits	Quantity			2												
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm			219.1mm			273mm						
Unit	Starting current	Max		A	0												
	Running current	Cooling	Nom.	A	425	445	480	519	544	617	682	748	733	804	862	943	971
		Max		A	536	581	624	667	719	801	889	927	1,015	1,106	1,383	1,330	1,400
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400												

Inverter screw with SILVER efficiency. Standard sound.

- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
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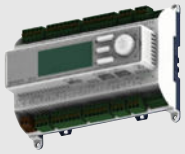
EWAH-TZSSD



MicroTech 4

EWAD_H_S-TZ-D

EWAH-TZSSD					240	265	295	370	400	415	450	470	490	535	540	595	630	690
SEER					5.606	5.489	5.354	5.624	5.379	5.498	5.506	5.211	5.512	5.252	5.592	5.291	5.221	5.538
Cooling capacity	Nom.			kW	242.1	264.9	296.5	366.7	402.3	408.8	447.1	468.8	485.8	508.7	533.5	592.4	626.5	696.4
Power input	Cooling	Nom.		kW	75.33	86.23	98.15	112.9	121.5	133.5	144.5	149.2	166.9	162.3	183.6	188.6	206.3	214.1
Capacity control	Method				Stepless													
	Minimum capacity			%	19	17	15	23	12	20	19	10	17	10	15	10		13
EER					3.214	3.072	3.021	3.248	3.312	3.062	3.094	3.143	2.911	3.134	2.906	3.141	3.037	3.252
IPLV					5.624	5.53	5.387	5.92	5.48	5.755	5.738	5.317	5.593	5.351	5.607	5.392	5.316	5.64
Dimensions	Unit	Height		mm	2,553													
		Width		mm	2,238													
		Depth		mm	3,640			4,720	5,800	4,720		5,800	4,720	5,800		6,880		
Weight	Unit			kg	3,041		3,071	3,968	4,233	3,968	4,032	4,233	4,032	4,422	4,834	4,934		5,370
	Operation weight			kg	3,076		3,111	4,018	4,288	4,023	4,092	4,298	4,097	4,492	4,909	5,014	5,019	5,465
Air heat exchanger	Type				Microchannel													
Compressor	Type				Screw compressor													
	Quantity				1				2	1		2	1	2	1	2		
Fan	Type				Direct propeller													
	Quantity				6			8	10	8		10	8	10		12		
	Air flow rate	Cooling	Nom.	l/s	38,240			50,990	63,733	50,990		63,733	50,990	63,733		76,480		
Sound power level	Cooling	Nom.		dBA	97.9	100	102.3	97.1	97.8	98	98.1	100.7	100.5	101.3	102.2	104.3	105.1	99
Sound pressure level	Cooling	Nom.		dBA	78.18	80.27	82.57	76.87	77.09	77.71	77.82	79.96	80.28	80.56	81.47	83.15	83.92	77.8
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46													
Refrigerant	Type/GWP				R-1234(ze)/7													
	Charge			kg	35		40	50	55		60	65		70	75	80	85	95
	Circuits	Quantity			1				2	1		2	1	2	1	2		
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm			139.7mm						168.3mm	139.7mm	168.3mm		
Unit	Starting current	Max		A	0													
	Running current	Cooling	Nom.	A	158.4	177.6	198.4	226.8	259.9	254	271.3	309	304.8	332.2	334.3	381.9	412.4	425.7
		Max		A	214	237	259	302	345	344	365	405	406	428	455	495	526	538
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400													

EWAH-TZSSD					740	795	855	910	980	C10	C11	C12	H12	H13	C14	C15	H15
SEER					5.452	5.539	5.505	5.532		5.53	5.489	5.339	5.735	5.652	5.723	5.774	5.686
Cooling capacity	Nom.			kW	741.3	795.3	854.3	909.5	983.4	1,043	1,113	1,211	1,331	1,406	1,492	1,542	1,606
Power input	Cooling	Nom.		kW	236.7	254.1	278.9	294	322.6	341.1	365.2	416.6	409.9	455.3	495.6	512.4	566.3
Capacity control	Method				Stepless												
	Minimum capacity			%	11		10						12	11	10		
EER					3.132	3.13	3.063	3.094	3.048	3.058	3.046	2.906	3.248	3.088	3.01	3.009	2.836
IPLV					5.523	5.564	5.539	5.56	5.516	5.505	5.452	5.254	6.207	5.994	6.078	6.09	5.956
Dimensions	Unit	Height		mm	2,553												
		Width		mm	2,238												
		Depth		mm	6,880		7,960	9,040	10,120		11,200				12,280	13,360	
Weight	Unit			kg	5,370	5,852	6,096	6,577	7,059	7,629	8,315		8,760		9,242	9,723	
	Operation weight			kg	5,470	5,962	6,216	6,702	7,194	7,774	8,470	8,485	8,945	8,955	9,447	9,938	9,948
Air heat exchanger	Type				Microchannel												
Compressor	Type				Screw compressor												
	Quantity				2												
Fan	Type				Direct propeller												
	Quantity				12	14		16	18	20					22	24	
	Air flow rate	Cooling	Nom.	l/s	76,480	89,233		101,908	114,714	127,460					140,206	152,952	
Sound power level	Cooling	Nom.		dBA	99.7	100.5	100.8	101.6	103	104.1	104.8	107	104.4	105.2	106.2	107.1	107.5
Sound pressure level	Cooling	Nom.		dBA	78.52	78.95	79.25	79.73	80.8	81.53	82.27	84.42	81.86	82.7	83.33	83.98	84.4
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46												
Refrigerant	Type/GWP				R-1234(ze)/7												
	Charge			kg	100	110	120	125	135	145	155	170	185	195	205	215	225
	Circuits	Quantity			2												
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm		219.1mm				273mm						
Unit	Starting current	Max		A	0												
	Running current	Cooling	Nom.	A	456.1	483.2	520.7	547.3	594.5	627.5	665.5	741.8	732.3	799.8	862.2	893.4	973.3
		Max		A	581	634	677	729	802	852	891	948	1,025	1,117	1,393	1,351	1,410
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400												

Inverter screw with GOLD efficiency. Standard sound.

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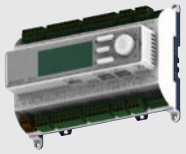
EWAH-TZXSD



MicroTech 4

EWAD_H_S-TZ-D

EWAH-TZXSD					220	230	275	300	350	400	465	470	515	540	545	600
SEER					5.528	5.478	5.899	5.78	6.259	6.127	5.999	6.336	6.198	5.64	6.108	6.04
Cooling capacity	Nom.			kW	219.8	323.4	275.1	299.3	348.7	397.5	471.7	466	504.2	534.5	543.9	602.4
Power input	Cooling	Nom.		kW	67.79	74.71	82.02	92.55	99.59	122.1	135.2	139.9	159.8	152.6	155.1	178.4
Capacity control	Method				Stepless											
	Minimum capacity			%	22	20	18	16	25	22	10	19	17	30	10	
EER					3.243	3.111	3.354	3.234	3.501	3.256	3.488	3.331	3.156	3.503	3.508	3.376
IPLV					6.035	5.988	6.156	6.085	6.684	6.588	6.223	6.632	6.422	5.95	6.381	6.28
Dimensions	Unit	Height		mm	2,553											
		Width		mm	2,238											
		Depth		mm	2,560		3,640		4,720		6,880	5,800			6,880	
Weight	Unit			kg	2,731		3,242		4,023		4,886	4,569		5,323	5,105	5,157
	Operation weight			kg	2,761		3,277	3,282	4,068	4,078	4,951	4,634	4,639	5,398	5,180	5,242
Air heat exchanger	Type				Microchannel											
Compressor	Type				Screw compressor											
	Quantity				1						2	1			2	
Fan	Type				Direct propeller											
	Quantity				4		6		8		12	10			12	
	Air flow rate	Cooling	Nom.	l/s	22,620		33,930		45,240		67,860	56,540			67,860	
Sound power level	Cooling	Nom.		dBA	97.3	97.5	100.2	100.8	97.3	99.8	100.6	104.5	101.7	98.8	100.9	105.5
Sound pressure level	Cooling	Nom.		dBA	78.13	78.36	80.42	81.11	77.01	79.55	79.43	83.77	80.97	78.1	79.75	84.34
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46											
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge			kg	30		35	40	45	55	65		70	75		85
	Circuits	Quantity			1						2	1			2	
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm				139.7mm						168.3mm	
Unit	Starting current	Max		A	0											
	Running current	Cooling	Nom.	A	145.1	157.4	175.8	194.2	211.3	243.1	299	276.8	306.6	296.2	334.4	375.7
		Max		A	172	183	214	236	269	310	364	357	394	414	406	448
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400											

EWAH-TZXSD					620	645	700	750	790	840	900	975	H10	H11	H12	H13
SEER					5.558	6.211	6.102	6.362	6.407	6.296	6.195	6.234	6.183	5.865	5.933	5.988
Cooling capacity	Nom.			kW	617	641.9	697.1	752.7	788.8	841.2	897.2	972.1	1,082	1,184	1,275	1,383
Power input	Cooling	Nom.		kW	191	186	209.1	219	225.9	249.4	273.7	299.9	326.1	346.2	380	415.3
Capacity control	Method				Stepless											
	Minimum capacity			%	25	14	13	12		11	10			14	13	12
EER					3.231	3.452	3.334	3.437	3.491	3.373	3.278	3.242	3.318	3.42	3.355	3.33
IPLV					5.741	6.446	6.347	6.608	6.64	6.479	6.36	6.383	6.42	6.367	6.514	6.481
Dimensions	Unit	Height		mm	2,553											
		Width		mm	2,238											
		Depth		mm	5,800	6,880		7,960	9,040			10,120	11,200		12,280	13,360
Weight	Unit			kg	5,323	5,414		6,151	6,633		6,722	7,203	8,091	8,760	9,242	9,723
	Operation weight			kg	5,408	5,504	5,509	6,256	6,743	6,748	6,847	7,338	8,241	8,925	9,417	9,913
Air heat exchanger	Type				Microchannel											
Compressor	Type				Screw compressor											
	Quantity				1	2										
Fan	Type				Direct propeller											
	Quantity				10	12		14	16			18	20		22	24
	Air flow rate	Cooling	Nom.	l/s	56,540	67,860		79,170	90,480			101,772	113,080		124,388	135,696
Sound power level	Cooling	Nom.		dBA	100.5	98.1	100.1	100.9	101.5	102.8	105.1	106.8	104.7	102.7	103.6	104.5
Sound pressure level	Cooling	Nom.		dBA	79.81	76.91	78.9	79.3	79.61	80.92	83.2	84.61	82.17	80.14	80.78	81.43
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46											
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge			kg	85	90	95	105	110	115	125	135	150	165	175	190
	Circuits	Quantity			1	2										
Piping connections	Evaporator water inlet/outlet (OD)				139.7mm	168.3mm		219.1mm					273mm			
Unit	Starting current	Max		A	0											
	Running current	Cooling	Nom.	A	353.5	388.6	428.2	445.5	457.9	493.4	530.6	575.7	623.9	651.9	708.1	768.7
		Max		A	491	472	517	527	579	618	655	702	787	902	992	1,090
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400											

Inverter screw with GOLD efficiency. Reduced sound.

- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
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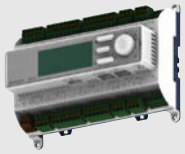
- Best capacity with smallest footprint
- Microchannel coils
- Unique fully integrated active harmonic filtration solution
- Performance monitoring
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions

More details and final information can be found by scanning or clicking the QR codes.

EWAH-TZXRD



MicroTech 4

EWAD_H_S-TZ-D

EWAH-TZXRD					220	230	275	300	350	400	465	470	515	540	545	600
SEER					5.404	5.363	5.942	5.775	6.188	6.026	6.02	6.284	6.103	5.588	6.133	6.042
Cooling capacity	Nom.			kW	216.3	228.3	271.7	295.3	345.2	393.5	467.2	461.6	497.8	528	537.6	594.3
Power input	Cooling	Nom.		kW	68.5	75.92	81.59	92.45	98.6	122.2	132.7	139.1	159.9	153.8	153.6	178.3
Capacity control	Method				Stepless											
	Minimum capacity			%	22	20	18	16	25	22	10	19	17	30	10	
EER					3.157	3.007	3.33	3.194	3.501	3.219	3.52	3.319	3.112	3.434	3.494	3.334
IPLV					6.058	6.007	6.144	6.065	6.641	6.619	6.273	6.667	6.49	5.796	6.414	6.301
Dimensions	Unit	Height		mm	2,553											
		Width		mm	2,238											
		Depth		mm	2,680		3,760		4,840		7,000	5,920			7,000	
Weight	Unit			kg	2,851		3,362		4,143		5,006	4,689		5,443	5,225	5,277
	Operation weight			kg	2,761		3,277	3,282	4,068	4,078	4,951	4,634	4,639	5,398	5,180	5,242
Air heat exchanger	Type				Microchannel											
Compressor	Type				Screw compressor											
	Quantity				1						2	1			2	
Fan	Type				Direct propeller											
	Quantity				4		6		8		12	10			12	
	Air flow rate	Cooling	Nom.	l/s	18,890		28,330		37,770		56,660	47,213			56,660	
Sound power level	Cooling	Nom.		dBA	86.7	86.9	89.3	89.9	87.9	89.4	90.5	93.3	91.1	89.2	90.8	94.2
Sound pressure level	Cooling	Nom.		dBA	67.62	67.78	69.6	70.14	67.59	69.17	69.38	72.53	70.32	68.42	69.59	73.07
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46											
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge			kg	30		35	40	45	55	65		70	75		85
	Circuits	Quantity			1						2	1			2	
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm				139.7mm						168.3mm	
Unit	Starting current	Max		A	0											
	Running current	Cooling	Nom.	A	150.2	163.3	180.6	199.6	216.9	249.8	305.9	283.6	314.9	306.1	343.5	386.6
		Max		A	172	183	214	236	269	310	364	357	394	414	406	448
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400											

EWAH-TZXRD					620	645	700	750	790	840	900	975	H10	H11	H12	H13
SEER					5.467	6.207	6.095	6.392	6.417	6.318	6.216	6.252	6.226	5.875	5.942	5.987
Cooling capacity	Nom.			kW	607.1	632.8	687.3	743.4	780.8	831.9	886	959.8	1,066	1,167	1,257	1,363
Power input	Cooling	Nom.		kW	194.4	186.7	211.1	220	225.2	250.2	276	301.6	327.9	351.2	384.5	419.4
Capacity control	Method				Stepless											
	Minimum capacity			%	25	14	13	12		11	10			14	13	12
EER					3.123	3.389	3.255	3.379	3.467	3.325	3.21	3.182	3.251	3.323	3.268	3.251
IPLV					5.64	6.46	6.317	6.633	6.648	6.52	6.407	6.445	6.447	6.498	6.388	6.435
Dimensions	Unit	Height		mm	2,553											
		Width		mm	2,238											
		Depth		mm	5,920		7,000	8,080		9,160		10,240	11,320		12,400	13,480
Weight	Unit			kg	5,443		5,534	6,271		6,753	6,842	7,323	8,211	8,880	9,362	9,843
	Operation weight			kg	5,408	5,504	5,509	6,256	6,743	6,748	6,847	7,338	8,241	8,925	9,417	9,913
Air heat exchanger	Type				Microchannel											
Compressor	Type				Screw compressor											
	Quantity				1	2										
Fan	Type				Direct propeller											
	Quantity				10	12		14	16			18	20		22	24
	Air flow rate	Cooling	Nom.	l/s	47,213	56,660		66,098	75,540			84,983	94,425		103,868	113,320
Sound power level	Cooling	Nom.		dBA	90.2	89.1	90.2	91	91.6	92.4	94.1	95.6	94.1	92.7	93.4	94.2
Sound pressure level	Cooling	Nom.		dBA	69.5	67.94	69.04	69.4	69.68	70.53	72.22	73.4	71.53	70.14	70.59	71.07
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46											
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge			kg	85	90	95	105	110	115	125	135	150	165	175	190
	Circuits	Quantity			1	2										
Piping connections	Evaporator water inlet/outlet (OD)				139.7mm	168.3mm		219.1mm					273mm			
Unit	Starting current	Max		A	0											
	Running current	Cooling	Nom.	A	366.7	401.1	433.8	454.5	470	507.6	547.1	592.9	642.8	675.5	732.6	793.9
		Max		A	491	472	517	527	579	618	655	702	787	902	992	1,090
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400											

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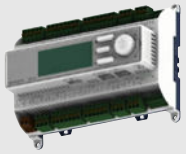
EWAH-TZPSD



MicroTech 4

EWAD_H_S-TZ-D

EWAH-TZPSD					225	265	295	340	395	420	490	500	540	545	615
SEER					6.234	6.353	6.334	6.977	6.709	6.849	6.786	6.44	6.576	6.09	6.865
Cooling capacity	Nom.			kW	227.3	266.6	293.6	336.7	392	421.5	848.9	502.6	538.7	541.2	612.4
Power input	Cooling	Nom.		kW	61.76	71.25	81.63	84.16	105.1	113.2	133.4	132.3	141.6	143.6	156.8
Capacity control	Method				Stepless										
	Minimum capacity			%	22	19	17	28	23	22	19	10		30	15
EER					3.6	3.618	3.499	3.853	3.651	3.612	3.561	3.737	3.721	3.736	3.843
IPLV					6.688	6.689	6.595	7.437	7.042	7.251	7.093	6.797	6.932	6.385	7.155
Dimensions	Unit	Height		mm	2,553										
		Width		mm	2,238										
		Depth		mm	3,640	4,720		5,800		6,880			7,960	6,880	7,960
Weight	Unit			kg	3,212	3,724		4,569		5,050	5,136	5,157	5,639	5,805	6,151
	Operation weight			kg	3,242	3,759	3,764	4,614	4,624	5,110	5,201	5,227	5,714	5,880	6,236
Air heat exchanger	Type				Microchannel										
Compressor	Type				Screw compressor										
	Quantity				1							2		1	2
Fan	Type				Direct propeller										
	Quantity				6	8		10		12			14	12	14
	Air flow rate	Cooling	Nom.	l/s	33,930	45,240		56,540		67,848			79,170	67,848	79,170
Sound power level	Cooling	Nom.		dBA	97.5	98.1	102.6	95.7	98.7	100.1	104.6	100.6	100.9	99	96.6
Sound pressure level	Cooling	Nom.		dBA	77.74	77.83	82.3	75	77.94	78.89	83.39	79.43	79.35	77.82	75.06
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46										
Refrigerant	Type/GWP				R-1234(ze)/7										
	Charge			kg	30	35	40	45	55	60	65	70	75		85
	Circuits	Quantity			1							2		1	2
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm			139.7mm				168.3mm		139.7mm	219.1mm
Unit	Starting current	Max		A	0										
	Running current	Cooling	Nom.	A	142.3	166.7	184.7	196.1	230.8	248	278	298.6	322.3	290.8	347.4
		Max		A	183	214	235	258	301	330	367	375	406	425	432
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400										

EWAH-TZPSD					645	700	770	845	900	960	C10	H10	H11	C12
SEER					6.816	6.672	6.656	6.712	6.595	6.596	6.52	6.564	6.262	6.327
Cooling capacity	Nom.			kW	640.9	697.3	768.3	847.6	901.3	958.2	1,006	1,068	1,163	1,216
Power input	Cooling	Nom.		kW	167.4	190.8	209.2	230.4	254.6	268.9	289.6	305.9	315.5	327.6
Capacity control	Method				Stepless									
	Minimum capacity			%	14	13	12	11	10				14	
EER					3.782	3.642	3.648		3.528	3.54	3.462	3.469	3.7	3.712
IPLV					7.157	6.992	6.965	7.134	6.932	6.912	6.746	6.815	6.562	7.068
Dimensions	Unit	Height		mm	2,553									
		Width		mm	2,238									
		Depth		mm	7,960		9,040	10,120		11,200		12,280		13,360
Weight	Unit			kg	6,151		6,722	7,256		8,050		8,573	9,242	9,723
	Operation weight			kg	6,241	6,246	6,827	7,371	7,381	8,180	8,190	8,723	9,402	9,893
Air heat exchanger	Type				Microchannel									
Compressor	Type				Screw compressor									
	Quantity				2									
Fan	Type				Direct propeller									
	Quantity				14		16	18		20		22		24
	Air flow rate	Cooling	Nom.	l/s	79,170		90,480	101,780		113,089		140,200		152,945
Sound power level	Cooling	Nom.		dBA	97.5	99.3	101	102.3	104.2	106.5	106.9	105.5	102.4	102.8
Sound pressure level	Cooling	Nom.		dBA	75.95	77.76	79.04	80.05	81.92	83.96	84.32	82.67	79.52	79.71
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46									
Refrigerant	Type/GWP				R-1234(ze)/7									
	Charge			kg	90	95	105	115	125	130	140	150	160	170
	Circuits	Quantity			2									
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm					273mm				
Unit	Starting current	Max		A	0									
	Running current	Cooling	Nom.	A	365	403.1	437.5	473.2	507.8	539.6	569.4	603	612	638.1
		Max		A	458	505	558	609	647	694	731	779	875	923
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400									

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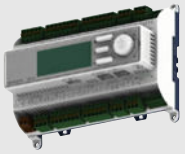
EWAH-TZPRD



MicroTech 4

EWAD_H_S-TZ-D

EWAH-TZPRD					225	265	295	340	395	420	490	500	540	545	615
SEER					6.176	6.335	6.289	7.018	6.627	6.824	6.728	6.458	6.426	6.091	6.484
Cooling capacity	Nom.			kW	225.2	264.6	291.2	333.9	389.2	419.1	481.2	497.4	533.5	536.5	604.9
Power input	Cooling	Nom.		kW	61.76	71.25	81.63	84.16	105.1	113.2	133.4	132.3	141.6	143.6	156.8
Capacity control	Method				Stepless										
	Minimum capacity			%	22	19	17	28	23	22	19	10		30	15
EER					3.647	3.713	3.567	3.967	3.705	3.703	3.606	3.76	3.768	3.736	3.858
IPLV					6.699	6.688	6.583	7.472	7.129	7.273	7.127	6.826	6.955	6.407	7.285
Dimensions	Unit	Height		mm	2,553										
		Width		mm	2,238										
		Depth		mm	3,760	4,840		5,920		7,000			8,080	7,000	8,080
Weight	Unit			kg	3,332	3,844		4,689		5,170	5,256	5,277	5,759	5,925	6,271
	Operation weight			kg	3,242	3,759	3,764	4,614	4,624	5,110	5,201	5,227	5,714	5,880	6,236
Air heat exchanger	Type				Microchannel										
Compressor	Type				Screw compressor										
	Quantity				1							2		1	2
Fan	Type				Direct propeller										
	Quantity				6	8		10		12			14	12	14
	Air flow rate	Cooling	Nom.	l/s	28,330	37,770		47,213		56,660			66,098	56,660	66,098
Sound power level	Cooling	Nom.		dBA	87.5	88.3	91.5	87.6	89.1	90.2	93.4	90.5	91	89.6	88.9
Sound pressure level	Cooling	Nom.		dBA	67.73	68.06	71.23	66.88	68.33	69.04	72.28	69.38	69.43	68.42	67.29
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46										
Refrigerant	Type/GWP				R-1234(ze)/7										
	Charge			kg	30	35	40	45	55	60	65	70	75		85
	Circuits	Quantity			1							2		1	2
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm			139.7mm				168.3mm		139.7mm	219.1mm
Unit	Starting current	Max		A	0										
	Running current	Cooling	Nom.	A	145.5	169.8	188.1	199.8	235.9	252.3	283.4	305.9	329.8	298.5	355.9
		Max		A	183	214	235	258	301	330	367	375	406	425	432
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400										

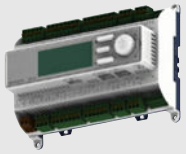
EWAH-TZPRD					645	700	770	845	900	960	C10	H10	H11	C12
SEER					6.833	6.649	6.674	6.722	6.613	6.665	6.53	6.577	6.262	6.255
Cooling capacity	Nom.			kW	633.1	689	760.6	839.9	892.3	949.1	994.9	1,056	1,150	1,204
Power input	Cooling	Nom.		kW	167.4	190.8	209.2	230.4	254.6	268.9	289.6	305.9	315.5	327.6
Capacity control	Method				Stepless									
	Minimum capacity			%	14	13	12	11	10				14	
EER					3.783	3.612	3.636	3.646	3.504	3.53	3.435	3.452	3.644	3.675
IPLV					7.162	7.001	6.458	7.118	6.974	6.918	6.794	6.863	6.451	6.947
Dimensions	Unit	Height		mm	2,553									
		Width		mm	2,238									
		Depth		mm	8,080		9,160	10,240		11,320		12,400		13,480
Weight	Unit			kg	6,271		6,842	7,376		8,170		8,693	9,362	9,843
	Operation weight			kg	6,241	6,246	6,827	7,371	7,381	8,180	8,190	8,723	9,402	9,893
Air heat exchanger	Type				Microchannel									
Compressor	Type				Screw compressor									
	Quantity				2									
Fan	Type				Direct propeller									
	Quantity				14		16	18		20		22		24
	Air flow rate	Cooling	Nom.	l/s	66,098		75,540	84,983		94,425		103,868		113,320
Sound power level	Cooling	Nom.		dBA	89.2	90.1	91.2	92.3	93.5	95.4	95.7	94.8	92.6	93.1
Sound pressure level	Cooling	Nom.		dBA	67.65	68.52	69.33	70.02	71.3	72.9	73.2	71.92	69.81	69.96
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46									
Refrigerant	Type/GWP				R-1234(ze)/7									
	Charge			kg	90	95	105	115	125	130	140	150	160	170
	Circuits	Quantity			2									
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm					273mm				
Unit	Starting current	Max		A	0									
	Running current	Cooling	Nom.	A	374.4	414.8	449.1	484.8	521.2	552.9	584.1	617.4	631.3	656.9
		Max		A	458	505	558	609	647	694	731	779	875	923
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400									

Inverter screw cooling only with BLU efficiency. Standard sound.

- Refrigerant R-513A
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,850 kW
- New single screw compressor geometry allowing performance optimization
- Refrigerant cooled inverter mounted on compressor all across the range
- Premium energy efficiency both at full and part load conditions
- Best capacity with smallest footprint
- Microchannel coils
- Unique fully integrated active harmonic filtration solution
- Performance monitoring
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions

More details and final information can be found by scanning or clicking the QR codes.

EWAS-TZBSD



MicroTech 4

EWAD_H_S-TZ-D

EWAS-TZBSD					275	320	345	400	470	525	580	625	755	830	915
SEER					4.3	4.4			4.6		4.7		4.6		4.7
Cooling capacity	Nom.			kW	258.8	310.6	338.2	405.8	451.2	505.5	554.9	597.4	734	800.1	884.2
Power input	Cooling			kW	97.8	106.4	122.7	145.2	170.8	178.3	210.4	244.8	246.3	284.8	319.3
Capacity control	Method				Stepless										
	Minimum capacity			%	22	19	17	22	23	22	19	17	13	11	13
EER					2.646	2.919	2.756	2.795	2.642	2.835	2.637	2.44	2.98	2.809	2.769
IPLV					4.3	4.5	4.4	4.7	4.6		4.5		4.8	4.7	
Dimensions	Unit	Height		mm	2,553										
		Width		mm	2,238										
		Depth		mm	2,560	3,640				4,720			6,880		
Weight	Unit			kg	2,602	3,084		3,486		4,032			5,670		6,142
	Operation weight			kg	2,677	3,169		3,583.7	3,593.7	4,160.1	4,170.1	4,175.1	6,055	6,065	6,748
Air heat exchanger	Type				Microchannel										
Compressor	Type				Screw compressor										
	Quantity				1								2		
Fan	Type				Direct propeller										
	Quantity				4	6				8			12		
	Air flow rate	Cooling	Nom.	l/s	25,490	38,235				50,990			76,470		
Sound power level	Cooling	Nom.		dBA	97.4	97.9	100	97.3	96.7	97.7	98.1	100.5	99	100	99
Sound pressure level	Cooling	Nom.		dBA	78.3	78.2	80.3	77.6	77	77.4	77.8	80.3	77.8	78.8	77.8
Operation range	Air side	Cooling	Min.~Max.	°CDB	5 ~42										
Refrigerant	Type/GWP				R-513A/630										
	Charge			kg	35	45		55	65	70	80	85	105	115	125
	Circuits	Quantity			1								2		
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm			139.7mm					168.3mm		219.1mm
Unit	Starting current	Max		A	0										
	Running current	Cooling	Nom.	A	190.1	207.1	228.7	262	300.2	315.2	362.8	413.9	457.4	515.3	568.4
		Max		A	220	262	284	346	362	400	457	464	600	668	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400										

EWAS-TZBSD					C10	H10	H11	C12	C13	C14	C15	H16	H17	H18	H19
SEER					4.7					4.6		4.9	4.8	4.7	4.8
Cooling capacity	Nom.			kW	953.9	1,050	1,127	1,197	1,293	1,359.6	1,483.5	1,606	1,688	1,799.6	1,868
Power input	Cooling			kW	371.96	393.3	411.8	434.6	472.69	519.9	558.77	581.2	647.2	699.02	775.2
Capacity control	Method				Stepless										
	Minimum capacity			%	11	10						13	12	11	10
EER					2.565	2.67	2.737	2.754	2.735	2.615	2.655	2.763	2.608	2.574	2.41
IPLV					4.7	4.8		4.7	4.6			5.2		5.1	
Dimensions	Unit	Height		mm	2,553										
		Width		mm	2,238										
		Depth		mm	6,880	7,960	9,040	10,120	11,200		12,280			13,360	
Weight	Unit			kg	6,142	6,816	7,297	7,779	8,260	8,581	9,920	10,323		10,805	
	Operation weight			kg	6,763	7,523	8,014	8,506	9,002	9,333	11,146	11,564	11,579	12,076	12,086
Air heat exchanger	Type				Microchannel										
Compressor	Type				Screw compressor										
	Quantity				2										
Fan	Type				Direct propeller										
	Quantity				12	14	16	18	20		22			24	
	Air flow rate	Cooling	Nom.	l/s	76,470	89,233	101,980	114,705	127,450		140,195			152,940	
Sound power level	Cooling	Nom.		dBA	100	100.7	101	101.8	103.7	104.8	106.2	104.1	104.9	105.8	106.6
Sound pressure level	Cooling	Nom.		dBA	78.8	79.1		79.6	81.2	82.3	83.4	81.2	82	82.7	83.5
Operation range	Air side	Cooling	Min.~Max.	°CDB	5 ~42										
Refrigerant	Type/GWP				R-513A/630										
	Charge			kg	140	150	160	170	185	195	215	230	245	260	270
	Circuits	Quantity			2										
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm						273mm				
Unit	Starting current	Max		A	0										
	Running current	Cooling	Nom.	A	647.2	681.9	711.6	748.1	807.1	876.6	940.2	972.2	1,069	1,148	1,261
		Max		A	751	817	884	930	948	1,120	1,200	1,227	1,340	1,475	1,608
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400										

Inverter screw with SILVER efficiency. Standard sound.

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- New single screw compressor geometry allowing performance optimization
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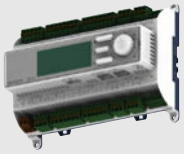
EWAS-TZSSD



MicroTech 4

EWAD_H_S-TZ-D

EWAS-TZSSD					285	325	380	430	495	520	535	555	585	595	645	650	705	760
SEER					5.2	5.4	5.5	5.2	5.1	4.9	5.3	5	4.9	5.2	5	5.2	4.9	5
Cooling capacity	Nom.			kW	284.9	329.3	374.3	426.2	487.5	522	529.7	553.9	583.2	585.6	645.1	635.1	702.3	758.2
Power input	Cooling	Nom.		kW	89.25	103.6	120.5	138.8	161.5	172.1	170.5	188.8	206.6	200.1	214.8	231	249.4	239.4
Capacity control	Method				Stepless													
	Minimum capacity			%	22	19	17	22	23	11	22	10		19	10	17	10	13
EER					3.192	3.179	3.106	3.071	3.019	3.033	3.107	2.934	2.823	2.927	3.003	2.749	2.816	3.167
IPLV					5.5	5.6	5.7	5.8	5.6	5.2	5.7	5.1		5.6	5.2	5.5	5.1	5.7
Dimensions	Unit	Height		mm	2,553													
		Width		mm	2,238													
		Depth		mm	3,640	4,720				5,800					6,880	5,800	6,880	7,960
Weight	Unit			kg	3,084	3,604		3,968	4,032	4,693	4,513	4,693		4,513	5,177	4,513	5,177	6,151
	Operation weight			kg	3,164	3,697	3,702	4,070.7	4,155.1	5,033	4,646.1	5,038	5,043	4,651.1	5,522	4,661.1	5,527	6,536
Air heat exchanger	Type				Microchannel													
Compressor	Type				Screw compressor													
	Quantity				1					2	1	2		1	2	1	2	
Fan	Type				Direct propeller													
	Quantity				6	8				10					12	10	12	14
	Air flow rate	Cooling	Nom.	l/s	38,240	50,990				63,733					76,480	63,733	76,480	89,233
Sound power level	Cooling	Nom.		dBA	97.8	98.3	100.2	97.7	97.1	99.3	98	99.5	100.7	98.4	100.9	100.7	103	99.2
Sound pressure level	Cooling	Nom.		dBA	78		80	77.4	76.9	78.6	77.3	78.7	79.9	77.7	79.8	80	81.9	77.7
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~42													
Refrigerant	Type/GWP				R-513A/630													
	Charge			kg	40	45	50	60	65	70	75		80		90		95	105
	Circuits	Quantity			1					2	1	2		1	2	1	2	
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm			139.7mm		168.3mm	139.7mm	168.3mm		139.7mm	168.3mm	139.7mm	168.3mm	
Unit	Starting current	Max		A	0													
	Running current	Cooling	Nom.	A	182.7	211.5	234.4	261.8	296.6	349.9	314.5	378.9	409.6	358.4	427.8	404.3	472.9	461.3
		Max		A	231	272	294	357	372	421	411	450	481	467	523	474	566	610
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400													

EWAS-TZSSD					835	960	C10	H10	H11	H12	H13	H14	H15	H16	H17	H18	H19
SEER					5.2	5.3	5.2		5.3	5.4		5.2	5.5	5.4		5.3	5.1
Cooling capacity	Nom.			kW	832.7	948.8	1,001	1,043	1,149	1,268	1,359	1,465	1,542	1,638	1,756	1,837	
Power input	Cooling	Nom.		kW	274.7	321.4	354.4	375	408.9	436.8	477.3	526.1	516.5	577.2	627.5	695.5	
Capacity control	Method				Stepless												
	Minimum capacity			%	11	12	11		10				14	13	12	11	10
EER					3.031	2.952	2.824	2.781	2.81	2.903	2.847	2.785	2.985	2.838	2.798	2.641	
IPLV					5.6	5.5	5.4	5.5	5.4	5.5		5.4	6.1	5.9	5.8	5.7	5.5
Dimensions	Unit	Height		mm	2,553												
		Width		mm	2,238												
		Depth		mm	7,960				9,040	11,200	12,280				13,360		
Weight	Unit			kg	6,151	6,623		6,816	7,297	8,260	8,742	9,920	10,323		10,805		
	Operation weight			kg	6,546	7,239	7,244	7,518	8,014	8,992	9,489	11,136	11,549	11,564	12,066	12,076	12,086
Air heat exchanger	Type				Microchannel												
Compressor	Type				Screw compressor												
	Quantity				2												
Fan	Type				Direct propeller												
	Quantity				14				16	20	22				24		
	Air flow rate	Cooling	Nom.	l/s	89,233				101,908	127,467	140,213				152,960		
Sound power level	Cooling	Nom.		dBA	100.2	99.6	100.2	100.5	101	102.5	104.2	105.3	103.3	104.1	104.9	105.8	106.6
Sound pressure level	Cooling	Nom.		dBA	78.7	78	78.7	78.9	79.1	79.9	81.3	82.5	80.5	81.2	81.8	82.7	83.5
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~42												
Refrigerant	Type/GWP				R-513A/630												
	Charge			kg	115	135	140	145	160	175	190	205	215	230	250	260	270
	Circuits	Quantity			2												
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm	219.1mm						273mm					
Unit	Starting current	Max		A	0												
	Running current	Cooling	Nom.	A	514.3	585.7	635	666.1	720.5	770.5	834.6	910.1	894.9	984.4	1,062	1,163	
		Max		A	679	706	761	789	884	948	1,187	1,156	1,124	1,227	1,351	1,475	1,608
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400												

Inverter screw with GOLD efficiency. Standard sound.

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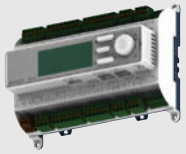
EWAS-TZXSD



MicroTech 4

EWAD_H_S-TZ-D

					EWAS-TZXSD	295	345	380	440	515	525	565	565	610	635	670	705	725	760
SEER						5.2	5.4	5.5	5.2	5.1	5	5.3	4.9	5	5.2	4.9	5.2	5	4.9
Cooling capacity	Nom.			kW		293.5	344.9	377.1	435.9	506.6	524.4	560.5		610.4	626.7	665.8	696.1	719.7	749.1
Power input	Cooling			kW		94.89	108.5	124.1	127.6	159.3	155	171.5		187.8	202.4	214.2	220.6	233.6	248.3
Capacity control	Method					Stepless													
	Minimum capacity			%		22	19	17	28	23	13	22	12	11	19	10	30	10	28
EER						3.093	3.179	3.039	3.416	3.18	3.383	3.268		3.25	3.096	3.108	3.155	3.081	3.017
IPLV						5.8	6.1	5.9	6.3	6.1	6	6.5	5.9	6	6.2	5.8	5.6	5.9	5.5
Dimensions	Unit	Height		mm		2,553													
		Width		mm		2,238													
		Depth		mm		3,640	4,720		5,800		6,880			7,960	6,880	7,960	6,880	7,960	6,880
Weight	Unit			kg		3,255	3,775		4,569		5,348	5,136	5,348	5,829	5,136	5,829	5,805	5,946	5,805
	Operation weight			kg		3,335	3,868	3,873	4,687.1	4,697.1	5,673	5,287.3	5,683	6,169	5,297.3	6,174	5,976.3	6,344	5,986.3
Air heat exchanger	Type					Microchannel													
Compressor	Type					Screw compressor													
	Quantity					1					2	1	2	1	2	1	2	1	
Fan	Type					Direct propeller													
	Quantity					6	8		10		12			14	12	14	12	14	12
	Air flow rate	Cooling	Nom.	l/s		33,930	45,240		56,540		67,860	68,280	67,860	79,170	68,280	79,170	68,280	79,170	68,280
Sound power level	Cooling	Nom.		dBA		97.5	98.1	102.6	95.7	97.5	100.1		100.3	100.6	104.6	100.9	99	102.3	99.8
Sound pressure level	Cooling	Nom.		dBA		79.9	81.8	82.8	74.6	75.8	78.9	76.2	80.2	81.2	76.6	83.3	77.8	83.8	78.6
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~42													
Refrigerant	Type/GWP					R-513A/630													
	Charge			kg		40	45	50	60	70		75	80	85		90	95	100	105
	Circuits	Quantity				1					2	1	2	1		2	1	2	1
Piping connections	Evaporator water inlet/outlet (OD)					88.9mm			139.7mm		168.3mm	139.7mm	168.3mm	139.7mm		168.3mm	139.7mm	168.3mm	139.7mm
Unit	Starting current	Max		A		0													
	Running current	Cooling	Nom.	A		198.1	227.3	247	258.3	305.8	334.1	331		397.7	377.1	443.2	403.7	464.7	444.5
		Max		A		224	261	289	314	342	389	404	429	457	452	498	520	535	568
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400													

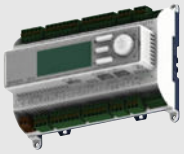
					EWAS-TZXSD	805	880	950	C10	H10	H11	C12	H12	H13	H14	H15	H16	H17
SEER						5.2	5.3	5.2		5.3	5.4		5.2	5.5	5.4		5.3	5.1
Cooling capacity	Nom.			kW		794.9	873.2	941.6	988.1	1,052	1,122	1,183	1,267.2	1,344	1,442	1,551	1,645	1,734
Power input	Cooling			kW		246.2	266.2	300.2	310.7	346.2	357.9	393.7	426.7	452.1	446.3	503.1	562.8	628.6
Capacity control	Method					Stepless												
	Minimum capacity			%		10	14	13	12	11		10		15	14	13	12	
EER						3.229	3.28	3.137	3.18	3.039	3.135	3.005	2.97	2.973	3.231	3.083	2.923	2.759
IPLV						6	6.4	6.2	6.3	6.1	6.3	6.1	6		6.1	6.2	6.1	5.9
Dimensions	Unit	Height		mm		2,553												
		Width		mm		2,238												
		Depth		mm		9,040			10,120		11,200			12,280	13,360			
Weight	Unit			kg		6,904	7,160		7,642		8,316			9,655	10,805			
	Operation weight			kg		7,495	7,761	7,771	8,258	8,268	9,028	9,038	9,053	10,856	12,016	12,031	12,046	12,061
Air heat exchanger	Type					Microchannel												
Compressor	Type					Screw compressor												
	Quantity					2												
Fan	Type					Direct propeller												
	Quantity					16			18		20			22	24			
	Air flow rate	Cooling	Nom.	l/s		90,480			101,772		113,080			124,388	135,696			
Sound power level	Cooling	Nom.		dBA		104.6	98.4	100.3	101	102.3	102.9	105.2	107.5	106.1	102	102.8	103.7	104.5
Sound pressure level	Cooling	Nom.		dBA		83.9	76.1	76.5	76.8	77.5	77.6	77.9	78	79.1	78.9	79.7	80.5	81.4
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~42												
Refrigerant	Type/GWP					R-513A/630												
	Charge			kg		110	120	130	135	145	155	165	180	190	200	215	230	245
	Circuits	Quantity				2												
Piping connections	Evaporator water inlet/outlet (OD)					219.1mm								273mm				
Unit	Starting current	Max		A		0												
	Running current	Cooling	Nom.	A		466.5	520.3	571.1	592.9	645.8	669.5	722.6	744.2	817.8	814.6	898.5	986.3	1,083
		Max		A		573	626	683	720	782	744	803	851	899	997	1,103	1,217	1,330
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400												

Inverter screw with GOLD efficiency. Reduced sound.

- Refrigerant R-513A
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,850 kW
- New single screw compressor geometry allowing performance optimization
- Refrigerant cooled inverter mounted on compressor all across the range
- Premium energy efficiency both at full and part load conditions
- Best capacity with smallest footprint
- Microchannel coils
- Unique fully integrated active harmonic filtration solution
- Performance monitoring
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions

More details and final information can be found by scanning or clicking the QR codes.

EWAS-TZXRD



MicroTech 4

EWAD_H_S-TZ-D

					EWAS-TZXRD	295	345	380	440	515	525	565	565	610	635	670	705	725	760
Capacity control	Method					Stepless													
	Minimum capacity			%		22	19	17	28	23	13	22	12	11	19	10	30	10	28
Dimensions	Unit	Height		mm		2,553													
		Width		mm		2,238													
		Depth		mm		3,640	4,720		5,800		6,880			7,960	6,880	7,960	6,880	7,960	6,880
Weight	Unit			kg		3,375	3,895		4,689		5,468	5,256	5,468	5,949	5,256	5,949	5,925	6,066	5,925
	Operation weight			kg		3,455	3,988	3,993	4,807.1	4,817.1	5,793	5,407.3	5,803	6,289	5,417.3	6,294	6,096.3	6,464	6,106.3
Air heat exchanger	Type					Microchannel													
Compressor	Type					Screw compressor													
	Quantity					1					2	1	2	1	2	1	2	1	
Fan	Type					Direct propeller													
	Quantity					6	8		10		12			14	12	14	12	14	12
	Air flow rate	Cooling	Nom.	l/s		28,330	37,770		47,213		56,660			66,098	56,660	66,098	56,660	66,098	56,660
Sound power level	Cooling	Nom.		dBA		87.5	88.3	91.5	87.6	88.4	90.2		90.3	90.8	93.4	91	89.6	91.9	90.1
Sound pressure level	Cooling	Nom.		dBA		67.7	68.1	71.2	66.9	67.7	69		69.2		72.3	69.4	68.4	70.3	68.9
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~42													
Refrigerant	Type/GWP					R-134a/630													
	Charge			kg		40	45	50	60	70		75	80	85		90	95	100	105
	Circuits	Quantity				1					2	1	2		1	2	1	2	1
Piping connections	Evaporator water inlet/outlet (OD)					88.9mm			139.7mm		168.3mm	139.7mm	168.3mm		139.7mm	168.3mm	139.7mm	168.3mm	139.7mm
Unit	Starting current	Max		A		0													
	Running current	Max		A		224	261	289	314	342	389	404	429	457	452	498	520	535	568
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400													

					EWAS-TZXRD	805	880	950	C10	H10	H11	C12	H12	H13	H14	H15	H16	H17
Capacity control	Method					Stepless												
	Minimum capacity			%		10	14	13	12	11		10			15	14	13	12
Dimensions	Unit	Height		mm		2,553												
		Width		mm		2,238												
		Depth		mm		9,040			10,120		11,200			12,280	13,360			
Weight	Unit			kg		7,024	7,280		7,762		8,436			9,775	10,925			
	Operation weight			kg		7,615	7,881	7,891	8,378	8,388	9,148	9,158	9,173	10,976	12,136	12,151	12,166	12,181
Air heat exchanger	Type					Microchannel												
Compressor	Type					Screw compressor												
	Quantity					2												
Fan	Type					Direct propeller												
	Quantity					16			18		20			22	24			
	Air flow rate	Cooling	Nom.	l/s		75,540			84,983		94,425			103,868	113,320			
Sound power level	Cooling	Nom.		dBA		93.7	89.9	90.9	91.5	92.3	92.8	94.4	96.3	95.2	92.6	93.1	93.6	94.2
Sound pressure level	Cooling	Nom.		dBA		71.8	68	69	69.3	70	70.3	71.9	73.7	72.4	69.5	70	70.5	71.1
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~42												
Refrigerant	Type/GWP					R-134a/630												
	Charge			kg		110	120	130	135	145	155	165	180	190	200	215	230	245
	Circuits	Quantity				2												
Piping connections	Evaporator water inlet/outlet (OD)					219.1mm								273mm				
Unit	Starting current	Max		A		0												
	Running current	Max		A		573	626	683	720	782	744	803	851	899	997	1,103	1,217	1,330
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400												

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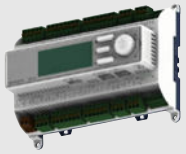
EWAS-TZPSD



MicroTech 4

EWAD_H_S-TZ-D

					EWAS-TZPSD	285	330	370	405	450	490	530	575	615	675	735
SEER						5.9	6	5.9	6.3	6.2		6	5.9		5.8	
Cooling capacity	Nom.			kW		287.6	333.2	370.2	405.1	450.1	488.4	531.7	573.6	620.2	677.1	732.9
Power input	Cooling	Nom.		kW		81.89	96.83	111.6	110.6	123.5	137.5	150.8	167.7	180.9	205.7	223.4
Capacity control	Method					Stepless										
	Minimum capacity			%		23	20	18	30	28	25	13	12	11	10	
EER						3.512	3.441	3.317	3.663	3.645	3.552	3.526	3.42	3.428	3.292	3.281
IPLV						6.5		6.4	7	7.3	7.2	6.4	6.3		6.1	6.2
Dimensions	Unit	Height		mm		2,553										
		Width		mm		2,238										
		Depth		mm		4,720	5,800		6,880			7,960		9,040		
Weight	Unit			kg		3,775	4,256		5,050	5,136		5,829		6,311		6,427
	Operation weight			kg		3,863	4,349	4,354	5,163.1	5,272.3	5,277.3	6,159	6,164	6,651	6,661	6,825
Air heat exchanger	Type					Microchannel										
Compressor	Type					Screw compressor										
	Quantity					1						2				
Fan	Type					Direct propeller										
	Quantity					8	10		12			14		16		
	Air flow rate	Cooling	Nom.	l/s		45,240	56,540		67,848			79,170		90,480		
Sound power level	Cooling	Nom.		dBA		97.5	98.1	100.4	94.7	96	97.7	100.2	100.4	100.7	101	102.3
Sound pressure level	Cooling	Nom.		dBA		78.2	81	81.9	74.2	74.5	74.9	78.6	79.9	80.9	83	83.4
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~42										
Refrigerant	Type/GWP					R-513A/630										
	Charge			kg		40	45	50	55	60	65	75	80	85	95	100
	Circuits	Quantity				1						2				
Piping connections	Evaporator water inlet/outlet (OD)					88.9mm			139.7mm			168.3mm				
Unit	Starting current	Max		A		0										
	Running current	Cooling	Nom.	A		181.1	212.7	238.2	242	258.8	280	332	361.5	391.2	434	459.1
		Max		A		220	258	285	293	352	404	399	429	468	508	535
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400										

					EWAS-TZPSD	810	890	960	C10	H10	H11	C12	H12	H13	H14	H15
SEER						6.1	6.3	6.1	6.2	6.1		6	6.1	6	5.9	5.7
Cooling capacity	Nom.			kW		810	884.2	954	1,001	1,067	1,110	1,197	1,288	1,363	1,443	1,552
Power input	Cooling	Nom.		kW		238.8	256.7	288.7	298.9	331.9	343.6	434.6	410.7	433.6	435.6	492.1
Capacity control	Method					Stepless										
	Minimum capacity			%		10	14	13	12	11		10		15	14	
EER						3.392	3.444	3.304	3.349	3.215	3.231	2.754	3.136	3.143	3.313	3.154
IPLV						6.5	6.8	6.6		6.3	6.5	6.4	6.3	6.4	6.3	6.4
Dimensions	Unit	Height		mm		2,553										
		Width		mm		2,238										
		Depth		mm		10,120			11,200		12,280			13,360		
Weight	Unit			kg		7,385	7,642		8,123		8,798		9,655	10,136	10,805	
	Operation weight			kg		7,976	8,243	8,253	8,744	8,754	9,515	9,520	10,846	11,337	12,021	12,036
Air heat exchanger	Type					Microchannel										
Compressor	Type					Screw compressor										
	Quantity					2										
Fan	Type					Direct propeller										
	Quantity					18			20		22			24		
	Air flow rate	Cooling	Nom.	l/s		101,772			113,080		140,200			152,945		
Sound power level	Cooling	Nom.		dBA		104.6	98.6	100.4	101.1	102.4	103	105.2	107.5	106.2	102	102.8
Sound pressure level	Cooling	Nom.		dBA		83.6	75.9	76.3	76.6	77.3	77.4	77.7	77.9	78.9		79.7
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~42										
Refrigerant	Type/GWP					R-513A/630										
	Charge			kg		110	120	130	140	150	160	165	180	190	205	220
	Circuits	Quantity				2										
Piping connections	Evaporator water inlet/outlet (OD)					219.1mm							273mm			
Unit	Starting current	Max		A		0										
	Running current	Cooling	Nom.	A		485.2	511.9	559.9	581.2	630.4	653.8	748.1	756.2	796.3	798.5	882
		Max		A		573	616	672	709	761	796	845	893	951	1,039	1,135
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400										

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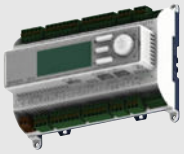
EWAS-TZPRD



MicroTech 4

EWAD_H_S-TZ-D

					EWAS-TZPRD	285	330	370	405	450	490	530	575	615	675	735
Capacity control	Method					Stepless										
	Minimum capacity			%		23	20	18	30	28	25	13	12	11	10	
Dimensions	Unit	Height		mm		2,553										
		Width		mm		2,238										
		Depth		mm		4,720	5,800		6,880			7,960		9,040		
Weight	Unit			kg		3,895	4,376		5,170	5,256		5,949		6,431		6,547
	Operation weight			kg		3,983	4,469	4,474	5,283.1	5,392.3	5,397.3	6,279	6,284	6,771	6,781	6,945
Air heat exchanger	Type					Microchannel										
Compressor	Type					Screw compressor										
	Quantity					1						2				
Fan	Type					Direct propeller										
	Quantity					8	10		12			14		16		
	Air flow rate	Cooling	Nom.	l/s		37,770	47,213		56,660			66,098		75,540		
Sound power level	Cooling	Nom.		dBA		88	88.7	90.1	87.8	88.2	88.9	90.6	90.7	91.1	91.3	92.1
Sound pressure level	Cooling	Nom.		dBA		67.7	68	69.4	66.6	67	67.8	69	69.1	69.2	69.4	70.2
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~42										
Refrigerant	Type/GWP					R-134a/630										
	Charge			kg		40	45	50	55	60	65	75	80	85	95	100
	Circuits	Quantity				1						2				
Piping connections	Evaporator water inlet/outlet (OD)					88.9mm			139.7mm			168.3mm				
Unit	Starting current	Max		A		0										
	Running current	Max		A		220	258	285	293	352	404	399	429	468	508	535
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400										

					EWAS-TZPRD	810	890	960	C10	H10	H11	C12	H12	H13	H14	H15
Capacity control	Method					Stepless										
	Minimum capacity			%		10	14	13	12	11		10		15	14	
Dimensions	Unit	Height		mm		2,553										
		Width		mm		2,238										
		Depth		mm		10,120			11,200		12,280			13,360		
Weight	Unit			kg		7,505	7,762		8,243		8,918	9,775		10,256	10,925	
	Operation weight			kg		8,096	8,363	8,373	8,864	8,874	9,635	9,640	10,966	11,457	12,141	12,156
Air heat exchanger	Type					Microchannel										
Compressor	Type					Screw compressor										
	Quantity					2										
Fan	Type					Direct propeller										
	Quantity					18			20		22			24		
	Air flow rate	Cooling	Nom.	l/s		84,983			94,425		103,868			113,320		
Sound power level	Cooling	Nom.		dBA		93.9	90.3	91.2	91.8	92.5	93	94.5	96.4	95.4	92.6	93.1
Sound pressure level	Cooling	Nom.		dBA		71.6	68.1	68.9	69.2	69.9	70.2	71.7	73.5	72.2	69.5	70
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20 ~42										
Refrigerant	Type/GWP					R-134a/630										
	Charge			kg		110	120	130	140	150	160	165	180	190	205	220
	Circuits	Quantity				2										
Piping connections	Evaporator water inlet/outlet (OD)					219.1mm							273mm			
Unit	Starting current	Max		A		0										
	Running current	Max		A		573	616	672	709	761	796	845	893	951	1,039	1,135
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400										

BLUEVOLUTION

Air cooled scroll chiller, standard efficiency, standard/low sound

- First R-32 air cooled chiller with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller with superior control logic and easy interface
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input

More details and final information can be found by scanning or clicking the QR codes.

EWAT-B-SSB

EWAT-B-SLB

Cooling Only				EWAT-B-SSB/SLB	085	115	135	155	175	195	205	215
Space cooling	A Condition 35°C	Pdc		kW	80.92	108.97	131.42	158.15	174.93	191.39	210.53	217.08
		ηs,c		%	161	173	161		176.2	170.6	173	161
		ηs,c + VFDFAN		%	-							
SEER					4.1	4.4	4.1		4.48	4.34	4.4	4.1
SEER + VFDFAN					-							
Cooling capacity	Nom.			kW	81	109	131	158	175	191	211	217
Power input	Cooling	Nom.		kW	31.8	38.5	49.8	61.9	67.8	69.5	80	85.8
Capacity control	Method				Step							
	Minimum capacity			%	50	38	50	25	38	21	19	50
EER					2.55	2.83	2.64	2.55	2.58	2.75	2.63	2.53
IPLV					4.65	4.92	4.46	4.68	4.78	4.84	4.86	4.7
EER + VFDFAN					-							
IPLV + VFDFAN					-							
Dimensions	Unit	Height		mm	1,801			1,822	1,801	1,822		
		Width		mm	1,204							
		Length		mm	2,120	2,660		3,570	3,180	4,170		3,780
Weight (SSB)	Unit			kg	681	767	811	1,007	984	1,166	1,158	1,184
	Operation weight			kg	686	773	820	1,014	996	1,177	1,169	1,200
Weight (SLB)	Unit			kg	691	777	821	1,028	994	1,187	1,179	1,194
	Operation weight			kg	696	783	830	1,035	1,006	1,198	1,190	1,210
Water heat exchanger	Type				Brazed plate							
	Water volume			l	5	6	9	7	12	11		16
	Water flow rate	Cooling	Nom.	l/s	3.9	5.2	6.3	7.6	8.4	9.1	10.1	10.4
	Water pressure drop	Cooling	Nom.	kPa	27.3	34.4	26.5	64.2	41.7	45.9	54.4	41.4
Air heat exchanger	Type				Microchannel							
Compressor	Type				Scroll compressor							
	Quantity				2			4	2	4		2
Fan	Type				Direct propeller							
	Quantity				4	6		8		10		
	Air flow rate	Nom.		l/s	6,022	9,036		13,354	12,023	16,710		15,057
	Speed			rpm	1,360							
Sound power level (SSB)	Cooling	Nom.		dBA	84.8	88.2	89.7	87.8	91.8	89.9	90.9	93.2
Sound power level (SLB)	Cooling	Nom.		dBA	83.7	86.2	87	86.7	88.8	88.1	88.7	90
Sound pressure level (SSB)	Cooling	Nom.		dBA	67.4	70.5	72	69.5	73.8	71.3	72.3	74.8
Sound pressure level (SLB)	Cooling	Nom.		dBA	66.3	68.5	69.3	68.4	70.7	69.5	70.1	71.6
Refrigerant	Type/GWP				R-32/675							
	Charge (SSB)			kg	7.1	8.4		12.4	10.7	14.1	14.4	12.7
	Charge (SLB)			kg	7.1	8.2	8.4	12.4	10.7	14	13.4	12.7
	Circuits	Quantity			1			2	1	2		1
Piping connections	Evaporator water inlet/outlet (OD)				76.1			88.9	76.1	88.9		76.1
Unit	Starting current	Max		A	213	313	324	284	462	384	395	498
	Running current	Cooling	Nom.	A	59	69	83	108	113	117	131	142
		Max		A	73	86	96	143	132	156	167	168
Power supply	Phase/Frequency			Hz	3~/50							

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- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input

EWAT-B-SS/SL/SR Modular V

Single V

MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAT-B-SRB

Cooling Only					EWAT-B-SRB	085	115	135	155	175	195	205	215
Space cooling	A Condition 35°C	Pdc		kW		76.49	105	123.88	150.13	164.87	181.31	200.51	203.5
	ηs,c			%		161	173	161		166.2	162.2	167.8	161
SEER						4.1	4.4	4.1		4.23	4.13	4.27	4.1
Cooling capacity	Nom.			kW		76	105	124	150	165	181	201	204
Power input	Cooling	Nom.		kW		33.7	40.3	53	65.9	73	73.2	84.6	91.9
Capacity control	Method					Step							
	Minimum capacity			%		50	38	50	25	38	21	19	50
EER						2.27	2.61	2.34	2.28	2.26	2.48	2.37	2.21
IPLV						4.67	4.97	4.5	4.63	4.74	4.64	4.91	4.66
Dimensions	Unit	Height		mm		1,801			1,822	1,801	1,822		
		Width		mm		1,204							
		Length		mm		2,120	2,660		3,570	3,180	4,170		3,780
Weight	Unit			kg		691	777	821	1,028	994	1,187	1,179	1,194
	Operation weight			kg		696	783	830	1,035	1,006	1,198	1,190	1,210
Water heat exchanger	Type					Brazed plate							
	Water volume			l		5	6	9	7	12	11		16
	Water flow rate	Cooling	Nom.	l/s		3.7	5	5.9	7.2	7.9	8.7	9.6	9.7
	Water pressure drop	Cooling	Nom.	kPa		24.6	32.2	23.8	58.5	37.5	41.6	49.9	36.8
Air heat exchanger	Type					Microchannel							
Compressor	Type					Scroll compressor							
	Quantity					2		4	2	4			2
Fan	Type					Direct propeller							
	Quantity					4	6		8		10		
	Air flow rate	Nom.		l/s		4,929	7,396		11,352	9,838	14,202		12,325
	Speed			rpm		1,200							
Sound power level	Cooling	Nom.		dBA		78.6	82.5	84.1	81.6	86.3	83.9	85.2	87.8
Sound pressure level	Cooling	Nom.		dBA		61.2	64.7	66.4	63.3	68.3	65.3	66.6	69.4
Refrigerant	Type/GWP					R-32/675							
	Charge			kg		7.1	8.4		13	10.7	13.9	14.4	12.3
	Circuits	Quantity				1			2	1	2		1
Piping connections	Evaporator water inlet/outlet (OD)					76.1			88.9	76.1	88.9		76.1
Unit	Starting current	Max		A		213	313	324	284	462	384	395	498
	Running current	Cooling	Nom.	A		62	71	87	115	119	123	139	151
		Max		A		73	86	96	143	132	156	167	168
Power supply	Phase/Frequency			Hz		3~/50							

Air cooled scroll chiller, high efficiency, standard/low sound

- First R-32 air cooled chiller with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller with superior control logic and easy interface
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input

EWAT-B-XS/XL/XR Modular V

Single V

MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWAT-B-XSB

EWAT-B-XLB

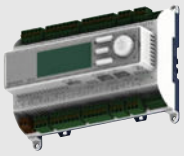
Cooling Only				EWAT-B-XSB/XLB	085	115	145	180	185
Space cooling	A Condition 35°C	Pdc		kW	87.9	113.89	143.48	179.01	182.67
		ηs,c		%	167	183	175	-	175.8
		ηs,c + VFDFAN		%		-		181.8	-
SEER					4.25	4.65	4.45	4.38	4.47
SEER + VFDFAN						-		4.62	-
Cooling capacity	Nom.			kW	88	114	143	179	183
Power input	Cooling	Nom.		kW	28.8	36.6	44.4	57	63.6
Capacity control	Method						Step		
	Minimum capacity			%	50	38	50	25	38
EER					3.05	3.12	3.23	3.14	2.87
IPLV					4.83	5	4.82	4.65	4.74
EER + VFDFAN						-		3.13	-
IPLV + VFDFAN						-		5.11	-
Dimensions	Unit	Height		mm		1,801	1,822	2,540	1,822
		Width		mm		1,204		2,236	1,204
		Length		mm	2,660	3,180	3,780	2,326	3,780
Weight (XSB)	Unit			kg	737	830	949	1,633	1,066
	Operation weight			kg	742	836	958	1,644	1,078
Weight (XLB)	Unit			kg	747	840	959	1,736	1,076
	Operation weight			kg	752	846	968	1,747	1,088
Water heat exchanger	Type						Brazed plate		
	Water volume			l	5	6	9	11	12
	Water flow rate	Cooling	Nom.	l/s	4.2	5.4	6.9	8.6	8.7
	Water pressure drop	Cooling	Nom.	kPa	31.6	37.3	31	40.7	45.1
Air heat exchanger	Type						Microchannel		
Compressor	Type						Scroll compressor		
	Quantity					2		4	2
Fan	Type						Direct propeller		
	Quantity				6	8	10	4	10
	Air flow rate	Nom.		l/s	9,036	12,023	15,057	20,306	15,057
	Speed			rpm		1,360		900	1,360
Sound power level (XSB)	Cooling	Nom.		dBA	86	88.8	90.5	91.2	92.1
Sound power level (XLB)	Cooling	Nom.		dBA	85.2	87.1	88.5	90.6	89.3
Sound pressure level (XSB)	Cooling	Nom.		dBA	68.3	70.8	72.2	72.3	73.7
Sound pressure level (XLB)	Cooling	Nom.		dBA	67.5	69.1	70.1	71.6	70.9
Refrigerant	Type/GWP						R-32/675		
	Charge (XSB)			kg	8.6	9.7	10.7	19.4	11.2
	Charge (XLB)			kg	8.6	9.4	11.2	18.8	11.2
	Circuits	Quantity				1		2	1
Piping connections	Evaporator water inlet/outlet (OD)					76.1		88.9	76.1
Unit	Starting current	Max		A	215	315	328	290	464
	Running current	Cooling	Nom.	A	56	67	78	110	108
		Max		A	75	87	100	149	134
Power supply	Phase/Frequency			Hz			3~/50		

Air cooled scroll chiller, high efficiency, reduced sound

- First R-32 air cooled chiller with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller with superior control logic and easy interface
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input

EWAT-B-XS/XL/XR Modular V

Single V



MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

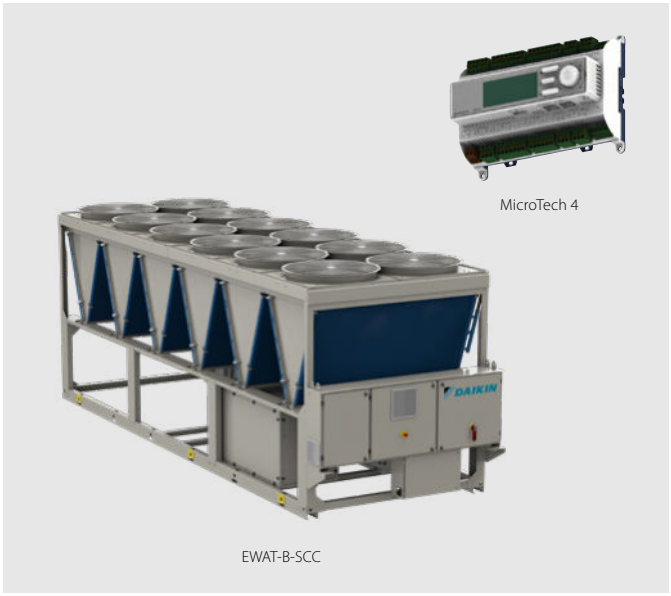
EWAT-B-XRB

Cooling Only				EWAT-B-XRB	085	115	145	180	185
Space cooling	A Condition 35°C	Pdc		kW	81.86	108.59	135.62	168.03	166.16
	ηs,c			%	213.28	179.4	166.6	177	164.6
SEER					4.13	4.56	4.24	4.5	4.19
Cooling capacity	Nom.			kW	82	109	136	168	166
Power input	Cooling	Nom.		kW	30.8	38.9	46.9	59.1	70.5
Capacity control	Method				Step				
	Minimum capacity			%	50	38	50	25	38
EER					2.66	2.79	2.89	2.84	2.36
IPLV					4.74	5.1	4.76	5.04	4.72
Dimensions	Unit	Height		mm	1,801		1,822	2,540	1,822
		Width		mm	1,204			2,236	1,204
		Length		mm	2,660	3,180	3,780	2,326	3,780
Weight	Unit			kg	747	840	959	1,736	1,076
	Operation weight			kg	752	846	968	1,747	1,088
Water heat exchanger	Type				Brazed plate				
	Water volume			l	5	6	9	11	12
	Water flow rate	Cooling	Nom.	l/s	3.9	5.2	6.5	8	7.9
	Water pressure drop	Cooling	Nom.	kPa	27.8	34.2	28	36.3	38
Air heat exchanger	Type				Microchannel				
Compressor	Type				Scroll compressor				
	Quantity				2			4	2
Fan	Type				Direct propeller				
	Quantity				6	8	10	4	10
	Air flow rate	Nom.		l/s	6,673	8,896	11,122	15,054	11,122
	Speed			rpm	1,108			700	1,108
Sound power level	Cooling	Nom.		dBA	77.9	81.9	84	84.2	86
Sound pressure level	Cooling	Nom.		dBA	60.2	63.9	65.6	65.3	67.7
Refrigerant	Type/GWP				R-32/675				
	Charge			kg	8.4	9.1	10.3	12	11.8
	Circuits	Quantity			1			2	1
Piping connections	Evaporator water inlet/outlet (OD)				76.1			88.9	76.1
Unit	Starting current	Max		A	215	315	328	290	464
	Running current	Cooling	Nom.	A	59	71	83	113	118
		Max		A	75	87	100	149	134
Power supply	Phase/Frequency			Hz	3~/50				

Air cooled scroll compressor chiller Gold efficiency Standard sound

› R32 refrigerant;
› Nominal capacity up to 1,000 kW;
› Scroll compressors;
› Top class efficiency both at full and part load conditions;
› Best capacity with smallest footprint;
› Microchannel coils;
› Performance monitoring;
› New Daikin MicroTech 4 controller.

More details and final information can be found by scanning or clicking the QR codes. EWAT-B-SSC



EWAT-B-SCC

Cooling Only					EWAT	310B-SSC1	320B-SSC2	350B-SSC1	380B-SSC2	430B-SSC2	480B-SSC2	570B-SSC2	620B-SSC2	670B-SSC2	730B-SSC2
Space cooling	A Condition 35°C	Pdc		kW		305.92	317.98	345.59	381.40	426.61	477.56	567.34	622.34	668.92	734.97
	ηs,c			%		184.6	177.7	181.2	183.0	184.9	183.0	190.4	188.9	188.1	190.4
SEER						4.689	4.517	4.604	4.649	4.698	4.649	4.834	4.797	4.778	4.834
Cooling capacity	Nom.			kW		305.92	317.98	345.59	381.40	426.61	477.56	567.34	622.34	668.92	734.97
Power input	Cooling	Nom.		kW		106.6	115.0	130.0	125.2	148.6	176.0	185.5	213.1	237.0	248.6
Capacity control	Method					Step									
	Minimum capacity			%		22	21	19	18	16	14	22	20	18	17
EER						2.869	2.764	2.658	3.046	2.871	2.714	3.058	2.921	2.823	2.957
IPLV						4.948	4.794	4.948	4.849	4.907	4.940	5.062	5.073	5.088	5.120
Dimensions	Unit	Height		mm		2,535									
		Width		mm		2,238									
		Depth		mm			2,510			3,590			4,670		5,750
Weight	Unit			kg		2,080	2,120	2,200	2,620	2,800	2,920	3,500	3,670	3,780	4,310
	Operation weight			kg		2,099	2,146	2,228	2,646	2,837	2,960	3,555	3,747	3,856	4,385
Air heat exchanger	Type					Microchannel									
Compressor	Type					Scroll compressor									
	Quantity					3	4	3	4		5		6		
Fan	Type					Direct propeller									
	Quantity						4			6			8		10
	Air flow rate	Cooling	Nom.	l/s		25,490	25,500	25,490		38,240			50,980		63,730
Sound power level	Cooling	Nom.		dBA		94.0	93.8	94.5	95.1	95.6	95.9	96.7	97.0	97.3	97.9
Sound pressure level	Cooling	Nom.		dBA		74.9	74.7	75.5	75.4	75.9	76.2	76.5	76.7	77.0	77.2
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20~52									
Refrigerant	Type/GWP					R-32/675									
	Charge			kg		22.0	25.0	30.0	31.0	35.0	39.0	45.0	50.0	53.0	59.0
	Circuits	Quantity				1	2	1				2			
Piping connections	Evaporator water inlet/outlet (OD)						88.9mm						139.7mm		
Unit	Starting current	Max		A		693	697	735	750	792	838	891	936	979	1,032
	Running current	Cooling	Nom.	A		186	200	224	222	260	304	329	374	413	438
		Max		A		245	249	287	302	344	390	443	488	531	584
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400									

Cooling Only					EWAT	790B-SSC2	860B-SSC2	960B-SSC2
Space cooling	A Condition 35°C	Pdc		kW		791.18	857.22	961.63
	ηs,c			%		190.8	192.6	189.0
SEER						4.844	4.889	4.801
Cooling capacity	Nom.			kW		791.18	857.22	961.63
Power input	Cooling	Nom.		kW		273.9	285.5	335.1
Capacity control	Method					Step		
	Minimum capacity			%		15	14	25
EER						2.889	3.002	2.870
IPLV						5.092	5.122	5.079
Dimensions	Unit	Height		mm		2,535		
		Width		mm		2,238		
		Depth		mm		5,850	6,930	
Weight	Unit			kg		4,670	5,120	5,310
	Operation weight			kg		4,743	5,196	5,412
Air heat exchanger	Type					Microchannel		
Compressor	Type					Scroll compressor		
	Quantity					7		8
Fan	Type					Direct propeller		
	Quantity					10	12	
	Air flow rate	Cooling	Nom.	l/s		63,730	76,480	
Sound power level	Cooling	Nom.		dBA		98.1	98.6	99.0
Sound pressure level	Cooling	Nom.		dBA		77.4	77.5	77.8
Operation range	Air side	Cooling	Min.~Max.	°CDB		-20~52		
Refrigerant	Type/GWP					R-32/675		
	Charge			kg		63.0	68.0	77.0
	Circuits	Quantity				2		
Piping connections	Evaporator water inlet/outlet (OD)					139.7mm		
Unit	Starting current	Max		A		1,079	1,132	1,220
	Running current	Cooling	Nom.	A		479	505	585
		Max		A		631	684	772
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400		

Air cooled scroll compressor chiller Gold efficiency Standard sound

- R32 refrigerant;
- Nominal capacity up to 1,000 kW;
- Scroll compressors;
- Top class efficiency both at full and part load conditions;
- Best capacity with smallest footprint;
- Microchannel coils;
- Performance monitoring;
- New Daikin MicroTech 4 controller.

EWAT-B-SRC

More details and final information can be found by scanning or clicking the QR codes. EWAT-B-SRC

Cooling Only				EWAT	310B-SRC1	320B-SRC2	350B-SRC1	380B-SRC2	430B-SRC2	480B-SRC2	570B-SRC2	620B-SRC2	670B-SRC2	730B-SRC2
Space cooling	A Condition 35°C	Pdc		kW	297.62	308.38	334.14	373.60	415.25	463.29	553.35	605.02	647.77	714.95
		ηs,c		%	197.5	185.0	189.2	192.8	193.5	193.1	202.0	200.3	197.9	205.2
SEER					5.013	4.700	4.806	4.895	4.913	4.902	5.124	5.083	5.022	5.206
Cooling capacity	Nom.			kW	297.62	308.38	334.14	373.60	415.25	463.29	553.35	605.02	647.77	714.95
Power input	Cooling	Nom.		kW	108.0	117.1	133.5	124.4	149.9	179.2	186.4	216.0	242.2	251.4
Capacity control	Method				Step									
	Minimum capacity			%	22	21	19	18	16	14	22	20	18	17
EER					2.757	2.634	2.502	3.003	2.771	2.586	2.969	2.801	2.674	2.844
IPLV					5.485	4.999	5.319	5.324	5.339	5.382	5.557		5.525	5.650
Dimensions	Unit	Height		mm	2,535									
		Width		mm	2,238									
		Depth		mm	2,514			3,594			4,674			5,754
Weight	Unit			kg	2,164	2,206	2,288	2,705	2,920	3,063	3,634	3,828	3,937	4,467
	Operation weight			kg	2,187	2,234	2,316	2,733	2,959	3,099	3,694	3,905	4,014	4,544
Air heat exchanger	Type				Microchannel									
Compressor	Type				Scroll compressor									
	Quantity				3		4		5		6			
Fan	Type				Direct propeller									
	Quantity				4		6				8			10
	Air flow rate	Cooling	Nom.	l/s	21,470	21,460	21,470	32,200			42,940			53,670
Sound power level	Cooling	Nom.		dBA	87.9	87.8	88.1	89.5	89.6	89.7	90.8	90.9	91.0	91.9
Sound pressure level	Cooling	Nom.		dBA	68.8		69.0	69.8	69.9	70.0	70.6	70.7	70.8	71.2
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~52									
Refrigerant	Type/GWP				R-32/675									
	Charge			kg	22	25	30	31	35	39	45	50	53	59
	Circuits	Quantity			1	2	1				2			
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm						139.7mm			
Unit	Starting current	Max		A	693	697	735	750	792	838	891	936	979	1,032
	Running current	Cooling	Nom.	A	195	210	236	232	272	319	344	392	434	459
		Max		A	245	249	287	302	344	390	443	488	531	584
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400									

Cooling Only				EWAT	790B-SRC2	860B-SRC2	960B-SRC2
Space cooling	A Condition 35°C	Pdc		kW	768.57	835.75	933.57
		ηs,c		%	206.3	208.4	201.8
SEER					5.232	5.284	5.121
Cooling capacity	Nom.			kW	768.57	835.75	933.57
Power input	Cooling	Nom.		kW	278.3	287.5	341.0
Capacity control	Method				Step		
	Minimum capacity			%	15	14	25
EER					2.762	2.907	2.738
IPLV					5.484	5.630	5.550
Dimensions	Unit	Height		mm	2,535		
		Width		mm	2,238		
		Depth		mm	5,848	6,928	
Weight	Unit			kg	4,845	5,298	5,512
	Operation weight			kg	4,922	5,375	5,611
Air heat exchanger	Type				Microchannel		
Compressor	Type				Scroll compressor		
	Quantity				7		8
Fan	Type				Direct propeller		
	Quantity				10	12	
	Air flow rate	Cooling	Nom.	l/s	53,670	64,400	
Sound power level	Cooling	Nom.		dBA	91.9	92.6	92.7
Sound pressure level	Cooling	Nom.		dBA	71.2	71.5	71.6
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~52		
Refrigerant	Type/GWP				R-32/675		
	Charge			kg	63	68	77
	Circuits	Quantity			2		
Piping connections	Evaporator water inlet/outlet (OD)				139.7mm		
Unit	Starting current	Max		A	1,078	1,131	1,219
	Running current	Cooling	Nom.	A	503	529	615
		Max		A	630	683	771
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400		

Air cooled scroll compressor chiller Gold efficiency Standard sound

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› Scroll compressors;
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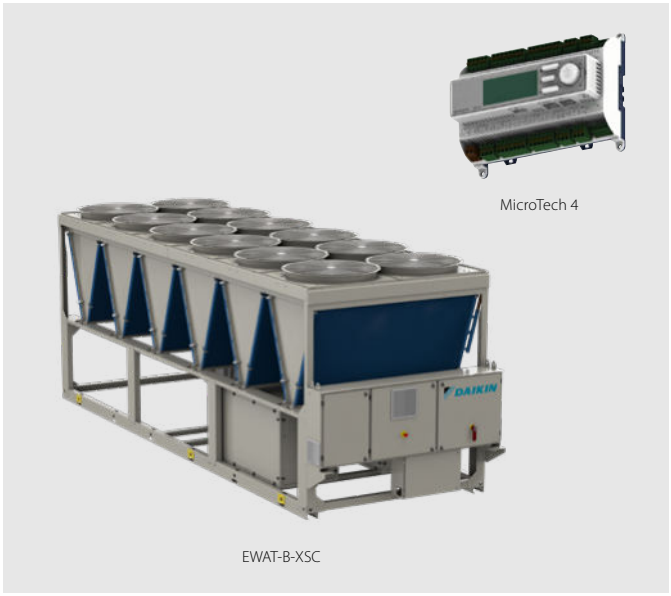
› Best capacity with smallest footprint;
› Microchannel coils;
› Performance monitoring;
› New Daikin MicroTech 4 controller.

More details and final information can be found by scanning or clicking the QR codes. EWAT-B-XSC



Cooling Only				EWAT	10B-XSC2	250B-XSC1	320B-XSC1	370B-XSC1	390B-XSC2	450B-XSC2	510B-XSC2	540B-XSC2	590B-XSC2	630B-XSC2
Space cooling	A Condition 35°C	Pdc		kW	1,009.36	252.39	324.44	371.33	387.85	448.05	512.31	539.39	586.74	631.42
		ηs,c		%	193.4	181.8	188.6	187.4	184.9	187.4	189.4	192.5	192.4	192.6
SEER					4.910	4.620	4.789	4.759	4.697	4.760	4.810	4.887	4.884	4.890
Cooling capacity	Nom.			kW	1,009.00	252.39	324.44	371.33	387.85	448.05	512.31	539.39	586.74	631.42
Power input	Cooling	Nom.		kW	315.7	79.1	100.0	118.8	125.6	140.5	158.0	160.2	178.6	197.1
Capacity control	Method				Step									
	Minimum capacity			%	25	50	22	19	18	16	25	14	22	20
EER					3.197	3.189	3.245	3.126	3.088	3.189	3.242	3.368	3.285	3.203
IPLV					5.126	4.907	5.002	5.051	4.895	4.977	5.068	5.091	5.117	5.109
Dimensions	Unit	Height		mm	2,535									
		Width		mm	2,238									
		Depth		mm	9,088	2,514	3,594			4,674		5,754		
Weight	Unit			kg	6,251	1,963	2,466	2,585	2,657	3,169	3,359	3,804	3,916	4,024
	Operation weight			kg	6,350	1,986	2,489	2,610	2,693	3,205	3,419	3,864	3,979	4,084
Air heat exchanger	Type				Microchannel									
Compressor	Type				Scroll compressor									
	Quantity				8	2	3		4			5		
Fan	Type				Direct propeller									
	Quantity				16	4	6			8		10		
	Air flow rate	Cooling	Nom.	l/s	101,980	25,490	38,240			50,980		63,730		
Sound power level	Cooling	Nom.		dBA	99.5	93.5	94.8	95.3	95.1	96.1	96.5	96.9	97.2	97.5
Sound pressure level	Cooling	Nom.		dBA	77.6	74.4	75.1	75.6	75.4	75.9	76.3	76.2	76.5	76.8
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~52									
Refrigerant	Type/GWP				R-32/675									
	Charge			kg	75.0	44.0	50.0	55.0	30.5	35.0	39.5	42.0	45.0	49.0
	Circuits	Quantity			2		1		2					
Piping connections	Evaporator water inlet/outlet (OD)				139.7mm		88.9mm				139.7mm			
Unit	Starting current	Max		A	1,240	647	703	746	750	803	845	858	901	944
	Running current	Cooling	Nom.	A	567	142	181	212	223	252	284	292	323	354
		Max		A	792	199	255	298	302	355	397	410	453	496
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400									

Cooling Only				EWAT	720B-XSC2	760B-XSC2	830B-XSC2	880B-XSC2
Space cooling	A Condition 35°C	Pdc		kW	716.56	762.50	834.45	880.39
		ηs,c		%	193.9	194.2	193.8	193.5
SEER					4.923	4.930	4.920	4.913
Cooling capacity	Nom.			kW	716.56	762.50	834.45	880.39
Power input	Cooling	Nom.		kW	218.1	236.9	257.3	276.1
Capacity control	Method				Step			
	Minimum capacity			%	18	17	15	14
EER					3.285	3.219	3.243	3.189
IPLV					5.141	5.165	5.130	5.146
Dimensions	Unit	Height		mm	2,535			
		Width		mm	2,238			
		Depth		mm	6,834		8,008	
Weight	Unit			kg	4,565	4,673	5,442	5,551
	Operation weight			kg	4,642	4,750	5,519	5,628
Air heat exchanger	Type				Microchannel			
Compressor	Type				Scroll compressor			
	Quantity				6		7	
Fan	Type				Direct propeller			
	Quantity				12		14	
	Air flow rate	Cooling	Nom.	l/s	76,480		89,230	
Sound power level	Cooling	Nom.		dBA	98.0	98.3	98.7	98.9
Sound pressure level	Cooling	Nom.		dBA	76.9	77.1	77.2	77.4
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~52			
Refrigerant	Type/GWP				R-32/675			
	Charge			kg	55.0	57.5	62.5	67.0
	Circuits	Quantity			2			
Piping connections	Evaporator water inlet/outlet (OD)				139.7mm			
Unit	Starting current	Max		A	999	1,042	1,142	
	Running current	Cooling	Nom.	A	394	425	464	495
		Max		A	551	594	694	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400			

Air cooled scroll compressor chiller Gold efficiency Standard sound

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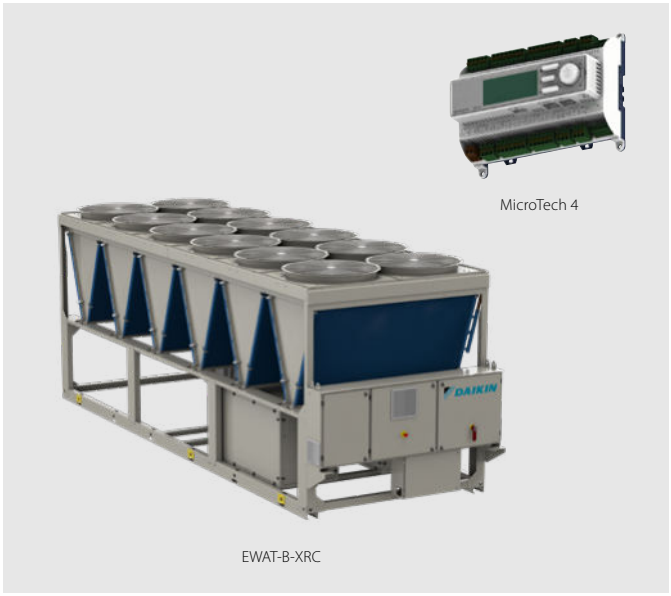
› Microchannel coils;
› Performance monitoring;
› New Daikin MicroTech 4 controller.

More details and final information can be found by scanning or clicking the QR codes. EWAT-B-XRC



Cooling Only				EWAT	10B-XRC2	250B-XRC1	320B-XRC1	370B-XRC1	390B-XRC2	450B-XRC2	510B-XRC2	540B-XRC2	590B-XRC2	630B-XRC2
Space cooling	A Condition 35°C	Pdc		kW	965.50	241.40	313.20	355.68	370.32	431.43	489.48	520.68	563.54	603.94
	ηs,c			%	206.2	195.6	204.4	202.6	196.2	203.3	201.3	208.2	207.8	206.5
SEER					5.229	4.965	5.186	5.140	4.979	5.158	5.108	5.279	5.270	5.237
Cooling capacity	Nom.			kW	965.50	241.40	313.20	355.68	370.32	431.43	489.48	520.68	563.54	603.94
Power input	Cooling	Nom.		kW	323.5	81.1	99.9	121.4	129.1	141.4	162.1	159.6	180.7	202.0
Capacity control	Method				Step									
	Minimum capacity			%	25	50	22	19	18	16	25	14	22	20
EER					2.985	2.977	3.135	2.929	2.869	3.052	3.019	3.262	3.119	2.990
IPLV					5.576	5.340	5.525	5.487	5.317	5.446	5.528	5.630	5.620	5.601
Dimensions	Unit	Height		mm	2,535									
		Width		mm	2,238									
		Depth		mm	9,090	2,510	53,600	3,590		4,670		5,750		
Weight	Unit			kg	6,450	2,020	2,550	2,670	2,740	3,290	3,480	3,940	4,060	4,160
	Operation weight			kg	6,549	2,045	2,577	2,698	2,780	3,324	3,538	4,003	4,115	4,223
Air heat exchanger	Type				Microchannel									
Compressor	Type				Scroll compressor									
	Quantity				8	2	3		4			5		
Fan	Type				Direct propeller									
	Quantity				16	4	6			8		10		
	Air flow rate	Cooling	Nom.	l/s	75,600	18,900	28,350			37,800		47,250		
Sound power level	Cooling	Nom.		dBA	90.0	84.0	85.4	85.7	85.6	86.8	87.0	87.6	87.8	87.9
Sound pressure level	Cooling	Nom.		dBA	68.1	64.9	65.7	66.0	65.9	66.5	66.7	66.9	67.1	67.2
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~52									
Refrigerant	Type/GWP				R-32/675									
	Charge			kg	75.0	44.0	50.0	55.0	30.5		39.5	42.0	45.0	49.0
	Circuits	Quantity			2	1			2					
Piping connections	Evaporator water inlet/outlet (OD)				139.7mm	88.9mm					139.7mm			
Unit	Starting current	Max		A	1,240	647	703	746	750	803	845	858	901	944
	Running current	Cooling	Nom.	A	570	143	178	213	225	249	286	287	322	356
		Max		A	792	199	255	298	302	355	397	410	453	496
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400									

Cooling Only				EWAT	720B-XRC2	760B-XRC2	830B-XRC2	880B-XRC2
Space cooling	A Condition 35°C	Pdc		kW	687.57	728.98	800.94	842.34
	ηs,c			%	208.6	207.0	210.0	208.8
SEER					5.291	5.249	5.324	5.294
Cooling capacity	Nom.			kW	687.57	729.00	800.94	842.34
Power input	Cooling	Nom.		kW	221.3	242.8	261.1	282.2
Capacity control	Method				Step			
	Minimum capacity			%	18	17	15	14
EER					3.107	3.003	3.067	2.979
IPLV					5.649	5.605	5.613	5.605
Dimensions	Unit	Height		mm	2,535			
		Width		mm	2,238			
		Depth		mm	6,830		8,010	
Weight	Unit			kg	4,720	4,830	5,620	5,730
	Operation weight			kg	4,801	4,909	5,697	5,806
Air heat exchanger	Type				Microchannel			
Compressor	Type				Scroll compressor			
	Quantity				6		7	
Fan	Type				Direct propeller			
	Quantity				12		14	
	Air flow rate	Cooling	Nom.	l/s	56,700		66,150	
Sound power level	Cooling	Nom.		dBA	88.6	88.7	89.3	89.4
Sound pressure level	Cooling	Nom.		dBA	67.5	67.6	67.7	67.8
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~52			
Refrigerant	Type/GWP				R-32/675			
	Charge			kg	55.0	57.5	62.5	67.0
	Circuits	Quantity			2			
Piping connections	Evaporator water inlet/outlet (OD)				139.7mm			
Unit	Starting current	Max		A	999	1,042	1,142	
	Running current	Cooling	Nom.	A	393	428	463	498
		Max		A	551	594	694	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400			

Air cooled scroll compressor chiller with integrated free cooling Gold efficiency Standard sound

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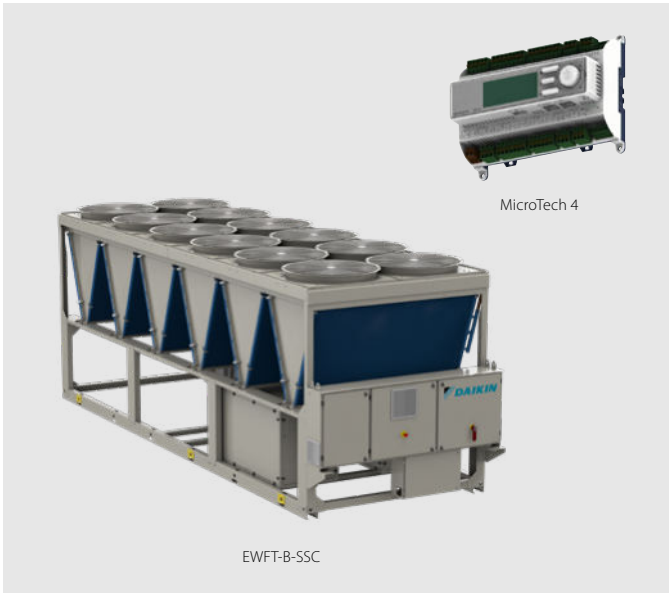

More details and final information can be found by scanning or clicking the QR codes. EWFT-B-SSC

Cooling Only				EWFT	310B-SSC1	320B-SSC2	350B-SSC1	380B-SSC2	430B-SSC2	480B-SSC2	570B-SSC2	620B-SSC2	670B-SSC2	730B-SSC2
SEER					4.833	4.546	4.641	4.688	4.73	4.742	4.921	4.879	4.815	5.014
Cooling capacity	Nom.			kW	395.2	351.7	439.1	499.3	493.6	553.8	738.6	803.5	749.6	843.7
Power input	Cooling	Nom.		kW	121.6	95.91	151.7	138.4	131.3	164.2	211	245.1	211.9	220.9
Capacity control	Method				Step									
	Minimum capacity			%	39	21	33	18	16	14	22	20	18	17
EER					3.25	3.667	2.894	3.608	3.76	3.373	3.501	3.278	3.538	3.819
IPLV					5.259	4.869	5.080	5.078	5.086	5.122	5.284	5.275	5.241	5.392
Dimensions	Unit	Height		mm	2,535									
		Width		mm	2,238									
		Depth		mm		2,514		3,594				4,674		5,754
Weight	Unit			kg	2,245	2,288	2,373	2,852	3,012	3,155	3,774	3,953	4,056	4,667
	Operation weight			kg	2,388	2,436	2,521	3,023	3,198	3,341	4,044	4,223	4,343	5,054
Air heat exchanger	Type				Microchannel									
Compressor	Type				Scroll compressor									
	Quantity				3	4	3	4		5		6		
Fan	Type				Direct propeller									
	Quantity					4		6				8		10
	Air flow rate	Cooling	Nom.	l/s		22,510		33,765				45,020		56,275
Sound power level	Cooling	Nom.		dBA	94	93.8	94.5	95.1	95.6	95.9	96.7	97	97.3	97.9
Sound pressure level	Cooling	Nom.		dBA	74.9	74.7	75.5	75.4	75.9	76.2	76.5	76.7	77.0	77.2
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46									
Refrigerant	Type/GWP				R-32/675.0									
	Charge			kg	22.0	25.0	30.0	31.0	35.0	39.0	45.0	50.0	53	59.0
	Circuits	Quantity			1	2	1				2			
Piping connections	Evaporator water inlet/outlet (OD)				88.9						139.7			
Unit	Starting current	Max		A	693	697	735	750	792	838	891	936	979	1,032
	Running current	Cooling	Nom.	A	216.2	174.1	264.3	252.3	240.2	294.4	378.9	435	380.3	403.2
		Max		A	245	249	287	302	344	390	443	488	531	584
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400									

Cooling Only				EWFT	790B-SSC2	860B-SSC2	960B-SSC2
SEER					5.049	5.076	4.93
Cooling capacity	Nom.			kW	1,018	1,112	1,235
Power input	Cooling	Nom.		kW	316.1	325.1	387.5
Capacity control	Method				Step		
	Minimum capacity			%	15	14	25
EER					3.222	3.422	3.188
IPLV					5.307	5.381	5.312
Dimensions	Unit	Height		mm	2,535		
		Width		mm	2,238		
		Depth		mm	5,848	6,928	
Weight	Unit			kg	5,035	5,546	5,860
	Operation weight			kg	5,422	5,975	6,311
Air heat exchanger	Type				Microchannel		
Compressor	Type				Scroll compressor		
	Quantity				7		8
Fan	Type				Direct propeller		
	Quantity				10	12	
	Air flow rate	Cooling	Nom.	l/s	56,275	67,530	
Sound power level	Cooling	Nom.		dBA	98.1	98.6	99
Sound pressure level	Cooling	Nom.		dBA	77.4	77.5	77.8
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg	63.0	68.0	77.0
	Circuits	Quantity			2		
Piping connections	Evaporator water inlet/outlet (OD)				139.7		
Unit	Starting current	Max		A	1,079	1,132	1,220
	Running current	Cooling	Nom.	A	559	581.8	683.6
		Max		A	631	684	772
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400		

Performances according to Chiller Configurator 1.4 software | Cooling: entering evaporator water temp. 26°C; leaving evaporator water temp. 18°C; ambient air temp. 35°C; ethylene glycol fluid 25%; full load operation.

Air cooled scroll compressor chiller with integrated free cooling Gold efficiency Standard sound

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- Glycol free option;
- New Daikin MicroTech 4 controller.

EWFT-B-SRC

More details and final information can be found by scanning or clicking the QR codes. EWFT-B-SRC

Cooling Only				EWFT	310B-SRC1	320B-SRC2	350B-SRC1	380B-SRC2	430B-SRC2	480B-SRC2	570B-SRC2	620B-SRC2	670B-SRC2	730B-SRC2
SEER					4.778	4.329	4.602	4.713	4.715	4.662	4.899	4.823	4.782	4.972
Cooling capacity	Nom.			kW	395.2	408.4	439.1	480.6	544.2	598.2	725	762.6	851.4	947.6
Power input	Cooling	Nom.		kW	121.6	131.1	151.7	143.7	167.5	204.3	214.2	259.3	277.4	283.4
Capacity control	Method				Step									
	Minimum capacity			%	39	21	33	18	16	14	22	20	18	17
EER					3.25	3.115	2.894	3.344	3.249	2.928	3.385	2.941	3.069	3.344
IPLV					5.281	4.858	5.084	5.074	5.096	5.148	5.329	5.347	5.309	5.414
Dimensions	Unit	Height		mm	2,535									
		Width		mm	2,238									
		Depth		mm	2,514			3,594			4,674			5,754
Weight	Unit			kg	2,336	2,379	2,464	2,942	3,134	3,298	3,917	4,116	4,219	4,830
	Operation weight			kg	2,479	2,527	2,612	3,113	3,320	3,484	4,187	4,386	4,506	5,217
Air heat exchanger	Type				Microchannel									
Compressor	Type				Scroll compressor									
	Quantity				3	4	3	4		5		6		
Fan	Type				Direct propeller									
	Quantity				4			6			8			10
	Air flow rate	Cooling	Nom.	l/s	22,510			33,765			45,020			56,275
Sound power level	Cooling	Nom.		dBA	87.9	87.8	88.1	89.5	89.6	89.7	90.8	90.9	91	91.9
Sound pressure level	Cooling	Nom.		dBA	68.8		69.0	69.8	69.9	70.0	70.6	70.7	70.8	71.2
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46									
Refrigerant	Type/GWP				R-32/675									
	Charge			kg	22.0	25.0	30.0	31.0	35.0	39.0	45.0	50.0	53.0	59.0
	Circuits	Quantity			1	2	1				2			
Piping connections	Evaporator water inlet/outlet (OD)				88.9						139.7			
Unit	Starting current	Max		A	693	697	735	750	792	838	891	936	979	1,032
	Running current	Cooling	Nom.	A	229.6	243.8	277.7	266.8	312.2	372.3	401.2	464.7	509.7	529.5
		Max		A	245	249	287	302	344	390	443	488	531	584
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400									

Cooling Only				EWFT	790B-SRC2	860B-SRC2	960B-SRC2
SEER					4.984	5.057	4.883
Cooling capacity	Nom.			kW	970.4	1,093	1,170
Power input	Cooling	Nom.		kW	335.4	329.9	409.7
Capacity control	Method				Step		
	Minimum capacity			%	15	14	25
EER					2.893	3.312	2.856
IPLV					5.271	5.399	5.300
Dimensions	Unit	Height		mm	2,535		
		Width		mm	2,238		
		Depth		mm	5,848	6,928	
Weight	Unit			kg	5,220	5,730	6,065
	Operation weight			kg	5,607	6,159	6,516
Air heat exchanger	Type				Microchannel		
Compressor	Type				Scroll compressor		
	Quantity				7		8
Fan	Type				Direct propeller		
	Quantity				10	12	
	Air flow rate	Cooling	Nom.	l/s	56,275	67,530	
Sound power level	Cooling	Nom.		dBA	91.9	92.6	92.7
Sound pressure level	Cooling	Nom.		dBA	71.2	71.5	71.6
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46		
Refrigerant	Type/GWP				R-32/675		
	Charge			kg	63.0	68.0	77.0
	Circuits	Quantity			2		
Piping connections	Evaporator water inlet/outlet (OD)				139.7		
Unit	Starting current	Max		A	1,078	1,131	1,219
	Running current	Cooling	Nom.	A	597.9	615.2	727.8
		Max		A	630	683	771
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400		

Performances according to Chiller Configurator 1.4 software | Cooling: entering evaporator water temp. 26°C; leaving evaporator water temp. 18°C; ambient air temp. 35°C; ethylene glycol fluid 25%; full load operation.

Air cooled scroll compressor chiller with integrated free cooling Gold efficiency Standard sound

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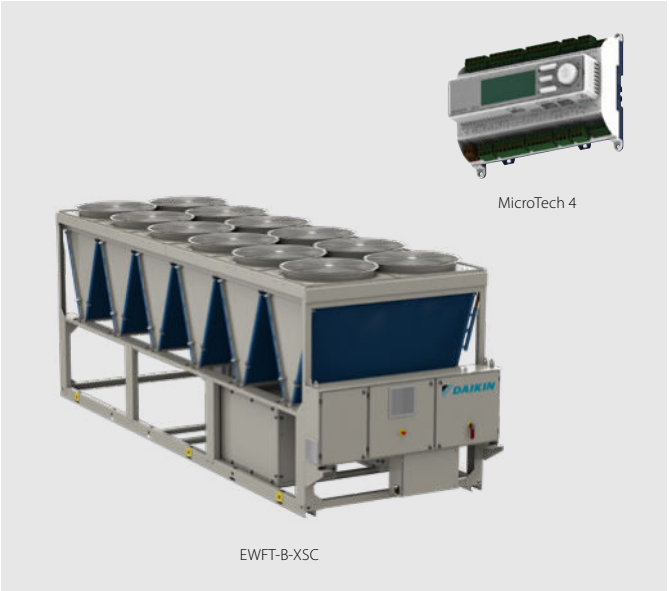

More details and final information can be found by scanning or clicking the QR codes.

EWFT-B-XSC

Cooling Only				EWFT	10B-XSC2	250B-XSC1	320B-XSC1	370B-XSC1	390B-XSC2	450B-XSC2	510B-XSC2	540B-XSC2	590B-XSC2	630B-XSC2
SEER					5.189	4.723	5.186	5.011	4.74	4.957	4.911	5.213	5.141	5.131
Cooling capacity	Nom.			kW	1,326	331.9	429.6	487.6	508.5	591.6	673.7	716.2	774.8	829.5
Power input	Cooling	Nom.		kW	351.7	87.99	108.4	131	139.3	152.6	176.8	175.2	197.5	219.9
Capacity control	Method				Step									
	Minimum capacity			%	25	50	39	33	18	16	25	14	22	20
EER					3.77	3.772	3.963	3.722	3.65	3.877	3.81	4.088	3.923	3.772
IPLV					5.514	5.185	5.518	5.366	5.122	5.326	5.322	5.623	5.546	5.509
Dimensions	Unit	Height		mm	2,535									
		Width		mm	2,238									
		Depth		mm	9,088	2,514	3,594			4,674		5,754		
Weight	Unit			kg	6,792	2,129	2,678	2,800	2,885	3,420	3,634	4,150	4,266	4,377
	Operation weight			kg	7,331	2,272	2,851	2,975	3,064	3,658	3,904	4,520	4,636	4,747
Air heat exchanger	Type				Microchannel									
Compressor	Type				Scroll compressor									
	Quantity				8	2	3		4			5		
Fan	Type				Direct propeller									
	Quantity				16	4	6			8		10		
	Air flow rate	Cooling	Nom.	l/s	90,040	22,510	33,765			45,020		56,275		
Sound power level	Cooling	Nom.		dBA	99.5	93.5	94.8	95.3	95.1	96.1	96.5	96.9	97.2	97.5
Sound pressure level	Cooling	Nom.		dBA	77.6	74.4	75.1	75.6	75.4	75.9	76.3	76.2	76.5	76.8
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46									
Refrigerant	Type/GWP				R-32/675									
	Charge			kg	90.0	26.0	30.0	33.0	37.0	42.0	47.0	50.0	54.0	58.0
	Circuits	Quantity			2	1			2					
Piping connections	Evaporator water inlet/outlet (OD)				139.7	88.9					139.7			
Unit	Starting current	Max		A	1,240	647	703	746	750	803	845	858	901	944
	Running current	Cooling	Nom.	A	642.5	160.7	202.1	239.6	253.6	282.7	322.7	327.1	364.3	401.6
		Max		A	792	199	255	298	302	355	397	410	453	496
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400									

Cooling Only				EWFT	720B-XSC2	760B-XSC2	830B-XSC2	880B-XSC2
SEER					5.219	5.193	5.251	5.243
Cooling capacity	Nom.			kW	945.8	1,002	1,100	1,156
Power input	Cooling	Nom.		kW	241.8	264.5	284.6	307.3
Capacity control	Method				Step			
	Minimum capacity			%	18	17	15	14
EER					3.912	3.789	3.865	3.763
IPLV					5.570	5.518	5.553	5.519
Dimensions	Unit	Height		mm	2,535			
		Width		mm	2,238			
		Depth		mm	6,834		8,008	
Weight	Unit			kg	4,975	5,086	5,879	5,991
	Operation weight			kg	5,404	5,515	6,352	6,464
Air heat exchanger	Type				Microchannel			
Compressor	Type				Scroll compressor			
	Quantity				6		7	
Fan	Type				Direct propeller			
	Quantity				12		14	
	Air flow rate	Cooling	Nom.	l/s	67,530		78,785	
Sound power level	Cooling	Nom.		dBA	98	98.3	98.7	98.9
Sound pressure level	Cooling	Nom.		dBA	76.9	77.1	77.2	77.4
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46			
Refrigerant	Type/GWP				R-32/675			
	Charge			kg	66.0	69.0	75.0	80.0
	Circuits	Quantity			2			
Piping connections	Evaporator water inlet/outlet (OD)				139.7			
Unit	Starting current	Max		A	999	1,042	1,142	
	Running current	Cooling	Nom.	A	445.1	482.9	523.9	561.6
		Max		A	551	594	694	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400			

Performances according to Chiller Configurator 1.4 software | Cooling: entering evaporator water temp. 26°C; leaving evaporator water temp. 18°C; ambient air temp. 35°C; ethylene glycol fluid 25%; full load operation.

Air cooled scroll compressor chiller with integrated free cooling Gold efficiency Standard sound

- R32 refrigerant;
- Nominal capacity up to 1,000 kW;
- Scroll compressors;
- Top class efficiency both at full and part load conditions;
- Best capacity with smallest footprint;
- Microchannel coils;
- Glycol free option;
- New Daikin MicroTech 4 controller.

EWFT-B-XRC

More details and final information can be found by scanning or clicking the QR codes. EWFT-B-XRC

Cooling Only				EWFT	10B-XRC2	250B-XRC1	320B-XRC1	370B-XRC1	390B-XRC2	450B-XRC2	510B-XRC2	540B-XRC2	590B-XRC2	630B-XRC2
SEER					5.14	4.7	5.144	5.025	4.70	5.002	4.833	5.214	5.167	5.064
Cooling capacity	Nom.			kW	1,224	306.4	403.9	451.4	484.7	553.5	620.5	673.3	721.2	765.7
Power input	Cooling	Nom.		kW	383.2	95.79	114.4	142.5	146.9	162.7	192.9	184.1	211.7	239.6
Capacity control	Method				Step									
	Minimum capacity			%	25	50	39	33	18	16	25	14	22	20
EER					3.195	3.198	3.531	3.168	3.3	3.402	3.217	3.657	3.407	3.196
IPLV					5.568	5.118	5.587	5.431	5.094	5.373	5.305	5.650	5.567	5.515
Dimensions	Unit	Height		mm	2,535									
		Width		mm	2,238									
		Depth		mm	9,088	2,514	3,594			4,674		5,754		
Weight	Unit			kg	6,997	2,189	2,768	2,891	2,975	3,543	3,757	4,293	4,409	4,520
	Operation weight			kg	7,536	2,332	2,941	3,066	3,154	3,781	4,027	4,663	4,779	4,890
Air heat exchanger	Type				Microchannel									
Compressor	Type				Scroll compressor									
	Quantity				8	2	3		4			5		
Fan	Type				Direct propeller									
	Quantity				16	4	6			8		10		
	Air flow rate	Cooling	Nom.	l/s	90,040	22,510	33,765			45,020		56,275		
Sound power level	Cooling	Nom.		dBA	90	84	85.4	85.7	85.6	86.8	87	87.6	87.8	87.9
Sound pressure level	Cooling	Nom.		dBA	68.1	64.9	65.7	66.0	65.9	66.5	66.7	66.9	67.1	67.2
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46									
Refrigerant	Type				R-32									
	Charge			kg	90.0	26.0	30.0	33.0	37.0	42.0	47.0	50.0	54.0	58.0
	Circuits	Quantity			2	1			2					
Piping connections	Evaporator water inlet/outlet (OD)				139.7	88.9					139.7			
Unit	Starting current	Max		A	1,240	647	703	746	750	803	845	858	901	944
	Running current	Cooling	Nom.	A	712.9	178.3	220.3	265.6	285.1	309.9	358.4	356	400.7	445.7
		Max		A	792	199	255	298	302	355	397	410	453	496
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400									

Cooling Only				EWFT	720B-XRC2	760B-XRC2	830B-XRC2	880B-XRC2
SEER					5.159	5.121	5.293	5.181
Cooling capacity	Nom.			kW	878.7	924.2	1,023	1,068
Power input	Cooling	Nom.		kW	260.1	288.3	306.6	334.8
Capacity control	Method				Step			
	Minimum capacity			%	18	17	15	14
EER					3.378	3.206	3.335	3.19
IPLV					5.620	5.549	5.598	5.563
Dimensions	Unit	Height		mm	2,535			
		Width		mm	2,238			
		Depth		mm	6,834		8,008	
Weight	Unit			kg	5,139	5,250	6,062	6,174
	Operation weight			kg	5,568	5,679	6,535	6,647
Air heat exchanger	Type				Microchannel			
Compressor	Type				Scroll compressor			
	Quantity				6		7	
Fan	Type				Direct propeller			
	Quantity				12		14	
	Air flow rate	Cooling	Nom.	l/s	67,530		78,785	
Sound power level	Cooling	Nom.		dBA	88.6	88.7	89.3	89.4
Sound pressure level	Cooling	Nom.		dBA	67.5	67.6	67.7	67.8
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20 ~46			
Refrigerant	Type				R-32			
	Charge			kg	66.0	69.0	75.0	80.0
	Circuits	Quantity			2			
Piping connections	Evaporator water inlet/outlet (OD)				139.7			
Unit	Starting current	Max		A	999	1,042	1,142	
	Running current	Cooling	Nom.	A	490.5	536.1	577.5	623.1
		Max		A	551	594	694	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400			

Performances according to Chiller Configurator 1.4 software | Cooling: entering evaporator water temp. 26°C; leaving evaporator water temp. 18°C; ambient air temp. 35°C; ethylene glycol fluid 25%; full load operation.

Air cooled mini inverter heat pump

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- Separate MMI-2 controller for indoor installation

EW(A-Y)A004-008DV3P_R

More details and final information can be found by scanning or clicking the QR codes.

EWYA-DV3P

Heating & Cooling				EWYA-D	004DV3P	006DV3P	008DV3P
Space cooling	A Condition Pdc 35°C			kW		-	
	ηs,c			%		-	
SEER						-	
Space heating	Average climate water outlet 35°C	General	SCOP		4.54	4.52	4.61
			Seasonal space heating eff. class			A+++	
Cooling capacity	Nom.			kW	4.86(1)/4.52(2)	5.83(1)/5.09(2)	6.18(1)/5.44(2)
Heating capacity	Nom.			kW	4.30(1)/4.60(2)	6.00(1)/5.90(2)	7.50(1)/7.80(2)
Power input	Cooling	Nom.		kW	0.820(1)/1.36(2)	1.08(1)/1.55(2)	1.19(1)/1.73(2)
	Heating	Nom.		kW	0.840(1)/1.26(2)	1.24(1)/1.69(2)	1.63(1)/2.23(2)
Capacity control	Method					Variable (inverter)	
EER					5.91(1)/3.32(2)	5.40(1)/3.28(2)	5.19(1)/3.14(2)
COP					5.10(1)/3.65(2)	4.85(1)/3.50(2)	4.60(1)/3.50(2)
Dimensions	Unit	Height		mm		770	
		Width		mm		1,250	
		Depth		mm		362	
Weight	Unit			kg		88.0	
Water heat exchanger	Type					Plate heat exchanger	
	Water volume			l		1	
Air heat exchanger	Type					-	
Compressor	Type					Hermetically sealed swing compressor	
	Quantity					1	
Fan	Type					Propeller fan	
	Quantity					1	
	Air flow rate	Cooling	Nom.	m^3/min		-	
		Heating	Nom.	m^3/min		-	
Sound power level	Cooling	Nom.		dBA	61.0(1)	62.0(1)	
	Heating	Nom.		dBA	58.0(1)	60.0(1)	62.0(1)
Sound pressure level	Cooling	Nom.		dBA	48.0(1)	49.0(1)	50.0(1)
	Heating	Nom.		dBA	44.0(1)	47.0(1)	49.0(1)
Operation range	Air side	Cooling	Min.~Max.	°CDB		10(3)~43	
		Heating	Min.~Max.	°CDB		-25~25	
Refrigerant	Type/GWP					R-32/675.0	
	Charge			kg		1.35	
	Control					-	
	Circuits	Quantity				-	
Refrigerant charge	Per circuit			kg		-	
Unit	Running current	Max		A		-	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50 /230 +/-10%	

(1)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3)For more details, see operation range drawing | (4)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (6)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (7)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | (8)According to EN14825 | Depends on operation mode, refer to installation manual.

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Air cooled mini inverter heat pump

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EWAA-EWYA-D_R

More details and final information can be found by scanning or clicking the QR codes.

EWYA-DV3P

Heating & Cooling				EWYA-D	009DV3P	011DV3P	014DV3P	016DV3P
Space cooling	A Condition 35°C	Pdc		kW	9.35	11.6	12.8	14.0
		ηs,c		%	222	229	226	221
SEER					5.62(8)	5.79(8)	5.71(8)	5.59(8)
Space heating	Average climate water outlet 35°C	General	SCOP		4.82	4.73	4.70	4.69
			Seasonal space heating eff. class		A+++			
Cooling capacity	Nom.			kW	9.35(4)/9.10(5)	11.6(4)/11.5(5)	12.8(4)/12.7(5)	14.0(4)/15.3(5)
Heating capacity	Nom.			kW	9.37(6)/9.00(7)	10.6(6)/9.82(7)	12.0(6)/12.5(7)	16.0(6)/16.0(7)
Power input	Cooling	Nom.		kW	2.79(4)/1.71(5)	3.56(4)/2.17(5)	4.06(4)/2.51(5)	4.58(4)/3.24(5)
	Heating	Nom.		kW	1.91(6)/2.43(7)	2.18(6)/2.68(7)	2.46(6)/3.42(7)	3.53(6)/4.56(7)
Capacity control	Method				Variable (inverter)			
EER					3.35(4)/5.34(5)	3.26(4)/5.31(5)	3.16(4)/5.04(5)	3.06(4)/4.74(5)
COP					4.91(6)/3.71(7)	4.83(6)/3.66(7)	4.87(6)/3.64(7)	4.53(6)/3.51(7)
Dimensions	Unit	Height		mm	870			
		Width		mm	1,380			
		Depth		mm	460			
Weight	Unit			kg	147			
Water heat exchanger	Type				Plate heat exchanger			
	Water volume			l	2			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing inverter compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	63	70	85	
		Heating	Nom.	m^3/min	48.0	55.8	70.4	85.0
Sound power level	Cooling	Nom.		dBA	65.5	67.0	69.0	
	Heating	Nom.		dBA	-			
Sound pressure level	Cooling	Nom.		dBA	44.0	47.7	50.8	51.0
	Heating	Nom.		dBA	-			
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43			
		Heating	Min.~Max.	°CDB	-25~25			
Refrigerant	Type/GWP				R-32/675.0			
	Charge			kg	-			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3.80			
Unit	Running current	Max		A	30.8			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /230			

(1)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3)For more details, see operation range drawing | (4)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (6)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (7)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | (8)According to EN14825 | Depends on operation mode, refer to installation manual.

Air cooled mini inverter heat pump

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EWAA-EWYA-D_R

More details and final information can be found by scanning or clicking the QR codes.

EWYA-DW1P

Heating & Cooling				EWYA-D	009DW1P	011DW1P	014DW1P	016DW1P
Space cooling	A Condition 35°C	Pdc		kW	9.35	11.6	12.8	14.0
		ηs,c		%	222	229	226	221
SEER					5.62(5)	5.79(5)	5.71(5)	5.59(5)
Space heating	Average climate water outlet 35°C	General	SCOP		4.82	4.73	4.70	4.69
			Seasonal space heating eff. class		A+++			
Cooling capacity	Nom.			kW	9.35(1)/9.10(2)	11.6(1)/11.5(2)	12.8(1)/12.7(2)	14.0(1)/15.3(2)
Heating capacity	Nom.			kW	9.37(3)/9.00(4)	10.6(3)/9.82(4)	12.0(3)/12.5(4)	16.0(3)/16.0(4)
Power input	Cooling	Nom.		kW	2.79(1)/1.71(2)	3.56(1)/2.17(2)	4.06(1)/2.51(2)	4.58(1)/3.24(2)
	Heating	Nom.		kW	1.91(3)/2.43(4)	2.18(3)/2.68(4)	2.46(3)/3.42(4)	3.53(3)/4.56(4)
Capacity control	Method				Variable (inverter)			
EER					3.35(1)/5.34(2)	3.26(1)/5.31(2)	3.16(1)/5.04(2)	3.06(1)/4.74(2)
COP					4.91(3)/3.71(4)	4.83(3)/3.66(4)	4.87(3)/3.64(4)	4.53(3)/3.51(4)
Dimensions	Unit	Height		mm	870			
		Width		mm	1,380			
		Depth		mm	460			
Weight	Unit			kg	147			
Water heat exchanger	Type				Plate heat exchanger			
	Water volume			l	2			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing inverter compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	63	70	85	
		Heating	Nom.	m^3/min	48.0	55.8	70.4	85.0
Sound power level	Cooling	Nom.		dBA	65.5	67.0	69.0	
Sound pressure level	Cooling	Nom.		dBA	44.0	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10 ~43			
		Heating	Min.~Max.	°CDB	-25 ~25			
	Water side	Cooling	Min.~Max.	°CDB	5 ~22			
		Heating	Min.~Max.	°CDB	9 (6)~60 (6)			
Refrigerant	Type/GWP				R-32/675.0			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3.80			
				TCO2Eq	2.6			
Unit	Running current	Max		A	14.0			
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400			

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (3)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | (5)According to EN14825 | (6)For more details, see operation range drawing | Depends on operation mode, refer to installation manual.

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Air cooled mini inverter heat pump

EWAA-EWYA-D_R

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EWYA-DW1P-H-

Heating & Cooling				EWYA-D	009DW1P-H-	011DW1P-H-	014DW1P-H-	016DW1P-H-
Space cooling	A Condition Pdc 35°C			kW	9.35	11.6	12.8	14.0
	ηs,c			%	222	229	226	221
SEER					5.62(5)	5.79(5)	5.71(5)	5.59(5)
Space heating	Average climate water outlet 35°C	General	SCOP		4.82	4.73	4.70	4.69
			Seasonal space heating eff. class		A+++			
Cooling capacity	Nom.			kW	9.35(1)/9.10(2)	11.6(1)/11.5(2)	12.8(1)/12.7(2)	14.0(1)/15.3(2)
Heating capacity	Nom.			kW	9.37(3)/9.00(4)	10.6(3)/9.82(4)	12.0(3)/12.5(4)	16.0(3)/16.0(4)
Power input	Cooling	Nom.		kW	2.79(1)/1.71(2)	3.56(1)/2.17(2)	4.06(1)/2.51(2)	4.58(1)/3.24(2)
	Heating	Nom.		kW	1.91(3)/2.43(4)	2.18(3)/2.68(4)	2.46(3)/3.42(4)	3.53(3)/4.56(4)
Capacity control	Method				Variable (inverter)			
EER					3.35(1)/5.34(2)	3.26(1)/5.31(2)	3.16(1)/5.04(2)	3.06(1)/4.74(2)
COP					4.91(3)/3.71(4)	4.83(3)/3.66(4)	4.87(3)/3.64(4)	4.53(3)/3.51(4)
Dimensions	Unit	Height		mm	870			
		Width		mm	1,380			
		Depth		mm	460			
Weight	Unit			kg	147			
Water heat exchanger	Type				Plate heat exchanger			
	Water volume			l	2			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing inverter compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	63	70	85	
		Heating	Nom.	m^3/min	48.0	55.8	70.4	85.0
Sound power level	Cooling	Nom.		dBA	65.5	67.0	69.0	
Sound pressure level	Cooling	Nom.		dBA	44.0	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10 ~43			
		Heating	Min.~Max.	°CDB	-25 ~25			
	Water side	Cooling	Min.~Max.	°CDB	5 ~22			
		Heating	Min.~Max.	°CDB	9 (6)~60 (6)			
Refrigerant	Type/GWP				R-32/675.0			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3.80			
				TCO2Eq	2.6			
Unit	Running current	Max		A	14.0			
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400			

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (3)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | (5)According to EN14825 | (6)For more details, see operation range drawing | Depends on operation mode, refer to installation manual.

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EW(A-Y)A004-008DV3P-H_R

More details and final information can be found by scanning or clicking the QR codes.

EWYA-DV3P-H-

Heating & Cooling				EWYA-D	004DV3P-H	006DV3P-H	008DV3P-H	009DV3P-H-	011DV3P-H-	014DV3P-H-	016DV3P-H-
Space cooling	A Condition 35°C Pdc			kW		-		9.35	11.6	12.8	14.0
	ηs,c			%		-		222	229	226	221
SEER						-		5.62(8)	5.79(8)	5.71(8)	5.59(8)
Space heating	Average climate water outlet 35°C	General	SCOP		4.54	4.52	4.61	4.82	4.73	4.70	4.69
			Seasonal space heating eff. class		A+++						
Cooling capacity	Nom.			kW	4.86(1)/4.52(2)	5.83(1)/5.09(2)	6.18(1)/5.44(2)	9.35(4)/9.10(5)	11.6(4)/11.5(5)	12.8(4)/12.7(5)	14.0(4)/15.3(5)
Heating capacity	Nom.			kW	4.30(1)/4.60(2)	6.00(1)/5.90(2)	7.50(1)/7.80(2)	9.37(6)/9.00(7)	10.6(6)/9.82(7)	12.0(6)/12.5(7)	16.0(6)/16.0(7)
Power input	Cooling	Nom.		kW	0.820(1)/1.36(2)	1.08(1)/1.55(2)	1.19(1)/1.73(2)	2.79(4)/1.71(5)	3.56(4)/2.17(5)	4.06(4)/2.51(5)	4.58(4)/3.24(5)
	Heating	Nom.		kW	0.840(1)/1.26(2)	1.24(1)/1.69(2)	1.63(1)/2.23(2)	1.91(6)/2.43(7)	2.18(6)/2.68(7)	2.46(6)/3.42(7)	3.53(6)/4.56(7)
Capacity control	Method				Variable (inverter)						
EER					5.91(1)/3.32(2)	5.40(1)/3.28(2)	5.19(1)/3.14(2)	3.35(4)/5.34(5)	3.26(4)/5.31(5)	3.16(4)/5.04(5)	3.06(4)/4.74(5)
COP					5.10(1)/3.65(2)	4.85(1)/3.50(2)	4.60(1)/3.50(2)	4.91(6)/3.71(7)	4.83(6)/3.66(7)	4.87(6)/3.64(7)	4.53(6)/3.51(7)
Dimensions	Unit	Height		mm	770			870			
		Width		mm	1,250			1,380			
		Depth		mm	362			460			
Weight	Unit			kg	88.0			147			
Water heat exchanger	Type				Plate heat exchanger						
	Water volume			l	1			2			
Air heat exchanger	Type				-			High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing compressor			Hermetically sealed swing inverter compressor			
	Quantity				1						
Fan	Type				Propeller fan						
	Quantity				1						
	Air flow rate	Cooling	Nom.	m^3/min	-			63	70	85	
		Heating	Nom.	m^3/min	-			48.0	55.8	70.4	85.0
Sound power level	Cooling	Nom.		dBA	61.0(1)	62.0(1)		65.5	67.0	69.0	
	Heating	Nom.		dBA	58.0(1)	60.0(1)	62.0(1)	-			
Sound pressure level	Cooling	Nom.		dBA	48.0(1)	49.0(1)	50.0(1)	44.0	47.7	50.8	51.0
	Heating	Nom.		dBA	44.0(1)	47.0(1)	49.0(1)	-			
Operation range	Air side	Cooling	Min.~Max.	°CDB	10(3)~43			10~43			
		Heating	Min.~Max.	°CDB	-25~25						
Refrigerant	Type/GWP				R-32/675.0						
	Charge			kg	1.35			-			
	Control				-			Electronic expansion valve			
	Circuits	Quantity			-			1			
Refrigerant charge	Per circuit			kg	-			3.80			
Unit	Running current	Max		A	-			30.8			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /230 +/-10%			1~/50 /230			

(1)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3)For more details, see operation range drawing | (4)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (6)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (7)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | (8)According to EN14825 | Depends on operation mode, refer to installation manual.

EWYT-B

Multi scroll heat pumps with R-32 refrigerant

- Top class efficiency, SEER up to 4.92 and SCOP up to 4.06
- Low environmental impact thanks to R-32 refrigerant
- Dedicated Scroll Compressors for hot water production up 60°C
- The Global Warming Potential (GWP) of R-32 refrigerant is 675, which is only one third compared to commonly used refrigerant R-410
- The low GWP R-32 refrigerant falls into category class A2L in ISO817 and it can be safely used in many applications including chilled water systems
- As a single component refrigerant, R-32 is also easier to recycle and reuse another environmental plus in its favour
- Wide capacity range: 80 – 650 kW
- Optimized Copper -Aluminium Coils improving performances and de-frosting operation
- Silver and Gold efficiency versions
- 3 sound configurations
- 2 different layouts: Parallel Coil and Double V Coil
- One or Two independent refrigerant circuits
- Full compatibility with Daikin on Site
- Extensive option lists
- Fan speed modulation option (VFD)

Connectivity

Daikin on Site

Fully compatible with Daikin on Site cloud based platform that allows a number of advanced functionalities including:

› Remote monitoring
› System optimization
› Preventive maintenance
› Remote access with one click via LAN or 4G LTE router

Connection to Intelligent Chiller Manager

Daikin can offer the Intelligent Chiller Manager option, allowing energy optimisation of the system and, when necessary, full customization of the control solutions to the specific installation's needs even in case of more complex installation.

› High number of units
› Cooling and Heating mode
› Peripheral controls

Intelligent Chiller Manager

Layouts & Range overview

Parallel coils

Silver Efficiency	75-193 kW 82-213 kW	1 circuit
Gold Efficiency	80-206 kW 86-218 kW	
Silver Efficiency	189-230 kW 209-256 kW	2 circuits
Gold Efficiency	206-250 kW 215-261 kW	

Double-V coils

Silver Efficiency	270-570 kW 300-627 kW	2 circuits
Gold Efficiency	294-630 kW 306-650 kW	

Extensive option lists Including new options:

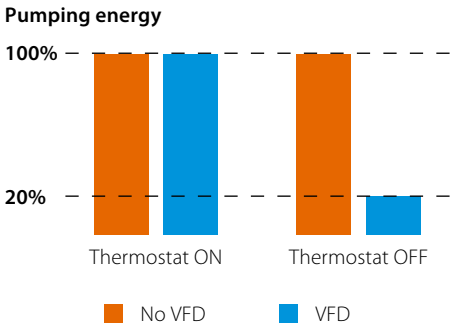
Partial heat recovery
Introduction of condensation control allowing to mantain heat recovery capacity at lower ambient temperatures with unit operating at full capacity

Buffer tank
Unit mounted buffer tank available all across the range for plug and play solution.

VFD pumps and variable flow control
- Variable pump speed control via extenral 0-10 volt signal
- "Thermostat on" and "thermostat off" pump speed management
- Variable primary flow control

Master/Slave supplied as standard
Master/Slave functionality allowing to manage up to 4 units on the same system without the need of external control devices.

Fan Silent Mode
The parallel coil units and units with VFD option are standardly equipped with Fan Silent Mode, which reduces fan velocity and therefore unit sound emission on scheduled time bands, enhancing comfort during night operation.



Air cooled multi-scroll heat pump, standard efficiency, standard/low sound

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- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input

EWYT-B MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWYT-B-SS EWYT-B-SL

Heating & Cooling				EWYT-B-SS/SL	085	105	135	175	205	215	235	255	300	340	390	430	490	540	590	630	300-VFDFAN	340-VFDFAN	390-VFDFAN	430-VFDFAN	490-VFDFAN	540-VFDFAN	590-VFDFAN	630-VFDFAN
SEER					3.9	3.98	3.9	4.01	3.96	3.9	3.96	3.9	3.99	4.1	3.99	4	4.23		4.17	4.25	4.16	4.28	4.16	4.12	4.37	4.35	4.29	4.38
Space heating	Average climate water outlet 35°C	General	SCOP		3.34	3.41	3.36	3.40	3.37	3.40	3.34	3.29	3.27	3.28	3.35	3.33	3.37	3.35	3.38	3.37	3.38	3.39	3.46	3.44	3.47	3.46	3.50	3.47
			Seasonal space heating eff. class		A+														-									
Cooling capacity	Nom.			kW	75	98	120	153	189	193	212	230	270	317	350	375	434	482	531	570	270	317	350	375	434	482	531	570
Heating capacity	Nom.			kW	82.24	106.24	132.23	169.8	209.28	213.33	236.16	256.09	300.01	342.79	389.93	432.79	486.98	541.54	591.29	627.45	300.01	342.79	389.93	432.79	486.98	541.54	591.29	627.45
Power input	Cooling	Nom.		kW	28	36.6	44.6	57.8	71.3	72.1	78.7	86.4	102	117	132	147	171	192	206	219	102	117	133	147	171	192	207	219
	Heating	Nom.		kW	28.16	36.5	45.26	58.94	72.36	73.82	82.07	86.96	104.12	116.23	135.61	150.48	166.78	185.15	201.91	214.4	104.41	116.59	136.09	150.96	167.26	185.62	202.51	215
Capacity control	Method				Step																							
	Minimum capacity			%	50	38	50	38	19	50	17	25	22	19	17	25	22	19	18	17	22	19	17	25	22	19	18	17
EER					2.69	2.68	2.7	2.65	2.66	2.67	2.69	2.67	2.65	2.69	2.63	2.55	2.54	2.51	2.57	2.6	2.64	2.69	2.62	2.54	2.53	2.5	2.56	2.59
COP					2.921	2.911	2.922	2.881	2.892	2.89	2.877	2.945	2.882	2.949	2.875	2.876	2.92	2.925	2.928	2.927	2.873	2.94	2.865	2.867	2.911	2.917	2.92	2.918
IPLV					4.43	4.4	4.32	4.28	4.33	4.36	4.31	4.35	4.2	4.31	4.2	4.31	4.46	4.52	4.44	4.53	4.35	4.67	4.45	4.54	4.68	4.71	4.73	4.8
Dimensions	Unit	Height		mm	1,800									2,514														
		Width		mm	1,195									2,282														
		Length		mm	2,225	2,825	3,425		4,350	4,025	4,950		3,225		4,125				5,025		3,225		4,125				5,025	
Weight (SS)	Unit			kg	955	1,065	1,165	1,320	1,500		1,800	1,825	2,100	2,250	3,180	3,190	3,180	3,370	4,267		2,100	2,250	3,180	3,190	3,180	3,370	4,267	
	Operation weight			kg	962	1,072	1,172	1,327	1,511		1,811	1,839	2,114	2,270	3,200	3,210	3,207	3,397	4,302	4,308	2,114	2,270	3,200	3,209.71	3,207.27	3,397.27	4,302.37	4,308.08
Weight (SL)	Unit			kg	985	1,095	1,195	1,350	1,530		1,830	1,855	2,260	2,410	3,340	3,350	3,340	3,530	4,427		2,260	2,410	3,340	3,190	3,180	3,370	4,267	
	Operation weight			kg	992	1,102	1,202	1,357	1,541		1,841	1,869	2,274	2,430	3,360	3,370	3,367	3,557	4,462	4,468	2,274	2,430	3,360	3,209.71	3,207.27	3,397.27	4,302.37	4,308.08
Water heat exchanger	Type				Plate heat exchanger																							
	Water volume			l	7				11			14		20			27		35	41	14	20			27			35	41
	Water flow rate	Cooling	Nom.	l/s	3.6	4.7	5.8	7.3	9	9.2	10.1	11	12.9	15.1	16.7	17.9	20.7	23	25.3	27.2	12.9	15.1	16.7	17.9	20.7	23	25.3	27.2
	Water pressure drop	Cooling	Nom.	kPa	14.9	24.1	35.1	54	45	46.4	55.1	45.1	60.2	49.2	58.8	66.7	58.7	71.2	58.3	66.1	60.2	49.2	58.8	66.7	58.7	71.2	58.3	66.1
Air heat exchanger	Type				High efficiency fin and tube type																							
Compressor	Type				Scroll compressor																							
	Quantity				2				4	2	4						5	6	4						5	6		
Fan	Type				Direct propeller																							
	Quantity				4	6	8		10		12		5	6	8				10		5	6	8				10	
	Air flow rate	Nom.		l/s	6,888	10,809	14,412	13,777	17,220	17,221	20,664		28,003	33,604	46,854		45,830	44,806	57,288	56,008	28,003	33,604	46,854		45,830	44,806	57,288	56,008
	Speed			rpm	1,360									900														
Sound power level (SS)	Cooling	Nom.		dBA	84	87	89	91	90	92	91	92	94	95	96	96.3	96.6	96.8	97.5	97.8	94	94.9	95.9	96.3	96.6	96.8	97.5	97.8
Sound power level (SL)	Cooling	Nom.		dBA	83	85	87	88		89		91	92	93	92.9		93		93.9		90.8	91.6	92.8	92.9		93	93.9	
Sound pressure level (SS)	Cooling	Nom.		dBA	66	69	71	73	71	74	72	73	74	75	76	76.3	76.6	76.8	77.1	77.4	74.5	75.4	75.9	76.3	76.6	76.8	77.1	77.4
Sound pressure level (SL)	Cooling	Nom.		dBA	65	67	69	70	69		70		71	72	73	72.9		73	73.5		71.3	72.1	72.8	72.9		73	73.5	
Refrigerant	Type				R-32																							
	Charge (SS)			kg	12.7	15.8	18.5	26	34	34.8	37.2	41.4	41.7	48	47.1	48.6	60.3	70	78.5	87	41.7	48	47.1	48.6	60.3	70	78.5	87
	Charge (SL)			kg	12.7	15.8	18.5	26	34	34.8	37.2	41.4	39.9	48	48.1	48.6	50	70	78.5	80	39.9	48	48.1	48.6	50	70	78.5	80
	Circuits	Quantity			1			2	1										2									
Piping connections	Evaporator water inlet/outlet (OD)				88.9														114.3		88.9						114.3	
Unit	Starting current	Max		A	211.0	327.0	343.0	464.0	408.0	495.0	425.0	439.0	564.0	598.0	636.0	666.0	712.0	757.0	795.0	825.0	564	598	636	666	712	757	795	825
	Running current	Cooling	Nom.	A	54.0	66.0	76.0	99.0	125.0	123.0	133.0	146.0	174.0	198.0	227.0	253.0	291.0	328.0	353.0	372.0	175	198	228	253	292	329	354	373
Unit	Running current	Max		A	68.0	85.0	101.0	131.0	166.0	163.0	183.0	197.0	232.0	266.0	304.0	334.0	379.0	425.0	463.0	493.0	232	266	304	334	379	425	463	493
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																							

Air cooled multi-scroll heat pump, standard efficiency, reduced sound

- First R-32 air cooled heat pump with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input

EWYT-B-SR MicroTech 4

More details and final information can be found by scanning or clicking the QR codes. EWYT-B-SR

Heating & Cooling				EWYT-B-SR	085	105	135	175	205	215	235	255	300	340	390	430	490	540	590	630
SEER					3.82	3.93	3.87	3.96	3.92	3.82	3.83	3.84	4.18	4.37	4.21	4.19	4.49		4.46	4.52
Space heating	Average climate water outlet 35°C	General	SCOP		3.35	3.40	3.37	3.42	3.44	3.43	3.32	3.33	3.42	3.49		3.57	3.65	3.60	3.67	3.66
			Seasonal space heating eff. class		A+		-													
Cooling capacity	Nom.			kW	74	96	119	150	186	189	209	226	265	311	344	368	424	470	519	557
Heating capacity	Nom.			kW	80.91	105.24	131.02	167.11	207.27	209.99	233.05	251.28	295.81	335.24	384.62	426.79	477.49	528.73	581.03	615.34
Power input	Cooling	Nom.		kW	28.7	37.4	45.5	59.5	73.2	74.3	80.7	88.8	102	117	131	147	172	195	207	221
	Heating	Nom.		kW	27.99	36.24	44.84	58.45	71.9	73.28	81.39	86.29	102.09	113.54	132.02	144.34	160.28	178.33	194.13	206.57
Capacity control	Method				Step															
	Minimum capacity			%	50	38	50	38	19	50	17	25	22	19	17	25	22	19	18	17
EER					2.56	2.58	2.61	2.53	2.54	2.55	2.59	2.55	2.59	2.64	2.61	2.5	2.46	2.41	2.5	2.51
COP					2.891	2.904	2.922	2.859	2.883	2.866	2.863	2.912	2.898	2.953	2.913	2.957	2.979	2.965	2.993	2.979
IPLV					4.36	4.24	4.3	4.38	4.29		4.28	4.26	4.29	4.69	4.58	4.61	4.78	4.89	4.82	4.91
Dimensions	Unit	Height		mm	1,800								2,514							
		Width		mm	1,195								2,282							
		Length		mm	2,225	2,825	3,425		4,350	4,025	4,950		3,225		4,125				5,025	
Weight	Unit			kg	985	1,095	1,195	1,350	1,530		1,830	1,855	2,260	2,410	3,340	3,350	3,340	3,530	4,427	
	Operation weight			kg	992	1,102	1,202	1,357	1,541		1,841	1,869	2,274	2,430	3,360	3,370	3,367	3,557	4,462	4,468
Water heat exchanger	Type				Plate heat exchanger															
	Water volume			l	7				11			14		20			27		35	41
	Water flow rate	Cooling	Nom.	l/s	3.5	4.6	5.7	7.2	8.9	9	10	10.8	12.7	14.8	16.4	17.5	20.2	22.4	24.8	26.6
	Water pressure drop	Cooling	Nom.	kPa	14.4	23.4	34.2	52.2	43.5	44.8	53.5	43.6	58.1	47.6	57	64.4	56.3	67.8	56	63.4
Air heat exchanger	Type				High efficiency fin and tube type															
Compressor	Type				Scroll compressor															
	Quantity				2				4	2	4						5	6		
Fan	Type				Direct propeller															
	Quantity				4	6	8		10		12		5	6	8				10	
	Air flow rate	Nom.		l/s	6,026	9,483	12,644	12,052	15,064	15,065	18,078		23,608	28,330	39,446		38,610	37,774	48,262	47,216
	Speed			rpm	1,200								780							
Sound power level	Cooling	Nom.		dBA	78	82	84	85	84	87	86		87	88	89	89.3	89.4	89.5	90.4	90.5
Sound pressure level	Cooling	Nom.		dBA	60	64	65	67	66	68	67		68		69	69.3	69.4	69.5	70	70.1
Refrigerant	Type				R-32															
	Charge			kg	13.3	14.7	19.3	24.5	29	34	36.2	43	40.3	47.2	50.4	79	58.5	68.8	77.6	82
	Circuits	Quantity			1				2	1	2									
Piping connections	Evaporator water inlet/outlet (OD)				88.9															114.3
Unit	Starting current	Max		A	211.0	327.0	343.0	464.0	408.0	495.0	425.0	439.0	564.0	598.0	636.0	666.0	712.0	757.0	795.0	825.0
	Running current	Cooling	Nom.	A	55.0	67.0	77.0	101.0	128.0	126.0	136.0	149.0	173.0	196.0	224.0	251.0	292.0	330.0	353.0	373.0
Unit	Running current	Max		A	68.0	85.0	101.0	131.0	166.0	163.0	183.0	197.0	232.0	266.0	304.0	334.0	379.0	425.0	463.0	493.0
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400															

Air cooled multi-scroll heat pump, high efficiency, standard/low sound

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EWYT-B-XS/XL

More details and final information can be found by scanning or clicking the QR codes.

EWYT-B-XS

EWYT-B-XL

Heating & Cooling				EWYT-B-XS/XL	085	115	135	175	215	215	235	265	310	350	400	440	500	560	600	630	650	VFDFAN 310	VFDFAN 350	VFDFAN 400	VFDFAN 440	VFDFAN 500	VFDFAN 560	VFDFAN 600	VFDFAN 630	VFDFAN 650
SEER					4.24	4.38	4.24	4.45	4.41	4.21	4.4	4.13	4.57	4.67	4.54	4.57	4.72	4.71	4.7	4.69	4.4	4.66	4.81	4.68	4.63	4.86	4.83	4.83	4.82	4.58
Space heating	Average climate water outlet 35°C	General	SCOP		3.70	3.72	3.70	3.67	3.70	3.66	3.86	3.77	3.90		3.82	3.85	3.83	3.81	3.79	3.76	3.53	3.96	3.97	3.93	3.91	3.96	3.93	3.87		3.68
			Seasonal space heating eff. class		A+																-										
Cooling capacity	Nom.			kW	80	104	126	166	206		229	250	288	328	370	406	467	519	560	597	610	288	328	370	406	467	519	560	597	610
Heating capacity	Nom.			kW	85.86	111.02	133.18	176.29	214.81	218.29	239.37	260.83	305.53	349.96	400.64	443.87	500.13	555.95	598.67	633.91	649.7	305.53	349.96	400.64	443.87	500.13	555.95	598.67	633.91	649.7
Power input	Cooling	Nom.		kW	26.3	35.1	42.1	56.6	68	71.8	74.9	83.4	93.9	107	122	134	158	177	193	204	207	94.1	107	123	135	158	177	193	205	207
	Heating	Nom.		kW	26.06	33.19	39.11	51.68	62.55	64.91	69.49	76.15	88.61	101.7	117.65	127.8	147.3	165.04	179.94	191.66	203.16	88.81	101.93	117.94	128.08	147.63	165.38	180.33	192.05	203.95
Capacity control	Method				Step																									
	Minimum capacity			%	50	38	50	38	19	50	17	25	22	19	17	25	22	19	18	17		22	19	17	25	22	19	18	17	
EER					3.03	2.95	2.99	2.93	3.03	2.86	3.06	3	3.06	3.05	3.02	3.01	2.95	2.93	2.9	2.92	2.95	3.06	3.05	3.01		2.95	2.92	2.9	2.91	2.94
COP					3.295	3.345	3.405	3.411	3.434	3.363	3.444	3.425	3.448	3.441	3.405	3.473	3.395	3.369	3.327	3.308	3.198	3.44	3.433	3.397	3.466	3.388	3.362	3.32	3.301	3.186
IPLV					4.75		4.69		4.87	4.72	4.87	4.64	4.94		4.96	5	5.1	5.08		5.05	4.66	4.97	5.16	5.13	5.16	5.3	5.29	5.22	5.16	4.99
Dimensions	Unit	Height		mm	1,800								2,514																	
		Width		mm	1,195								2,282																	
		Length		mm	2,825	3,425		4,025	5,550	4,625	6,150		4,125		5,025		5,925		6,825			4,125		5,025		5,925		6,825		
Weight (XS)	Unit			kg	1,080	1,140	1,220	1,400	2,000	1,600	2,300	2,350	2,830	3,080	3,650	3,750	4,206	4,296	4,760	4,860		2,830	3,080	3,650	3,750	4,206	4,296	4,760	4,860	
	Operation weight			kg	1,091	1,151	1,231	1,416	2,035	1,616	2,335	2,385	2,865	3,115	3,685	3,812	4,268	4,366	4,830	4,930		2,865	3,115	3,685.37	3,811.88	4,267.88	4,366.2	4,830.2	4,930.2	
Weight (XL)	Unit			kg	1,110	1,170	1,250	1,430	2,030	1,610	2,330	2,380	3,140	3,240	3,810	3,910	4,366	4,456	4,920	5,020		3,140	3,240	3,650	3,750	4,206	4,296	4,760	4,860	
	Operation weight			kg	1,121	1,181	1,261	1,446	2,065	1,626	2,365	2,415	3,175	3,275	3,845	3,972	4,428	4,526	4,990	5,090		3,175	3,275	3,685.37	3,811.88	4,267.88	4,366.2	4,830.2	4,930.2	
Water heat exchanger	Type				Plate heat exchanger																									
	Water volume			l	11			16	35	16	35					62		70				35			62			70		
	Water flow rate	Cooling	Nom.	l/s	3.8	5	6	7.9	9.8		10.9	11.9	13.7	15.7	17.7	19.4	22.3	24.7	26.7	28.5	29.1	13.7	15.7	17.7	19.4	22.3	24.7	26.7	28.5	29.1
	Water pressure drop	Cooling	Nom.	kPa	9.49	15.2	21.5	20.1	12	29.6	14.6	17.1	22	27.9	34.7	23.6	30.4	33.6	38.6	43.2	45	22	27.9	34.7	23.6	30.4	33.6	38.6	43.2	45
Air heat exchanger	Type				High efficiency fin and tube type																									
Compressor	Type				Scroll compressor																									
	Quantity				2			4	2		4					5	6					4			5		6			
Fan	Type				Direct propeller																									
	Quantity				6	8		10	14	12	16		7	8	10		12		14			7	8	10		12		14		
	Air flow rate	Nom.		l/s	9,039	12,644	12,052	15,065	21,090	18,078	24,104		29,593	33,820	43,351	42,276	52,021	50,730	60,692	59,186	78,410	29,593	33,820	43,351	42,276	52,021	50,730	60,692	59,186	78,410
	Speed			rpm	1,200								700							900		700								900	
Sound power level (XS)	Cooling	Nom.		dBA	81	86	88	90	89	91	90	91	92	93	94.2	94.8	95.3	95.6	96.1	96.5	98.4	92.4	93.4	94.2	94.8	95.3	95.6	96.1	96.5	98.4
Sound power level (XL)	Cooling	Nom.		dBA	79.5	82.6	84.1	86.2	85.4	87.5	86.4	87.1	86	87	88	88.2	88.9	89	89.6	89.7	95.3	86.4	87.1	88	88.2	88.9	89	89.6	89.7	95.3
Sound pressure level (XS)	Cooling	Nom.		dBA	63	67	69	71	69	73	70	71	72	73	73.8	74.4	74.5	74.8	75	75.4	77.3	72.4	73.4	73.8	74.4	74.5	74.8	75	75.4	77.3
Sound pressure level (XL)	Cooling	Nom.		dBA	61	64	65	67	66	68	66	67	66	67	67.6	67.8	68.1	68.2	68.5	68.6	74.2	66.4	67.1	67.6	67.8	68.1	68.2	68.5	68.6	74.2
Refrigerant	Type				R-32																									
	Charge (XS)			kg	17.7	18.3	22	33.7	42.4	51.6	48.6	46	52.4	60.4	70.5	84	87.5	92	114	100	113	52.4	60.4	70.5	84	87.5	92	114	100	113
	Charge (XL)			kg	17.7	18.3	22	33.7	42.4	51.6	48.6	46	52.4	63	68.5	78	88.5	93	108	104	113	52.4	63	68.5	78	88.5	93	108	104	113
	Circuits	Quantity			1			2	1				2																	
Piping connections	Evaporator water inlet/outlet (OD)				88.9								114.3									88.9			114.3					
Unit	Starting current	Max		A	213.0	329.0	343.0	465.0	412.0	497.0	429.0	443.0	562.0	594.0	629.0	659.0	710.0	755.0	790.0	820.0	841.0	572	606	644	674	728	773	811	841	
	Running current	Cooling	Nom.	A	53.0	65.0	75.0	99.0	122.0	123.0	132.0	143.0	170.0	192.0	215.0	236.0	276.0	313.0	338.0	358.0	361.0	170	193	216	237	277	313	339	359	362
Unit	Running current	Max		A	70.0	87.0	101.0	133.0	170.0	165.0	186.0	201.0	229.0	262.0	297.0	327.0	377.0	423.0	458.0	488.0	509.0	240	274	312	342	395	441	479	509	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																									

Air cooled multi-scroll heat pump, high efficiency, reduced sound

- First R-32 air cooled heat pump with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input

EWYT-B

More details and final information can be found by scanning or clicking the QR codes.

EWYT-B-XR

Heating & Cooling				EWYT-B-XR	085	115	135	175	215	215	235	265	310	350	400	440	500	560	600	630	650
SEER					4.21	4.37	4.21	4.41	4.16	4.42	4.43	4.13	4.74	4.8	4.82	4.63	4.92	4.89	4.83	4.79	4.72
Space heating	Average climate water outlet 35°C	General	SCOP		3.66	3.71	3.65	3.83	3.74	3.70	3.82	3.81	4.06	4.01	3.95	4.03	3.99	4.04	4.00	3.98	3.88
			Seasonal space heating eff. class		A+		-														
Cooling capacity	Nom.			kW	79	103	124	164	203	204	227	247	282	321	364	398	458	507	548	583	600
Heating capacity	Nom.			kW	84.9	110.32	132.02	174.14	216.57	213.48	237.57	256.58	301.04	344.8	395.81	438.23	494.13	549.6	588.57	620.71	637.4
Power input	Cooling	Nom.		kW	26.6	35.4	42.6	57.4	72.9	68.8	75.7	84.4	95.2	109	124	136	160	180	196	208	203
	Heating	Nom.		kW	25.87	32.94	38.82	51.3	64.51	62.13	68.99	75.49	86.32	99.1	114.46	124.61	143.5	161.2	175.33	186.93	193.22
Capacity control	Method				Step																
	Minimum capacity			%	50	38	50	38	50	19	17	25	22	19	17	25	22	19	18	17	
EER					2.98	2.9	2.92	2.86	2.79	2.97	3	2.93	2.96	2.95	2.93	2.91	2.85	2.81	2.8		2.94
COP					3.282	3.349	3.401	3.394	3.357	3.436	3.443	3.399	3.487	3.479	3.458	3.517	3.443	3.409	3.357	3.321	3.299
IPLV					4.73		4.67	4.65	4.67	4.86	4.82	4.62	4.92	5.12	5.26	5.12	5.34	5.32	5.22	5.23	5.19
Dimensions	Unit	Height		mm	1,800								2,514								
		Width		mm	1,195								2,282								
		Length		mm	2,825	3,425		4,025	4,625	5,550	6,150		4,125		5,025		5,925		6,825		
Weight	Unit			kg	1,110	1,170	1,250	1,430	1,610	2,030	2,330	2,380	3,140	3,240	3,810	3,910	4,366	4,456	4,920	5,020	
	Operation weight			kg	1,121	1,181	1,261	1,446	1,626	2,065	2,365	2,415	3,175	3,275	3,845	3,972	4,428	4,526	4,990	5,090	
Water heat exchanger	Type				Plate heat exchanger																
	Water volume			l	11			16		35						62		70			
	Water flow rate	Cooling	Nom.	l/s	3.8	4.9	5.9	7.8	9.7		10.8	11.8	13.4	15.3	17.3	19	21.8	24.2	26.2	27.8	28.6
	Water pressure drop	Cooling	Nom.	kPa	9.33	14.9	21.1	19.6	28.9	11.8	14.3	16.8	21.2	26.8	33.5	22.7	29.2	32.2	37.1	41.4	43.7
Air heat exchanger	Type				High efficiency fin and tube type																
Compressor	Type				Scroll compressor																
	Quantity				2					4							5	6			
Fan	Type				Direct propeller																
	Quantity				6	8		10	12	14	16		7	8	10		12		14		
	Air flow rate	Nom.		l/s	8,298	11,630	11,064	13,830	16,596	19,362	22,128		25,074	28,656	36,808	35,820	44,169	42,984	51,531	50,148	66,104
	Speed			rpm	1,108								600								780
Sound power level	Cooling	Nom.		dBA	77	81	83	85	87	84	85	86	84		85.2	85.5	86.2	86.3	86.9	87.1	91.6
Sound pressure level	Cooling	Nom.		dBA	59	63	65	67	68	65		66	64		64.8	65.1	65.4	65.5	65.8	66	70.5
Refrigerant	Type				R-32																
	Charge			kg	17.4	18.4	21.5	30	40	44.6	50	53.4	54.4	62	71.5	78	89	93	103.4	106	109
	Circuits	Quantity			1					2											
Piping connections	Evaporator water inlet/outlet (OD)				88.9										114.3						
Unit	Starting current	Max		A	213.0	329.0	343.0	465.0	497.0	412.0	429.0	443.0	572.0	606.0	644.0	674.0	728.0	773.0	811.0	841.0	
	Running current	Cooling	Nom.	A	53.0	65.0	75.0	100.0	124.0	123.0	133.0	145.0	169.0	192.0	214.0	237.0	276.0	315.0	339.0	360.0	353.0
Unit	Running current	Max		A	70.0	87.0	101.0	133.0	165.0	170.0	186.0	201.0	240.0	274.0	312.0	342.0	395.0	441.0	479.0	509.0	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																

EWYT-CZI

INVERTER

Air cooled scroll inverter heat pump, split version

› Inverter Heat Pump in Split version
› Daikin scroll compressor
› High part load efficiency for low running cost
› Glycol free application
› Wide operation range and hot water production up to 60°C
› Integrated hydronic module as standard

EWYT-CZI

More details and final information can be found by scanning or clicking the QR codes. EWYT-CZI

Indoor Unit				EWYT	021CZI-A1	032CZI-A1	040CZI-A1	064CZI-A2
Casing	Colour				Ivory white			
	Material				Galvanized and painted steel sheet			
Dimensions	Unit	HeightxWidthxDepth		mm	700x1,120x830			
Weight	Unit			kg	133	144		172
Operation range	Heating	Ambient	Min.~Max.	°C	-20 ~35			
		Water side	Min.~Max.	°C	20 ~60			
	Cooling	Ambient	Min.~Max.	°CDB	-20 ~45			
		Water side	Min.~Max.	°C	4 ~20			
Sound power level	Nom.			dBA	63.0	64.5		66.0

EWYT-CZO

INVERTER

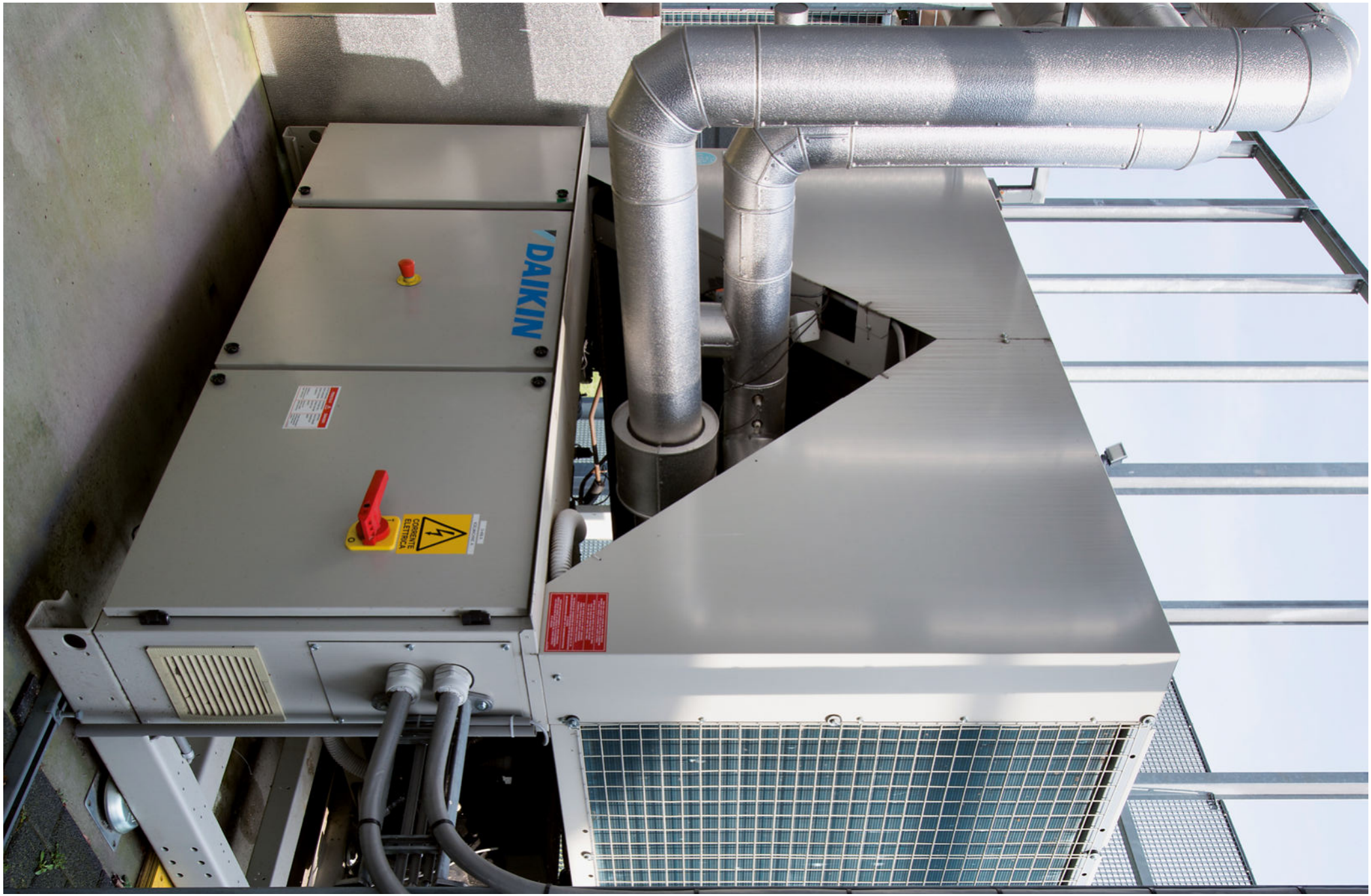
Air cooled scroll inverter heat pump, split version

› Inverter Heat Pump in Split version
› Daikin scroll compressor
› High part load efficiency for low running cost
› Glycol free application
› Wide operation range and hot water production up to 60°C
› Integrated hydronic module as standard

EWYT-CZO

More details and final information can be found by scanning or clicking the QR codes. EWYT-CZO

Outdoor Unit				EWYT	021CZO-A1	032CZO-A1	040CZO-A1	064CZO-A2
Dimensions	Unit	HeightxWidthxDepth		mm	1,878x1,152x802	1,878x1,752x802		1,878x2,906x814
Weight	Unit			kg	265	357		620
Compressor	Quantity				1			2
	Type				Scroll compressor			
Refrigerant	Type				R-32			
	GWP				675.0			
	Charge			kg	7.3	9.5	9.8	16.6
	Charge			TCO2Eq	4,928.0	6,422.0	6,635.0	11,255.0
Sound power level	Cooling		Nom.	dBA	76.0	79.0	80.0	83.0
Sound pressure level	Cooling		Nom.	dBA	59.6	62.2	63.2	65.4
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50 /400			


DAIKIN
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INVERTER

Air cooled screw inverter heat pump, standard efficiency, standard sound

- Ideal solution for commercial comfort cooling and/or heating applications
- Optimum ESEER values
- 2-3 truly independent refrigerant circuits
- Low starting current
- DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- Standard electronic expansion valve
- Optimised defrost cycles
- Partial and total heat recovery option available
- Power factor up to 0.95
- PID microprocessor control

EWYD-BZSS

More details and final information can be found by scanning or clicking the QR codes.

EWYD-BZSS

Heating & Cooling				EWYD-BZSS	250	270	290	320	340	370	380	410	440	460	510	530	570
SEER					-										4.57		4.55
Space heating	Average climate water outlet 35°C	General	SCOP		3.21		3.20		3.21				3.20		-		
Cooling capacity	Nom.			kW	253	272	291	323	337	363	380	411	433	455	515	533	569
Heating capacity	Nom.			kW	271	298	325	334	350	380	412	445	465	477	532.86	560.55	618.33
Power input	Cooling	Nom.		kW	91.3	101	110	117	125	135	144	154	165	163	183	189	217
	Heating	Nom.		kW	91.4	100	108	118	126	133	143	157	167	165	177.37	184.84	208.14
Capacity control	Method				Stepless												
	Minimum capacity			%	13.0									9.0	9		
EER					2.77	2.70	2.65	2.75	2.69	2.68	2.63	2.66	2.62	2.79	2.81		2.62
ESEER					3.93	3.92	3.89	3.95	3.89	3.90	3.82	3.91	3.89	4.18	-		
COP					2.96	2.97	3.00	2.82	2.78	2.85	2.88	2.83	2.79	2.88	3.004	3.033	2.971
IPLV					4.58	4.62		4.75	4.64	4.71	4.67	4.73	4.69	4.85	4.89	4.85	4.77
Dimensions	Unit	Height		mm	2,335									2,280	2,280		
		Width		mm	2,254										2,254		
		Length		mm	3,547			4,428				5,329		6,659	6,659		
Weight	Unit			kg	3,410	3,455	3,500	3,870		3,940	4,010	4,390		5,015	5,495	5,735	
	Operation weight			kg	3,550	3,595	3,640	4,010		4,068	4,138	4,518		5,255	5,724	5,964	5,953
Water heat exchanger	Type				Single pass shell & tube										Shell and tube		
	Water volume			l	138			133			128			240	229		218
	Water flow rate	Cooling	Nom.	l/s	12.1	13.0	13.9	15.5	16.2	17.4	18.2	19.7	20.8	21.8	24.7	25.5	27.3
		Heating	Nom.	l/s	13.1	14.4	15.7	16.1	16.9	18.3	19.8	21.4	22.4	23.0	-		
	Water pressure drop	Cooling	Nom.	kPa	40	46	44	50	55	60	65	74	80	47	68.4	46.5	52.4
		Heating	Nom.	kPa	30	35	52	37	40	45	51	59	64	42	-		
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler										High efficiency fin and tube type		
Compressor	Type				Single screw compressor												
	Quantity				2									3	3		
Fan	Type				Direct propeller												
	Quantity				6			8				10		12	12		
	Air flow rate	Nom.		l/s	31,729	31,422	31,115	42,306		42,337	41,487	52,882		63,458	62,640	61,652	48,191
	Speed			rpm	900										900		
Sound power level	Cooling	Nom.		dBA	101							102		104	103.6		
Sound pressure level	Cooling	Nom.		dBA	82							83		84	83.7		
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~45										-~-		
		Heating	Min.~Max.	°CDB	-10~20										-~-		
	Water side	Cooling	Min.~Max.	°CDB	-8~15										-~-		
		Heating	Min.~Max.	°CDB	35~55										-~-		
Refrigerant	Type/GWP				R-134a/1,430										R-134a/-		
	Charge			kg	-										141		147
	Circuits	Quantity			2									3	3		
Refrigerant charge	Per circuit			kg	43.0	44.0	43.0	46.0	46.5		47.0	50.0		47.0	-		
	Per circuit			TCO2Eq	61.5	62.9	61.5	65.8	66.5		67.2	71.5		67.2	-		
Piping connections	Evaporator water inlet/outlet (OD)				139.7mm									219.1mm			
Unit	Starting current	Max		A	150			181	204			224	238	245	327	355	344
	Running current	Cooling	Nom.	A	137	150	164	176	188	202	214	229	244	246	298	310	349
		Max		A	211		212	254	288			316	336	329	433	474	458
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										3~/50 /400		

INVERTER

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- Partial and total heat recovery option available
- Power factor up to 0.95
- PID microprocessor control

EWYD-BZSL

More details and final information can be found by scanning or clicking the QR codes.

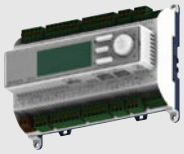
EWYD-BZSL

Heating & Cooling					EWYD-BZSL	250	270	290	320	330	360	370	400	430	450	510	530	570
SEER						-										4.56	4.6	4.55
Space heating	Average climate water outlet 35°C	General	SCOP			3.21		3.20		3.21				3.20		-		
Cooling capacity	Nom.				kW	247	265	290	315	330	353	370	401	423	446	503	519	569
Heating capacity	Nom.				kW	271	298	325	334	350	380	412	445	465	477	532.86	560.55	618.33
Power input	Cooling	Nom.			kW	89.5	99.5	110	115	123	134	144	151	163	158	178	185	217
	Heating	Nom.			kW	91.4	100	108	118	126	133	143	157	167	165	177.37	184.84	208.14
Capacity control	Method					Stepless												
	Minimum capacity				%	13.0									9.0	9		
EER						2.76	2.66	2.62	2.75	2.68	2.64	2.57	2.66	2.59	2.83	2.82	2.8	2.62
ESEER						4.06	4.04	4.03	4.17	4.09	4.04	4.01	4.06	4.02	4.18	-		
COP						2.96	2.97	3.00	2.82	2.78	2.85	2.88	2.83	2.79	2.88	3.004	3.033	2.971
IPLV						4.90	4.96	4.91	5.17	5.08	5.12	5.06	5.22	5.13	5.07	5.03	4.99	4.89
Dimensions	Unit	Height			mm	2,335									2,280	2,280		
		Width			mm	2,254										2,254		
		Length			mm	3,547			4,428				5,329		6,659	6,659		
Weight	Unit				kg	3,750	3,795	3,840	4,210		4,280	4,350	4,730		5,525	6,005	6,245	
	Operation weight				kg	3,888	3,933	3,978	4,343		4,408	4,478	4,858		5,765	6,234	6,474	6,463
Water heat exchanger	Type					Single pass shell & tube										Shell and tube		
	Water volume				l	138			133		128				240	229		218
	Water flow rate	Cooling	Nom.		l/s	11.8	12.7	13.9	15.1	15.8	16.9	17.7	19.2	20.3	21.4	24.1	24.9	27.3
		Heating	Nom.		l/s	13.1	14.4	15.7	16.1	16.9	18.3	19.8	21.4	22.4	23.0	-		
	Water pressure drop	Cooling	Nom.		kPa	38	44	42	48	53	57	62	71	77	45	65.5	44.4	52.4
		Heating	Nom.		kPa	30	35	52	37	40	45	51	59	64	42	-		
Air heat exchanger	Type					High efficiency fin and tube type with integral subcooler										High efficiency fin and tube type		
Compressor	Type					Single screw compressor												
	Quantity					2									3	3		
Fan	Type					Direct propeller												
	Quantity					6			8				10		12	12		
	Air flow rate	Nom.			l/s	-										48,415	47,732	48,191
		Cooling	Nom.		l/s	24,432	24,264	24,095	32,576		32,628	32,127	40,720		48,863	-		
	Speed				rpm	700										900		
Sound power level	Cooling	Nom.			dBA	94			95						97	97		
Sound pressure level	Cooling	Nom.			dBA	76									77	77.2		
Operation range	Air side	Cooling	Min.~Max.		°CDB	-10~45										-~-		
		Heating	Min.~Max.		°CDB	-10~20										-~-		
	Water side	Cooling	Min.~Max.		°CDB	-8~15										-~-		
Operation range	Water side	Heating	Min.~Max.		°CDB	35~55										-~-		
Refrigerant	Type/GWP					R-134a/1,430										R-134a/-		
	Charge				kg	-										141		147
	Circuits	Quantity				2									3	3		
Refrigerant charge	Per circuit				kg	43.0	44.0	43.0	46.0	46.5		47.0	50.0		47.0	-		
	Per circuit				TCO2Eq	61.5	62.9	61.5	65.8	66.5		67.2	71.5		67.2	-		
Piping connections	Evaporator water inlet/outlet (OD)					139.7mm									219.1mm			
Unit	Starting current	Max			A	145	146		176	199			217	231	234	316	344	
	Running current	Cooling	Nom.		A	134	148	163	171	184	199	212	224	240	238	291	305	349
		Max			A	202	203		243	277			302	322	313	416	458	
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400										3~/50 /400		

Air cooled screw condensing unit, standard efficiency, standard sound

› One refrigerant circuit with single screw compressor
› Compact design
› Large operation range (ambient temperature down to -18°C)
› Extensive option list (heat recovery option available)

ERAD-E-SS/SL



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More details and final information can be found by scanning or clicking the QR codes.

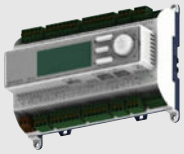
ERAD-E-SS

Cooling only				ERAD-E-SS	120	140	170	200	220	250	310	370	440	490
Cooling capacity	Nom.			kW	121	144	165	196	219	251	309	370	435	488
Power input	Cooling	Nom.		kW	42.1	51.2	57.7	65.6	74.2	77.0	93.8	123	148	161
Capacity control	Method				Stepless									
	Minimum capacity			%	25.0									
EER					2.88	2.82	2.86	2.99	2.95	3.27	3.30	3.02	2.95	3.02
Dimensions	Unit	Height		mm	2,273						2,223			
		Width		mm	1,292						2,236			
		Length		mm	2,165		3,065		3,965		3,070			
Weight	Unit			kg	1,584		1,741		1,936		2,679			
	Operation weight			kg	1,617		1,781		1,981		2,756			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Compressor	Type				Single screw compressor									
	Quantity				1									
Fan	Type				Direct propeller									
	Air flow rate	Nom.		l/s	10,924	10,576	16,386	15,865	21,848	21,153	32,772		31,729	
	Quantity				2		3		4		6			
	Speed	Cooling	Nom.	rpm	900									
Sound power level	Cooling	Nom.		dBA	92.0				93.0	94.0		95.0		
Sound pressure level	Cooling	Nom.		dBA	74.0					75.0				76.0
Operation range	Saturated suction temp.			°C	-9~12									
	Condenser inlet temp.			°C	-18~48									
Refrigerant	Type / GWP				R-134a / 1,430									
	Circuits	Quantity			1									
Piping connections	Evaporator water inlet/outlet (OD)				76mm							139.7mm		
Unit	Maximum starting current			A	151		195		288		330	410		
	Nominal running current (RLA)	Cooling		A	72	88	98	110	125	129	158	204	244	266
	Maximum running current			A	86	103	119	132	157	164	198	242	284	298
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

Air cooled screw condensing unit, standard efficiency, low sound

- One refrigerant circuit with single screw compressor
- Compact design
- Large operation range (ambient temperature down to -18°C)
- Extensive option list (heat recovery option available)

ERAD-E-SS/SL



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More details and final information can be found by scanning or clicking the QR codes.

ERAD-E-SL

Cooling only				ERAD-E-SL	120	140	160	190	210	240	300	350	410	460
Cooling capacity	Nom.			kW	116	137	159	187	209	243	298	352	409	462
Power input	Cooling	Nom.		kW	42.4	52.5	57.7	66.3	73.9	78.1	91.9	122	150	167
Capacity control	Method				Stepless									
	Minimum capacity			%	25.0									
EER					2.74	2.61	2.75	2.83		3.11	3.24	2.88	2.73	2.76
Dimensions	Unit	Height		mm	2,273						2,223			
		Width		mm	1,292						2,236			
		Length		mm	2,165		3,065		3,965		3,070			
Weight	Unit			kg	1,684		1,841		2,036		2,789			
	Operation weight			kg	1,717		1,881		2,081		2,886			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler									
Compressor	Type				Single screw compressor									
	Quantity				1									
Fan	Type				Direct propeller									
	Air flow rate	Nom.		l/s	8,373	8,144	12,560	12,216	16,747	16,288	25,120		24,432	
	Quantity				2		3		4		6			
	Speed	Cooling	Nom.	rpm	700									
Sound power level	Cooling	Nom.		dBA	89.0		90.0		91.0	92.0				93.0
Sound pressure level	Cooling	Nom.		dBA	71.0					73.0				74.0
Operation range	Saturated suction temp			°C	-9~12									
	Condenser inlet temp			°C	-18~48									
Refrigerant	Type / GWP				R-134a / 1,430									
	Circuits	Quantity			1									
Piping connections	Evaporator water inlet/outlet (OD)				76mm							139.7mm		
Unit	Maximum starting current			A	151		195		288		330	410		
	Nominal running current (RLA)	Cooling		A	73	90	98	112	125	131	155	204	249	275
	Maximum running current			A	83	100	115	128	151	158	189	234	276	290
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

EW(W)(H)(L)T~Q-A
Modular Water to Water Chiller and Heat Pump
Infinite combinations for maximum flexibility

EW(W)(H)(L)T~Q-A at a glance

For cooling and heating application
- R32 refrigerant
- Real modular design
- Heat pump with inversion on water side
- Heat pump with inversion on refrigerant side
- Condenserless

R-32

BLUEVOLUTION

Standard sound version
Suitable for indoor installation

Reduced sound version
Suitable for indoor and outdoor installation

Why choose EW(W)(H)(L)T~Q-A

› Real redundancy

› Accessory manifold module customizable with options

› On board pump module

Water cooled multi-scroll chiller reversing on refrigerant side, standard efficiency, standard sound

EWHQ-G-SS MicroTech 4

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- Heat pump version with reversibility on refrigerant side available, ideal for geothermal applications
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- High flexibility for a wide variety of applications
- Allows sequencing control (up to 4 units) without any external device
- Stainless steel plate heat exchanger
- Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser
- MicroTech 4 controller with superior control logic and easy interface

More details and final information can be found by scanning or clicking the QR codes.

EWHQ-G-SS

Heating & Cooling				EWHQ-G-SS	100	120	130	150	160	190	210	240	270	340	400
Cooling capacity	Nom.			kW	87.3	100.0	111	127	141	160	181	208	232	291	352
Heating capacity	Nom.			kW	112	128	144	162	179	205	233	266	299	375	454
Capacity control	Method				Step										
	Minimum capacity			%	50.0	43.0	50.0	44.0	50.0	45.0	50.0	43.0	50.0	40.0	50.0
Power input	Cooling	Nom.		kW	22.4	25.3	28.5	32.0	35.6	41.1	46.0	53.3	59.1	73.7	88.4
	Heating	Nom.		kW	27.0	30.9	35.2	39.3	43.6	50.4	56.6	64.7	72.2	90.3	109
EER					3.90	3.95	3.91	3.96	3.95	3.90	3.93	3.90	3.92	3.95	3.98
COP					4.15	4.16	4.09	4.12	4.11	4.07	4.11	4.10	4.14	4.16	4.18
ESEER					4.70	4.84	4.65	4.86	4.80	4.89	4.86	4.83	4.79	4.90	4.83
IPLV					6.02	6.14	5.66	5.84	5.73	5.84	5.81	5.87	5.71	5.86	5.79
Dimensions	Unit	HeightxWidthxLength		mm	1,066x928x2,432		1,066x928x2,264			1,066x928x2,432				1,186x928x2,432	
Weight	Unit			kg	519	608	728	770	808	838	880	930	941	1,090	1,203
	Operation weight			kg	558	654	782	830	873	908	995	1,019	1,031	1,202	1,334
Water heat exchanger - evaporator	Type				Plate heat exchanger										
	Water flow rate	Cooling	Nom.	l/s	4.2	4.8	5.3	6.1	6.7	7.7	8.7	10.0	11.1	13.9	16.9
		Heating	Nom.	l/s	4.1	4.7	5.2	5.9	6.5	7.4	8.5	9.6	10.9	13.7	16.6
	Water pressure drop	Cooling	Nom.	kPa	44		35	30	29	31	33	31	38	42	43
		Heating	Nom.	kPa	42		33	28	27	29	32	29	37	41	42
Water heat exchanger - condenser	Type				Plate heat exchanger										
	Water volume			l	6	8		10	12	13	15	17		27	34
	Water flow rate	Cooling	Nom.	l/s	5.2	6.0	6.7	7.7	8.5	9.7	10.9	13.7	13.9	17.4	21.1
		Heating	Nom.	l/s	5.4	6.2	7.0	7.8	8.7	9.9	11.2	12.5	14.3	18.0	21.8
	Water pressure drop	Cooling	Nom.	kPa	69		55	49	48	51	54	32	39	66	69
		Heating	Nom.	kPa	73		59	51	50	53	57	33	42	70	73
Compressor	Type				Scroll compressor										
	Quantity				2										
Sound power level	Cooling	Nom.		dBA	80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.		dBA	64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15										
		Heating	Min.~Max.	°CDB	-8~15										
	Condenser	Cooling	Min.~Max.	°CDB	25~55										
		Heating	Min.~Max.	°CDB	25~55										
Refrigerant	Type/GWP				R-410A/2,087.5										
	Circuits	Quantity			1										
Refrigerant charge				kg/TCO2Eq	9.0/18.8		10.0/20.9		13.0/27.1	11.0/23.0	13.0/27.1	15.0/31.3		19.0/39.7	
Piping connections	Evaporator water inlet/outlet (OD)				1" 1/2		2" 1/2							3"	
	Condenser water inlet/outlet (OD)				1" 1/2		2" 1/2							3"	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										
Unit	Starting current	Max		A	204	255	261	308	316	354	368	466	481	640	677
	Running current	Cooling	Nom.	A	43	46	50	56	63	71	78	88	97	123	148
		Max		A	59	66	72	80	88	102	116	131	145	183	221

Water cooled multi-scroll chiller, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- Heat pump version available
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- High flexibility for a wide variety of applications
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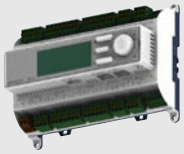
EWWQ-G-SS



MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWQ-G-SS

Cooling Only					EWWQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Space cooling	A Condition 35°C	Pdc		kW		93.7	105.6	119	135.9	150	172.1	193.8	220.7	246.1	314.3	370.4
		ηs,c		%		209.08	215.32	233.52	227.68	233.04	233.36	220.32	235.56	231.84	236.64	211.36
SEER						5.427	5.583	6.038	5.892	6.026	6.034	5.708	6.089	5.996	6.116	5.484
Cooling capacity	Nom.			kW		93.7	105.6	119	135.9	150	172.1	193.8	220.7	246.1	314.3	370.4
Power input	Cooling	Nom.		kW		21.3	24	26.9	30.5	33.9	38.9	43.8	50.74	56.1	70.2	84
Capacity control	Method					Fixed										
	Minimum capacity			%		50	43	50	44	50	45	50	43	50	40	50
EER						4.399	4.4	4.424	4.456	4.425	4.424	4.425	4.349	4.387	4.477	4.41
ESEER						5.51	5.52	5.51	5.53	5.51	5.53			5.52		
IPLV						6.71	6.79	6.22	6.36	6.22	6.32	6.3	6.31	6.1	6.28	6.16
Dimensions	Unit	Height		mm		1,066									1,186	
		Width		mm		928										
		Length		mm		2,432			2,264				2,432			
Weight	Unit			kg		516	606	728	762	795	832	871	921	934	1,083	1,181
	Operation weight			kg		554.9	652.4	781.6	821.4	859	901.4	945.9	1,009.6	1,023.2	1,194.7	1,311.1
Water heat exchanger - evaporator	Type					Plate heat exchanger										
	Water volume			l		6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.		l/s		4.5	5.07	5.7	6.51	7.18	8.24	9.28	10.57	11.79	15.06	17.74
	Water pressure drop	Cooling	Nom.	kPa		48.8	49	39.1	33	32.6	34.5	36.7	33.8	41.8	46.8	
Water heat exchanger - condenser	Type					Plate heat exchanger										
	Water volume			l		6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.		l/s		5.52	6.23	7.05	8.04	8.87	10.17	11.43	13.02	14.53	18.46	21.81
	Water pressure drop	Cooling	Nom.	kPa		72	73	60	50		52	56	46	57	69	71
Compressor	Type					Driven vapour compression										
	Quantity					2										
Sound power level	Cooling	Nom.		dBA		80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.		dBA		64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		-10~15										
		Heating	Min.~Max.	°CDB		-10~15										
	Condenser	Cooling	Min.~Max.	°CDB		25~55										
		Heating	Min.~Max.	°CDB		25~55										
Refrigerant	Type/GWP					R-410A/2,087.5										
	Charge			kg		10		11		12		15	16	17	19	20
	Circuits	Quantity				1										
Refrigerant charge				TCO2Eq		20.88		22.96		25.05		31.31	33.40	35.49	39.66	41.75
Piping connections	Evaporator water inlet/outlet (OD)					1" 1/2		2" 1/2							3"	
	Condenser water inlet/outlet (OD)					1" 1/2		2" 1/2							3"	
Unit	Starting current	Max		A		204	255	261	308	316	354	368	466	481	640	677
	Running current	Cooling	Nom.	A		42	45	48	54	61	68	76	86	95	118	143
		Max		A		59	66	72	80	88	102	116	131	145	183	221
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400										

Water cooled multi-scroll chiller, standard efficiency, standard sound

- Dual refrigerant circuit (4 scroll compressors) with single evaporator
- Heat pump version available
- Compact design to allow easy indoor installation or retrofit operations
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- MicroTech 4 controller with superior control logic and easy interface

EWWQ-L-SS

MicroTech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWQ-L-SS

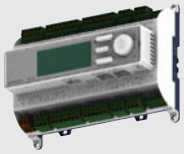
Cooling only/Heating only				EWWQ-L-SS	180	205	230	260	290	330	380
Space cooling	A Condition 35°C	Pdc		kW	187.4	215.1	244.3	272.6	303.2	344.5	386.8
		ηs,c		%	211.72	222.72	232.76	230.32	236.76	233.32	224.84
SEER					5.493	5.768	6.019	5.958	6.119	6.033	5.821
Cooling capacity	Nom.			kW	187.4	215.1	244.3	272.6	303.2	344.5	386.8
Power input	Cooling	Nom.		kW	41.7	47.3	53.1	60.2	67.1	77.1	87
Capacity control	Method				Fixed						
	Minimum capacity			%	25	21	25	22	25	23	25
EER					4.494	4.548	4.601	4.528	4.519	4.468	4.446
ESEER					5.54		5.52	5.53	5.54	5.53	5.54
IPLV					6.77	6.84	6.35	6.38	6.31	6.32	6.36
Dimensions	Unit	Height		mm	1,970						
		Width		mm	928						
		Length		mm	2,801						
Weight	Unit			kg	877	1,062	1,285	1,347	1,439	1,498	1,559
	Operation weight			kg	957	1,156	1,401	1,469	1,575	1,641	1,723
Water heat exchanger - evaporator	Type				Plate heat exchanger						
	Water volume			l	35	41	53		65		76
	Water flow rate	Nom.		l/s	8.97	10.29	11.69	13.04	14.5	16.48	18.51
	Water pressure drop	Cooling	Nom.	kPa	28	27.6	22.6	28	25.1	32.2	31.9
Water heat exchanger - condenser	Type				Plate heat exchanger						
	Water volume			l	19	22	29		35		41
	Water flow rate	Nom.		l/s	11.02	12.66	14.4	16.12	17.9	20.38	22.8
	Water pressure drop	Cooling	Nom.	kPa	72	73	61	49	50	51	55
Compressor	Type				Driven vapour compression						
	Quantity				4						
Sound power level	Cooling	Nom.		dBA	83.0	86.0	88.0	90.0	91.0		
Sound pressure level	Cooling	Nom.		dBA	65.0	68.0	70.0	72.0	74.0		73.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15						
		Heating	Min.~Max.	°CDB	-10~15						
	Condenser	Cooling	Min.~Max.	°CDB	25~55						
		Heating	Min.~Max.	°CDB	25~55						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Charge			kg	20		22		24		30
	Circuits	Quantity			2						
Refrigerant charge				kg/TCO2Eq	10.0/20.9		11.0/23.0		12.0/25.1		15.0/31.3
Piping connections	Evaporator water inlet/outlet (OD)				3"						
	Condenser water inlet/outlet (OD)				1" 1/2		2" 1/2				
Unit	Starting current	Max		A	263	320	333	388	403	456	484
	Running current	Cooling	Nom.	A	83	89	96	109	121	137	151
		Max		A	118	131	144	160	175	205	232
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400						

performances according to CSS software 10.27

Water to water screw heat pump, standard efficiency, standard sound

- Compact design to allow easy indoor installation or retrofit operations
- Daikin semi-hermetic single screw stepless compressor
- High energy efficiency both at full and part load conditions
- Chilled water temperatures down to -10°C on standard unit
- Optimised for use with R-134a
- MicroTech 4 controller with superior control logic and easy interface

EWWD-J-SS



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More details and final information can be found by scanning or clicking the QR codes.

EWWD-J-SS

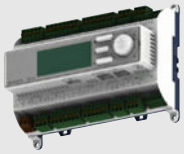
Cooling & Heating					EWWD-J-SS	120	140	150	180	210	250	280
Space heating	Average climate water outlet 55°C	General	SCOP			4.03	4.11	4.16	4.17	4.17	4.23	3.83
Cooling capacity	Nom.			kW		119.7	145.7	154.3	177.3	207.3	255.3	284.1
Heating capacity	Nom.			kW		144.2	175.4	189.8	217.8	252.2	308.4	347.4
Power input	Cooling	Nom.		kW		28.0	34.0	39.5	45.3	50.4	59.9	70.0
Capacity control	Method					Stepless						
	Minimum capacity			%		25.0						
EER						4.28	4.28	3.91	3.92	4.11	4.26	4.06
COP						5.20		4.84	4.85	5.04	5.17	4.98
IPLV						5.18	5.06		5.05	5.16	5.70	4.88
Dimensions	Unit	Height		mm		1,020						
		Width		mm		913						
		Length		mm		2,684						
Weight	Unit			kg		1,177	1,233	1,334	1,366	1,416	1,600	1,607
	Operation weight			kg		1,211	1,276	1,378	1,415	1,473	1,663	1,675
Water heat exchanger - evaporator	Type					Plate heat exchanger						
	Water volume			l		14	18	14	17	20	26	
	Water flow rate	Cooling	Nom.	l/s		5.7	7.0	7.4	8.5	9.9	12.2	13.6
	Water flow rate	Heating	Nom.	l/s		9.3	11.3	12	13.8	16.1	19.8	22.1
	Water pressure drop	Cooling	Nom.	kPa		15	14	43	40	35	28	34
		Heating	Nom.	kPa		36	34	103	96	85	68	82
Water heat exchanger - condenser	Type					Single pass shell and tube						
	Water volume			l		20		23	25	29		32
	Water flow rate	Cooling	Nom.	l/s		7.1	8.64	9.32	10.7	12.4	15.2	17.0
	Water flow rate	Heating	Nom.	l/s		6.93	8.44	9.13	10.5	12.1	14.8	16.7
	Water pressure drop	Cooling	Nom.	kPa		20	13	11		15	17	27
		Heating	Nom.	kPa		19	12	11		15	16	26
Compressor	Type					Single screw compressor						
	Quantity					1						
Sound power level	Cooling	Nom.		dBA		89						
Sound pressure level	Cooling	Nom.		dBA		79						
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		-10~15						
	Condenser	Cooling	Min.~Max.	°CDB		23~60						
Refrigerant	Type/GWP					R-134a/1,430						
	Circuits	Quantity				1						
Refrigerant charge	Per circuit			kg/TCO2Eq		18.0/25.7	35.0/50.1	34.0/48.6	37.0/52.9		38.0/54.3	
Piping connections				mm		76.2						
Piping connections	Condenser water inlet/outlet (OD)					2" 1/2	4"					
Unit	Starting current	Max		A		153		197			290	
	Running current	Cooling	Nom.	A		48	57	67	74	83	97	109
		Max		A		85	103	114	130	154	178	201
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400						

performances according to CSS software 10.34
Fluid: Water; Fouling factor = 0m 2°C/W
Cooling performances: evaporator 12.0/7.0°C, condenser 30.0/35.0°C; Heating performances (Low temperature application): evaporator 10.0/7.0°C, condenser 30.0/35.0°C.

Water to water screw heat pump, standard efficiency, standard sound

- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Daikin semi-hermetic single screw compressor
- Direct expansion plate to plate evaporator
- Shell and tube condenser
- Silver efficiency and standard sound
- Upgrade to new MicroTech 4 controller

EWWH-J_EWWS-J



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More details and final information can be found by scanning or clicking the QR codes.

EWWH-J-SS

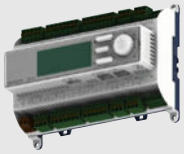
					EWWH-J-SS	090	110	120	130	150	180	200
Space heating	Average climate water outlet 55°C	General	SCOP			3.91	3.92	3.78	3.77	3.80	3.90	3.84
Cooling capacity	Nom.			kW		88.77	107.1	115.1	133.5	150.1	181.6	200.6
Heating capacity	Nom.			kW		107.2	129.2	140.9	162.3	182.2	220.5	245
Power input	Cooling	Nom.		kW		30	36.3	41.7	47.8	54.2	65.7	74.4
Capacity control	Method					Stepless						
	Minimum capacity			%		25						
EER						3.85	3.75	3.72	3.78	3.82	3.67	3.66
COP						4.69	4.57	4.52	4.59	4.67	4.46	4.46
IPLV						4.1	4.11	4.09	4.11	4.12	4.64	4.59
Dimensions	Unit	Height		mm		1,020						
		Width		mm		913						
		Length		mm		2,684						
Weight	Unit			kg		1,177	1,233	1,334	1,366	1,416	1,600	1,607
	Operation weight			kg		1,211	1,276	1,378	1,415	1,473	1,663	1,675
Water heat exchanger - evaporator	Type					Plate heat exchanger						
	Water volume			l		14	18	14	17	20	26	
	Water flow rate	Cooling	Nom.	l/s		4.24	5.11	5.49	6.37	7.16	8.66	9.57
		Heating	Nom.	l/s		6.8	8.3	8.9	10.2	11.8	13.9	15.4
	Water pressure drop	Cooling	Nom.	kPa		10.7	10.9	19.3	19.3	17.8	16.8	20.1
		Heating	Nom.	kPa		24.9	25.9	45.6	44.9	43.7	39.2	47.4
Water heat exchanger - condenser	Type					Single pass shell and tube						
	Water volume			l		20	20	23	25	29		32
	Water flow rate	Cooling	Nom.	l/s		5.18	6.31	6.79	7.84	9.1	10.7	11.9
		Heating	Nom.	l/s		6.77	8.27	8.86	10.2	11.8	13.9	15.4
	Water pressure drop	Cooling	Nom.	kPa		9.1	9.7	8.7	9.1	9.3	12.3	12.1
		Heating	Nom.	kPa		24.9	25.9	45.6	44.9	43.7	39.2	47.4
Compressor	Type					Single screw compressor						
	Quantity					1						
Sound power level	Cooling	Nom.		dBA		89						
Sound pressure level	Cooling	Nom.		dBA		79						
Refrigerant	Type					R-1234(ze)						
	Charge			kg		18	35	34	37		38	
	Circuits	Quantity				1						
Piping connections				mm		76.2						
	Condenser water inlet/outlet			inch		2" 1/2	4					
Unit	Starting current	Max		A		153		197			290	
	Running current	Cooling	Nom.	A		39	44	55	60	65	76	84
		Max		A		75	90	100	114	143	158	178
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400						

performances according to CSS software 10.34
Fluid: Water; Fouling factor = 0m 2°C/W
Cooling performances: evaporator 12.0/7.0°C, condenser 30.0/35.0°C; Heating performances (Low temperature application): evaporator 10.0/7.0°C, condenser 30.0/35.0°C.

Water to water screw heat pump, standard efficiency, standard sound

- Refrigerant R-513A
- Daikin semi-hermetic single screw compressor
- Direct expansion plate to plate evaporator
- Shell and tube condenser
- Silver efficiency and standard sound
- Upgrade to new MicroTech 4 controller

EWWH-J_EWWS-J



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More details and final information can be found by scanning or clicking the QR codes.

EWWS-J-SS

					EWWS-J-SS	120	140	150	180	210	240	270
Space heating	Average climate water outlet 55°C	General	SCOP			3.63	3.54	3.56	3.59	3.62	3.54	3.58
Cooling capacity	Nom.			kW		115.2	136.3	154.7	180.6	207.3	241	272.2
Heating capacity	Nom.			kW		141.7	167.5	191.3	223	256.9	297.	338.2
Power input	Cooling	Nom.		kW		30	36.3	41.7	47.8	54.2	65.7	74.4
Capacity control	Method					Stepless						
	Minimum capacity			%		25						
EER						3.85	3.75	3.72	3.78	3.82	3.67	3.66
COP						4.69	4.57	4.52	4.59	4.67	4.46	
IPLV						4.1	4.11	4.09	4.11	4.12	4.64	4.59
Dimensions	Unit	Height		mm		1,020						
		Width		mm		913						
		Length		mm		2,684						
Weight	Unit			kg		1,177	1,233	1,334	1,366	1,416	1,600	1,607
	Operation weight			kg		1,211	1,276	1,378	1,415	1,473	1,663	1,675
Water heat exchanger - evaporator	Type					Plate heat exchanger						
	Water volume			l		14	18	14	17	20	26	
	Water flow rate	Cooling	Nom.	l/s		5.5	6.5	7.38	8.62	9.89	11.5	13
		Heating	Nom.	l/s		8.8	10.8	12.1	13.8	15.5	19	21.1
	Water pressure drop	Cooling	Nom.	kPa		17.1	16.8	32.8	33.4	31.8	27.9	34.8
		Heating	Nom.	kPa		40.1	41.7	79.4	78.1	71.5	68.9	83.3
Water heat exchanger - condenser	Type					Single pass shell and tube						
	Water volume			l		20	20	23	25	29		32
	Water flow rate	Cooling	Nom.	l/s		6.87	8.38	9.39	10.8	12.1	14.8	16.5
		Heating	Nom.	l/s		6.72	8.2	9.2	10.6	11.9	14.5	16.2
	Water pressure drop	Cooling	Nom.	kPa		15	16.1	15.4	15.9	15.4	22	21.6
		Heating	Nom.	kPa		14.4	15.5	14.8	15.3	14.8	21.2	20.8
Compressor	Type					Single screw compressor						
	Quantity					1						
Sound power level	Cooling	Nom.		dBA		89						
Sound pressure level	Cooling	Nom.		dBA		79						
Refrigerant	Type					R-513A						
	Charge			kg		18	35	34	37		38	
	Circuits	Quantity				1						
Piping connections				mm		76.2						
Piping connections	Condenser water inlet/outlet			inch		2" 1/2	4					
Unit	Starting current	Max		A		154		198			291	
	Running current	Cooling	Nom.	A		50	60	70	78	87	104	117
		Max		A		81	96	108	122	141	164	185
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400						

performances according to CSS software 10.34
Fluid: Water; Fouling factor = 0m 2°C/W
Cooling performances: evaporator 12.0/7.0°C, condenser 30.0/35.0°C; Heating performances (Low temperature application): evaporator 10.0/7.0°C, condenser 30.0/35.0°C.

The highest peak in chiller technology

The VZ chiller series were developed and manufactured to answer the growing market demands on high efficient chiller series. Thanks to the continuous evolution in components' technology, we are the first to reach the highest peak in chiller efficiency and technology.

EWW(H)(D)(S)-VZ at a glance

Single compressor

440kW - 1,050kW with R134a or R513A
330kW – 790kW with R1234ze

Dual compressor & dual circuit unit

1,170kW - 2,070kW with R134a or R513A
865kW - 1,540kW with R1234ze

of everything:
2 compressors,
2 expansion valves,
2 condensers,...

VZ CHILLER SERIES

Full inverter water cooled chiller

INVERTER

New condenser design with integral oil separator

High efficient flooded heat exchangers

Highest efficiency in the market in its category

TOP CLASS EFFICIENCY

Unique Daikin single screw compressor technology

UNIQUE SOLUTION

Performance monitoring

With MT4, advanced algorithm implementation in the unit controller are possible, such as the **Performance Monitoring** (Option 186). This sensor-less algorithm calculates the unit cooling capacity by using refrigerant pressure and temperature readings. Electrical power is calculated either from compressor VFD power and fan, or directly measured through optional energy meter. As a standard(*), **no extra-hardware is required**.

(*) For TZ-B units an additional sub-cooling temperature sensor is required.

Why choose EWW(H)(D)(S)-VZ at a glance chiller series?

1 Top class efficiency

Thanks to:

› New generation Daikin inverter screw compressors
› New generation high efficiency heat exchangers
› Variable volume ratio technology
› Optimized refrigerant circuit design

2 Compact unit: 40% footprint reduction

Thanks to:

› New single pass condenser technology
› New integrated oil separator technology
› Optional knock down panel which reduces the unit width

3 Application flexibility: widest operating envelope in its range

4 Connectivity: Daikin on site cloud platform

5 Future readiness: Choose for today's best solution and be ready for the future!

Supporting tools

Product video

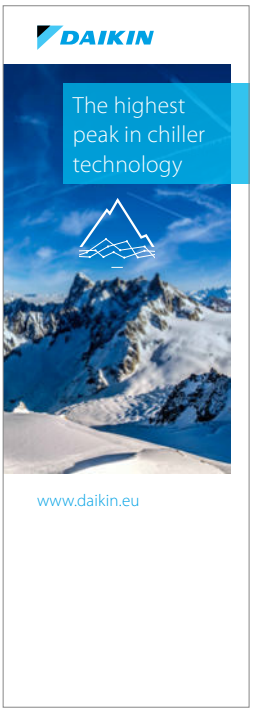
Check on

YouTube

www.youtube.com/
DaikinEurope

Marketing material

All marketing material can be downloaded from the business portal.
Asset finder > Campaign > VZ chiller series



Product profile

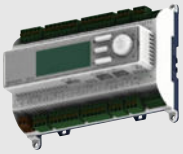
Want to know more about this product?
Have a look at our website and download the product profile:

www.daikineurope.com/vzchillerseries

Water cooled screw inverter chiller, standard efficiency, standard sound

- Optimized energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

EWWD-VZSS



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More details and final information can be found by scanning or clicking the QR codes.

EWWD-VZSS

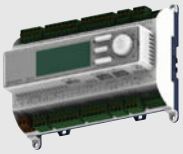
Cooling only/Heating only				EWWD-VZSS	600	700	760	890	C10	C12	C13	C14	C16	C17	C19	C21
Space cooling	A Condition Pdc (35°C - 27/19)			kW	609.91	704.22	756.52	894.23	1,039.49	1,173.02	1,288.02	1,381.01	1,552.02	1,722.02	1,875.55	2,051.2
	ηs,c			%	340		337.2	331.6	332	337.2	331.6	331.2	320.8	338.8	322	338.8
SEER					8.7		8.63	8.49	8.5	8.63	8.49	8.48	8.22	8.67	8.25	8.67
Cooling capacity	Nom.			kW	610	704	757	894	1,039	1,173	1,288	1,381	1,552	1,722	1,876	2,051
Power input	Cooling	Nom.		kW	110	132	142	162	196	231	252	276	315	339	380	404
Capacity control	Method				Variable											
	Minimum capacity			%	20					10						
EER					5.5	5.31	5.3	5.52	5.29	5.07	5.11	5	4.93	5.08	4.93	5.08
IPLV					9.43	9.36	9.4	9.37	9.4	9.52	9.56	9.57	9.36	9.7	9.38	9.65
Dimensions	Unit	Height		mm	2,123			2,292	2,487	2,296				2,350	2,338	2,498
		Width		mm	1,178	1,179		1,233	1,303	1,484	1,487		1,484	1,580	1,627	1,753
		Length		mm	3,722	3,750		3,690	3,822	4,792				4,508		4,750
Weight	Unit			kg	2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation weight			kg	2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume			l	88		96	134	156	230		270		320		380
	Water flow rate	Cooling	Nom.	l/s	29.2	33.8	36.3	42.9	49.9	56.2	61.7	66.1	74.4	82.5	89.9	98.2
	Water pressure drop	Cooling	Nom.	kPa	79	106	88	98	102	69	84	70	89	78	92	80
Water heat exchanger - condenser	Type				Shell and tube											
	Water volume			l	81	102		126	217	180	200			270	250	430
	Water flow rate	Cooling	Nom.	l/s	35.3	41	44.1	51.9	60.6	69.1	75.8	81.5	91.9	101	111	120
	Water pressure drop	Cooling	Nom.	kPa	31	29	33	29	33	44	39	45	66	42	55	37
Compressor	Type				Driven vapour compressor											
	Quantity				1					2						
Sound power level	Cooling	Nom.		dBA	101	105			107	106		107		108		110
Sound pressure level	Cooling	Nom.		dBA	82	86			88	87		88		89		90
Operation range	Evaporator		Min.~Max.	°CDB	-12~20											
	Condenser		Min.~Max.	°CDB	19~63											
Refrigerant	Type/GWP				R-134a/1,430											
	Charge			kg	125	120	125	145	180	250	260	270	220	305	290	350
	Circuits	Quantity			1					2						
Piping connections				mm	139.7			168.3	219.1							
	Condenser water inlet/outlet (OD)				168.3mm			219.1mm		168.3/168.3 mm				219.1/219.1 mm		
	Running current	Cooling	Nom.	A	171	202	220	249	300	349	379	414	470	508	566	604
Unit	Running current	Max		A	235	280	301	342	417	470	513	559	621	696	758	834
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400											

performances according to CSS software 10.33

Water cooled screw inverter chiller, high efficiency, standard sound

- High energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

EWWD-VZXS



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More details and final information can be found by scanning or clicking the QR codes.

EWWD-VZXS

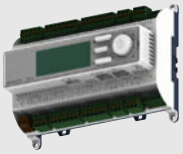
Cooling only/Heating only				EWWD-VZXS	450	500	610	710	800	900	C11	C12	C13	C14	C16	C17	C19	C21
Space cooling	A Condition (35°C - 27/19) Pdc			kW	448.83	500.51	612.77	713.11	793.52	901.21	1,053.02	1,194.03	1,305.01	1,406.98	1,593.03	1,748.03	1,912.01	2,074.02
	ηs,c			%	324.8	329.2	347.2	350	345.6	337.6	344.4	347.6	342.4	348	347.2	347.6	337.2	344.4
SEER					8.32	8.43	8.88	8.95	8.84	8.64	8.81	8.89	8.76	8.9	8.88	8.89	8.63	8.81
Cooling capacity	Nom.			kW	449	501	613	713	794	901	1,053	1,194	1,305	1,407	1,593	1,748	1,912	2,074
Power input	Cooling	Nom.		kW	81.2	89.7	108	128	146	159	192	221	244	262	296	329	365	394
Capacity control	Method				Variable													
	Minimum capacity			%	20							10						
EER					5.53	5.58	5.64	5.54	5.43	5.67	5.46	5.38	5.34	5.36	5.38	5.31	5.23	5.25
IPLV					9.42	9.59	9.52	9.66	9.64	9.48	9.58	9.66	9.67	9.76	9.74	9.82	9.68	9.7
Dimensions	Unit	Height		mm	2,135		2,123	2,235		2,487		2,296		2,301	2,350	2,500	2,469	2,493
		Width		mm	1,178		1,179	1,189		1,303		1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Length		mm	3,722		3,750	3,690		3,822		4,792		4,508		4,750	4,874	
Weight	Unit			kg	2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation weight			kg	3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger - evaporator	Type				Flooded shell and tube													
	Water volume			l	70	88	136	134		168	199	270		320		380	480	
	Water flow rate	Cooling	Nom.	l/s	21.5	24	29.3	34.1	38	43.2	50.4	57.1	62.5	67.3	76.3	83.6	91.4	99.2
	Water pressure drop	Cooling	Nom.	kPa	89	63	59	63	55	67	59	52	62	52	67	58	49	58
Water heat exchanger - condenser	Type				Shell and tube													
	Water volume			l	81	92	126	145	126	217	241	240	250	290		390	290	480
	Water flow rate	Cooling	Nom.	l/s	26.4	29.4	35.3	41.2	46.1	52	61	69.8	76.3	82.2	93.2	102	112	121
	Water pressure drop	Cooling	Nom.	kPa	31	28	22	20	24	25		28		21	32	27	37	28
Compressor	Type				Driven vapour compressor													
	Quantity				1							2						
Sound power level	Cooling	Nom.		dBA	97	99	101	105			107	106		107		108	109	110
Sound pressure level	Cooling	Nom.		dBA	78	80	82	86			88	87		88		89		90
Operation range	Evaporator		Min.~Max.	°CDB	-12~20													
	Condenser		Min.~Max.	°CDB	19~65													
Refrigerant	Type/GWP				R-134a/1,430													
	Charge			kg	110		125	140	160	200	185	270	260	230	290	290	320	370
	Circuits	Quantity			1							2						
Piping connections				mm	139.7			168.3		219.1							273	
	Condenser water inlet/outlet (OD)				168.3mm		219.1mm					168.3/ 219.1 mm		219.1/219.1 mm				
	Running current	Cooling	Nom.	A	126	140	171	201	229	249	299	340	372	400	450	498	554	596
Unit	Running current	Max		A	172	191	235	280	316	342	417	470	513	559	621	696	758	834
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400													

performances according to CSS software 10.33

Water cooled screw inverter chiller, premium efficiency, standard sound

- Premium energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

EWWD-VZ



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More details and final information can be found by scanning or clicking the QR codes.

EWWD-VZPS

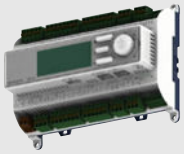
Cooling only/ Heating only				EWWD-VZPS	505	715	910	C12	C16	C18
Space cooling	A Condition Pdc (35°C - 27/19)			kW	505.02	717.71	908.11	1,201.02	1,604.03	1,757.01
	ηs,c			%	339.6	355.2	344.4	353.6	354	350
SEER					8.69	9.08	8.81	9.04	9.05	8.95
Cooling capacity	Nom.			kW	505	718	908	1,201	1,604	1,757
Power input	Cooling	Nom.		kW	85.1	124	153	218	291	326
Capacity control	Method				Variable					
	Minimum capacity			%	20			10		
EER					5.93	5.77	5.91	5.49	5.5	5.39
IPLV					9.61	9.68	9.57	9.79	9.82	9.92
Dimensions	Unit	Height		mm	2,108	2,430	2,487	2,302	2,500	2,493
		Width		mm	1,179	1,287	1,303	1,579	1,610	1,769
		Length		mm	3,750	3,822		4,508	4,750	4,874
Weight	Unit			kg	3,247	4,082	4,346	6,310	7,530	8,250
	Operation weight			kg	3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger - evaporator	Type				Flooded shell and tube					
	Water volume			l	96	168	199	320	380	480
	Water flow rate	Cooling	Nom.	l/s	24.2	34.3	43.4	57.4	76.7	84
	Water pressure drop	Cooling	Nom.	kPa	55	42	44	38	49	41
Water heat exchanger - condenser	Type				Shell and tube					
	Water volume			l	126	217	241	270	390	470
	Water flow rate	Cooling	Nom.	l/s	29.4	41.3	52.1	69.9	93.4	102
	Water pressure drop	Cooling	Nom.	kPa	16	17	19	21		28
Compressor	Type				Driven vapour compressor					
	Quantity				1			2		
Sound power level	Cooling	Nom.		dBA	99	105		106	107	109
Sound pressure level	Cooling	Nom.		dBA	80	86		87	88	89
Operation range	Evaporator		Min.~Max.	°CDB	-12~20					
	Condenser		Min.~Max.	°CDB	19~65					
Refrigerant	Type/GWP				R-134a/1,430					
	Charge			kg	120	195	185	305	320	350
	Circuits	Quantity			1			2		
Piping connections				mm	139.7	219.1				273
	Condenser water inlet/outlet (OD)				219.1mm			219.1/219.1 mm		
	Running current	Cooling	Nom.	A	138	200	247	338	447	497
Unit	Running current	Max		A	191	280	342	470	621	696
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400					

performances according to CSS software 10.33

Water cooled screw inverter chiller, standard efficiency, standard sound

- Optimized energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 75°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

EWWH-VZSS



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EWWH-VZSS

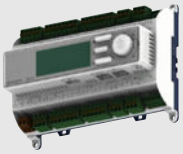
Cooling only/Heating only				EWWH-VZSS	445	515	550	660	770	860	940	C10	C12	C13	C14	C15
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		443	512	548.51	657.51	767.8	865.2	940.6	1,011.7	1,142.46	1,271.38	1,396.11	1,524.83
	ηs,c		%		336.4	338.4	336.8	348.4	345.2	318.4	327.2	339.6	331.2	340	345.6	353.2
SEER					8.61	8.66	8.62	8.91	8.83	8.16	8.38	8.69	8.48	8.7	8.84	9.03
Cooling capacity	Nom.		kW		443	512	549	658	768	865	941	1,012	1,142	1,271	1,396	1,525
Power input	Cooling	Nom.	kW		82.8	98.1	107	123	149	172	188	205	235	254	282	302
Capacity control	Method				Variable											
	Minimum capacity		%		20					10						
EER					5.35	5.22	5.15	5.34	5.14	5.02	5	4.93	4.87	5.01	4.95	5.04
IPLV					9.25		9.24	9.48	9.32	8.94	9.08	9.13	9.14	9.3	9.13	9.34
Dimensions	Unit	Height	mm		2,123			2,292	2,487	2,296				2,350	2,338	2,498
		Width	mm		1,178	1,179		1,233	1,303	1,484	1,487		1,484	1,580	1,627	1,753
		Length	mm		3,722	3,750		3,690	3,822	4,792				4,508		4,750
Weight	Unit		kg		2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation weight		kg		2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume		l		88		96	134	156	230		270		320		380
	Water flow rate	Cooling	Nom.	l/s	21.2	24.5	26.2	31.5	36.8	41.4	45	48.4	54.6	60.8	66.8	72.9
	Water pressure drop	Cooling	Nom.	kPa	46	61	52	59	64	39	46	39	50	44	53	45
Water heat exchanger - condenser	Type				Shell and tube											
	Water volume		l		81	102		126	217	180	200			270	250	430
	Water flow rate	Cooling	Nom.	l/s	25.5	29.6	31.8	38.1	44.8	50.3	54.8	59	66.8	74	81.4	88.7
	Water pressure drop	Cooling	Nom.	kPa	19	17	20	19	17	25	22	25	38	25	32	18
Compressor	Type				Driven vapour compression											
	Quantity				1					2						
Sound power level	Cooling	Nom.	dBA		101	105			107	106		107		108		110
Sound pressure level	Cooling	Nom.	dBA		82	86			88	87		88		89		90
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge		kg		125	124	105	145	190	210	230	250	220	280		320
	Circuits	Quantity			1					2						
Piping connections			mm		139.7			168.3	219.1							
	Condenser water inlet/outlet (OD)				168.3mm			219.1mm		168.3/168.3 mm				219.1/219.1 mm		
Unit	Running current	Cooling	Nom.	A	131.0	153.0	167.0	188.0	227.0	264.0	287.0	312.0	353.0	385.0	426.0	458.0
		Max		A	183	226	235	268	324	374	402	451	493	549	591	647
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400											

performances according to CSS software 10.33

Water cooled screw inverter chiller, high efficiency, standard sound

- High energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 75°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

EWWH-VZXS



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EWWH-VZXS

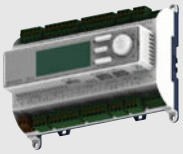
Cooling only/Heating only				EWWH-VZXS	335	365	450	525	580	670	800	875	950	C11	C12	C13	C14	C15
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		329.01	364.52	448	520.61	579.19	665.41	788.2	877.36	952.01	1,028.81	1,169.3	1,288.48	1,421.75	1,540.03
	ηs,c		%		296	307.2	343.6	347.2	343.2	356	354.4	326	334	346.8			358	356.8
SEER					7.6	7.88	8.79	8.88	8.78	9.1	9.06	8.35	8.55	8.87			9.15	9.12
Cooling capacity	Nom.		kW		329	365	448	521	579	665	788	877	952	1,029	1,169	1,288	1,422	1,540
Power input	Cooling	Nom.	kW		60.5	66.6	81	96	109	121	147	168	185	198	224	248	276	298
Capacity control	Method				Variable													
	Minimum capacity		%		20							10						
EER					5.44	5.48	5.53	5.42	5.29	5.49	5.37	5.23	5.16	5.19	5.22	5.19	5.16	
IPLV					8.51	8.79	9.46	9.51	9.47	9.63	9.65	9.19	9.27	9.46	9.37	9.52	9.23	9.5
Dimensions	Unit	Height	mm		2,135		2,123	2,235		2,487		2,296		2,301	2,350	2,500	2,469	2,493
		Width	mm		1,178		1,179	1,189		1,303		1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Length	mm		3,722		3,750	3,690		3,822		4,792		4,508		4,750	4,874	
Weight	Unit		kg		2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation weight		kg		3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger - evaporator	Type				Flooded shell and tube													
	Water volume		l		70	88	136	134		168	199	270		320		380	480	
	Water flow rate	Cooling Nom.	l/s		15.8	17.5	21.4	24.9	27.7	31.8	37.7	41.9	45.5	49.1	55.9	61.6	67.9	73.6
	Water pressure drop	Cooling Nom.	kPa		54	38	35	37	31	39	36	29	34	28	37	32	28	33
Water heat exchanger - condenser	Water volume		l		81	92	126	145	126	217	241	240	250	290		390	290	480
	Water flow rate	Cooling Nom.	l/s		18.9	20.9	25.7	30	33.5	38.4	45.7	50.7	55.1	59.6	67.6	74.6	82.3	89.3
	Water pressure drop	Cooling Nom.	kPa		19	16	13	12	15	13	16			13	19	16	23	16
Compressor	Type				Driven vapour compression													
	Quantity				1							2						
Sound power level	Cooling	Nom.	dBA		97	99	101	105			107	106		107		108	109	110
Sound pressure level	Cooling	Nom.	dBA		78	80	82	86			88	87		88		89		90
Refrigerant	Type/GWP				R-1234(ze)/7													
	Charge		kg		124	110	125	140	130	200	185	250	220	270	255	305	320	346
	Circuits	Quantity			1							2						
Piping connections			mm		139.7			168.3				219.1					273	
	Condenser water inlet/outlet (OD)				168.3mm			219.1mm				168.3/ 219.1 mm		219.1/219.1 mm				
Unit	Running current	Cooling Nom.	A		96.0	106.0	129.0	151.0	173.0	187.0	226.0	259.0	284.0	304.0	341.0	379.0	421.0	454.0
		Max	A		134	149	183	226	247	268	324	374	402	451	493	549	591	647
Power supply	Phase/Frequency/Voltage		Hz/V		3~/50/400													

performances according to CSS software 10.33

Water cooled screw inverter chiller, premium efficiency, standard sound

- Premium energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 75°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

EWWH-VZPS



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EWWH-VZPS

Cooling only/Heating only				EWWH-VZPS	370	530	680	880	C12	C13
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	369.3	525.1	677.11	883.79	1,180.43	1,295.36
	ηs,c			%	316.8	352.8	363.6	334.4	352.4	348.8
SEER					8.12	9.02	9.29	8.56	9.01	8.92
Cooling capacity	Nom.			kW	369	525	677	884	1,180	1,295
Power input	Cooling	Nom.		kW	64.7	94.9	119	166	221	247
Capacity control	Method				Variable					
	Minimum capacity			%	20				10	
EER					5.71	5.53	5.67	5.34	5.35	5.25
IPLV					9.13	9.68	9.96	9.37	9.56	9.61
Dimensions	Unit	Height		mm	2,108	2,430	2,487	2,302	2,500	2,493
		Width		mm	1,179	1,287	1,303	1,579	1,610	1,769
		Length		mm	3,750	3,822		4,508	4,750	4,874
Weight	Unit			kg	3,247	4,082	4,346	6,310	7,530	8,250
	Operation weight			kg	3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger - evaporator	Type				Flooded shell and tube					
	Water volume			l	96	168	199	320	380	480
	Water flow rate	Cooling	Nom.	l/s	17.7	25.1	32.3	42.2	56.4	61.9
	Water pressure drop	Cooling	Nom.	kPa	32	25	27	20	26	23
Water heat exchanger - condenser	Type				Shell and tube					
	Water volume			l	126	217	241	270	390	470
	Water flow rate	Cooling	Nom.	l/s	21.1	30.1	38.9	50.9	68	74.9
	Water pressure drop	Cooling	Nom.	kPa	9		12	13	12	16
Compressor	Type				Driven vapour compression					
	Quantity				1				2	
Sound power level	Cooling	Nom.		dBA	99	105		106	107	109
Sound pressure level	Cooling	Nom.		dBA	80	86		87	88	89
Refrigerant	Type/GWP				R-1234(ze)/7					
	Charge			kg	120	190	185	305	288	350
	Circuits	Quantity			1				2	
Piping connections				mm	139.7	219.1				273
	Condenser water inlet/outlet (OD)				219.1mm				219.1/219.1 mm	
Unit	Running current	Cooling	Nom.	A	104.0	150.0	185.0	257.0	338.0	378.0
		Max		A	149	226	268	374	493	549
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400					

performances according to CSS software 10.33

INVERTER

Water to water screw inverter chiller, standard efficiency, standard sound

EWWS-VZ

- Optimized energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 60°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

More details and final information can be found by scanning or clicking the QR codes.

EWWS-VZSS

Cooling only/Heating only				EWWS-VZSS	600	700	740	880	C10	C12	C13	C14	C15	C17	C18	C20
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		599.51	693.51	743.53	879.64	1,020.09	1,148.76	1,263.41	1,351.54	1,514.87	1,689.58	1,831.98	2,013.41
	ηs,c		%		316	314.4	313.2	320	313.2	321.2	314.8	312	297.6	313.6	304	318.4
SEER					8.1	8.06	8.03	8.2	8.03	8.23	8.07	8	7.64	8.04	7.8	8.16
Cooling capacity	Nom.		kW		600	694	744	880	1,020	1,149	1,263	1,352	1,515	1,690	1,832	2,013
Power input	Cooling	Nom.	kW		120.1	143.3	154.7	175.2	212.7	251.8	273.9	301	343	367.4	413.5	437.2
Capacity control	Method				Variable											
	Minimum capacity		%		20					10						
EER					4.99	4.84	4.81	5.02	4.8	4.56	4.61	4.49	4.42	4.6	4.43	4.61
IPLV					9.02	9.15		8.84	8.88	9.06	9.31	9.23	8.9	9.18	8.88	9.05
Dimensions	Unit	Height	mm		2,123			2,292	2,487	2,296				2,350	2,338	2,498
		Width	mm		1,178	1,179		1,233	1,303	1,484	1,487		1,484	1,580	1,627	1,753
		Depth	mm		3,722	3,750		3,690	3,822	4,792				4,508		4,750
Weight	Unit		kg		2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation weight		kg		2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume		l		88		96	134	156	230		270		320		380
	Water flow rate	Cooling Nom.	l/s		28.7	33.3	35.7	42.2	48.9	55	60.6	64.7	72.6	80.9	87.8	96.4
	Water pressure drop	Cooling Nom.	kPa		80	108	89	100	103	69	85	70	89	79	92	81
Water heat exchanger - condenser	Type				Flooded Shell & Tube											
	Water volume		l		81	102		126	217	180	200			270	250	430
	Water flow rate	Cooling Nom.	l/s		34.5	40.1	43.2	50.6	59.3	67.1	73.7	79.2	89	98.7	107	117
	Water pressure drop	Cooling Nom.	kPa		31	29	32	29	33	43	38	44	64	41	53	36
Compressor	Type				Driven vapour compressor											
	Quantity				1					2						
Sound power level	Cooling	Nom.	dBA		101	105			107	106		107		108		110
Sound pressure level	Cooling	Nom.	dBA		82	86			88	87		88		89		90
Refrigerant	Type/GWP				R-513A/631											
	Charge		kg		100	110		170	180	250	260	270	290	295	320	350
	Circuits	Quantity			1					2						
Piping connections			mm		139.7			168.3	219.1							
			mm		168.3			219.1		168.3				219.1		

performances according to CSS software 10.33

INVERTER

Water to water screw inverter chiller, high efficiency, standard sound

EWWS-VZ

- High energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 62°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

More details and final information can be found by scanning or clicking the QR codes.

EWWS-VZXS

Cooling only/Heating only				EWWS-VZXS	450	490	600	700	780	890	C10	C12	C13	C14	C16	C17	C19	C20
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		441.23	493.3	605.32	704.66	783.15	888.89	1,038.67	1,178.53	1,287.26	1,390.42	1,570.18	1,725.3	1,876.17	2,045.66
	ηs,c		%		306.4	313.6	328.4	329.2	328	328.4	328.8	331.2	326.4	329.2	331.2	326.4	323.2	326.8
SEER					7.86	8.04	8.41	8.43	8.4	8.41	8.42	8.48	8.36	8.43	8.48	8.36	8.28	8.37
Cooling capacity	Nom.		kW		441	493	605	705	783	889	1,039	1,179	1,287	1,390	1,570	1,725	1,876	2,046
Power input	Cooling	Nom.	kW		87.8	96.8	116.8	138.6	157.7	171.3	207.8	239.2	263.6	282.6	319.6	354.3	396.6	425.5
Capacity control	Method				Variable													
	Minimum capacity		%		20							10						
EER					5.02	5.1	5.18	5.09	4.97	5.19	5	4.93	4.88	4.92	4.91	4.87	4.73	4.81
IPLV					8.87	9.01	9.29	9.43	9.39	8.96	9.27	9.24	9.48	9.43	9.39	9.29	9.15	
Dimensions	Unit	Height	mm		2,135		2,123	2,235		2,487		2,296		2,301	2,350	2,500	2,469	2,493
		Width	mm		1,178		1,179	1,189		1,303		1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Depth	mm		3,722		3,750	3,690		3,822		4,792		4,508		4,750	4,874	
Weight	Unit		kg		2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation weight		kg		3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger - evaporator	Type				Flooded shell and tube													
	Water volume		l		70	88	136	134		168	199	270		320		380	480	
	Water flow rate	Cooling Nom.	l/s		21.2	23.6	29	33.7	37.5	42.6	49.7	56.4	61.6	66.5	75.2	82.6	89.7	97.9
	Water pressure drop	Cooling Nom.	kPa		91	64	61	65	57	69	60	53	64	53	68	59	50	60
Water heat exchanger - condenser	Type				Flooded Shell & Tube													
	Water volume		l		81	92	126	145	126	217	241	240	250	290		390	290	480
	Water flow rate	Cooling Nom.	l/s		25.8	28.7	34.5	40.4	45.1	50.8	59.8	68	74.4	80.2	90.7	99.8	108	118
	Water pressure drop	Cooling Nom.	kPa		31	27	22	20	24	25		28		21	32	27	36	27
Compressor	Type				Driven vapour compressor													
	Quantity				1							2						
Sound power level	Cooling	Nom.	dBA		97	99	101	105			107	106		107		108	109	110
Sound pressure level	Cooling	Nom.	dBA		78	80	82	86			88	87		88		89		90
Refrigerant	Type/GWP				R-513A/631													
	Charge		kg		95		130	110	170	210	185	250	260	290		320		350
	Circuits	Quantity			1							2						
Piping connections			mm		139.7			168.3				219.1					273	
			mm		168.3			219.1				168.3/219.1		219.1				

performances according to CSS software 10.33

INVERTER

Water to water screw inverter chiller, premium efficiency, standard sound

EWWS-VZ

- Premium energy efficiency both at full and part load conditions
- Compact footprint through stacked heat exchanger lay-out
- Heat pump version with reversibility on water side (up to 62°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- One or two truly independent refrigerant circuits for outstanding reliability

More details and final information can be found by scanning or clicking the QR codes.

EWWS-VZPS

Cooling only/Heating only				EWWS-VZPS	500	710	900	C12	C16	C17
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	500.08	710.08	898.24	1,187.65	1,585.78	1,735.47
	ηs,c			%	321.6	334	335.2	336.4		330
SEER					8.24	8.55	8.58	8.61		8.45
Cooling capacity	Nom.			kW	500	710	898	1,188	1,586	1,735
Power input	Cooling	Nom.		kW	91.3	133.8	165.1	235.4	313.7	350.7
Capacity control	Method				Variable					
	Minimum capacity			%	20			10		
EER					5.48	5.31	5.44	5.05		4.95
IPLV					9.13	9.48	9.17	9.36	9.48	9.4
Dimensions	Unit	Height		mm	2,108	2,430	2,487	2,302	2,500	2,493
		Width		mm	1,179	1,287	1,303	1,579	1,610	1,769
		Depth		mm	3,750	3,822		4,508	4,750	4,874
Weight	Unit			kg	3,247	4,082	4,346	6,310	7,530	8,250
	Operation weight			kg	3,375	4,349	4,660	6,900	8,300	9,200
Water heat exchanger - evaporator	Type				Flooded shell and tube					
	Water volume			l	96	168	199	320	380	480
	Water flow rate	Cooling	Nom.	l/s	23.9	34	43	56.8	75.8	83
	Water pressure drop	Cooling	Nom.	kPa	57	44	46	39	50	42
Water heat exchanger - condenser	Type				Flooded Shell & Tube					
	Water volume			l	126	217	241	270	390	470
	Water flow rate	Cooling	Nom.	l/s	28.9	40.6	51.1	68.3	91.1	100
	Water pressure drop	Cooling	Nom.	kPa	16	17	19	21		27
Compressor	Type				Driven vapour compressor					
	Quantity				1			2		
Sound power level	Cooling	Nom.		dBA	99	105		106	107	109
Sound pressure level	Cooling	Nom.		dBA	80	86		87	88	89
Refrigerant	Type/GWP				R-513A/631					
	Charge			kg	130	180		190	320	350
	Circuits	Quantity			1				2	
Piping connections				mm	139.7	219.1				273
				mm	219.1					

performances according to CSS software 10.33

Water cooled scroll heat pump

- One of the most compact units on the market: 600mm x 600mm x 600mm
- Low energy consumption
- Low operating sound level
- Easy installation and maintenance
- Stainless steel plate heat exchanger
- Low refrigerant volume
- Standard integrated: pressure ports, flow switch, filter, shut-off valves and air purge
- Advanced µC^{2}SE controller for direct connection to a Modbus based BMS or to a remote user interface

EWLQ-KC_EWWQ-KC_hydracube_modulo_03

More details and final information can be found by scanning or clicking the QR codes.

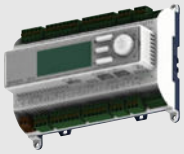
EWLQ-KC

Cooling Only				EWLQ-KC	014	025	033	049	064
Cooling capacity	Nom.			kW	12.09	19.87	28.90	39.35	57.84
Power input	Cooling	Nom.		kW	3.74	6.11	8.43	12.03	16.41
Capacity control	Method				Fixed				
	Minimum capacity			%	100			50	
EER					3.237	3.254	3.429	3.27	3.524
Dimensions	Unit	Height		mm	600				
		Width		mm	600				
		Depth		mm	600			1,200	
Weight	Unit			kg	62	124	130	238	249
	Operation weight			kg	70	129	135	247	258
Water heat exchanger - evaporator	Type				Brazed plate				
	Water volume			l	1.47	1.96	2.74	4.47	5.88
	Water flow rate	Cooling	Nom.	l/s	0.576	0.947	1.378	1.876	2.757
	Water pressure drop	Cooling	Nom.	kPa	9.71	16.4	21.6	20.5	34.8
Compressor	Type				Scroll compressor				
	Quantity				1			2	
Sound power level	Cooling	Nom.		dBA	69.0		76.0	72.0	79.0
Sound pressure level	Cooling	Nom.		dBA	55.2		62.1	57.6	64.6
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10 ~20				
	Condenser	Heating	Min.~Max.	°CDB	20 ~55				
Refrigerant	Type/GWP				R-410A/2,088.0				
	Charge			kg	0.0				
	Circuits	Quantity			1			2	
Piping connections	Evaporator water inlet/outlet (OD)				G1"			G1" 1/2	
Unit	Starting current	Max		A	57.4	109.3	124.3	124.8	143.6
	Running current	Cooling	Nom.	A	6.57	10.5	14.1	20.9	28.1
		Max		A	9.16	15.5	19.3	31.0	38.7
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50 /400				

Condenserless multi-scroll chiller, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- For chilled water production, to be combined with a remote condensing unit
- Compact design to allow easy indoor installation or retrofit operations
- Conceived for stacked installation of two single circuit units to reduce the footprint
- High efficiency and reliable scroll compressor
- Stainless steel plate heat exchanger

EWLQ-G-SS



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More details and final information can be found by scanning or clicking the QR codes.

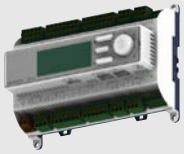
EWLQ-G-SS

Cooling only				EWLQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Cooling capacity	Nom.			kW	86.5	98.4	110	125	139	160	181	206	231	290	346
Power input	Cooling	Nom.		kW	22.4	25.8	29.2	33.0	36.8	42.0	47.0	54.2	59.9	75.6	91.8
Capacity control	Method				Step										
	Minimum capacity			%	50.0	43.0	50.0	44.0	50.0	45.0	50.0	43.0	50.0	40.0	50.0
EER					3.86	3.81	3.78	3.79		3.80	3.86	3.80	3.85	3.84	3.77
Dimensions	Unit	Height		mm	1,066									1,186	
		Width		mm	928										
		Length		mm	2,743										
Weight	Unit			kg	494	578	686	714	742	773	807	838	852	967	1,046
	Operation weight			kg	525	615	729	760	791	826	863	901	916	1,044	1,134
Water heat exchanger - evaporator	Type				Plate heat exchanger										
	Water volume			l	6	8		10	12	13	15	17		27	34
	Water flow rate	Nom.		l/s	4.2	4.7	5.3	6.0	6.7	7.7	8.7	9.8	11.1	13.9	16.6
	Water pressure drop	Cooling	Nom.	kPa	44		35	29		31	33	30	38	41	
Compressor	Type				Scroll compressor										
	Quantity				2										
Sound power level	Cooling	Nom.		dBA	80.0	83.0	85.0	87.0	88.0			90.0	92.0	93.0	
Sound pressure level	Cooling	Nom.		dBA	64.0	67.0	69.0	70.0	72.0			74.0	76.0		77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15										
	Condenser	Cooling	Min.~Max.	°CDB	30~60										
Refrigerant	Type / GWP				R-410A / 2,087.5										
	Circuits	Quantity			1										
Piping connections	Evaporator water inlet/outlet (OD)				1" 1/2		2" 1/2							3"	
Unit	Starting current	Max		A	204	255	261	308	316	354	368	466	481.0	640	677
	Running current	Cooling	Nom.	A	39	42	45	51	57	64	70	81	88	111	135
		Max		A	59	66	72	80	88	102	116	131	145	183	221
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

Condenserless multi-scroll chiller, standard efficiency, standard sound

- Dual refrigerant circuit (4 scroll compressors) with single evaporator
- For chilled water production, to be combined with a remote condensing unit
- Compact design to allow easy indoor installation or retrofit operations
- High efficiency and reliable scroll compressor
- Stainless steel plate heat exchanger

EWLQ-L-SS



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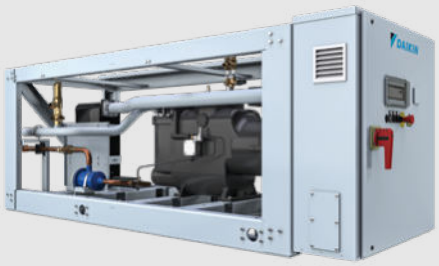
More details and final information can be found by scanning or clicking the QR codes.

EWLQ-L-SS

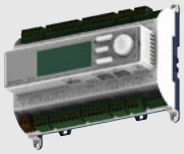
Cooling only				EWLQ-L-SS	180	205	230	260	290	330	380	430	480	540	600	660	720
Cooling capacity	Nom.			kW	173	197	224	249	279	317	361	409	459	511	571	624	676
Power input	Cooling	Nom.		kW	44.3	51.1	57.9	65.6	73.2	83.8	93.5	108	119	135	152	168	184
Capacity control	Method				Step												
	Minimum capacity			%	25.0	21.0	25.0	22.0	25.0	23.0	25.0	21.0	25.0	22.0	20.0	18.0	25.0
EER					3.91	3.86	3.87	3.79	3.81	3.78	3.86	3.79	3.84	3.78	3.76	3.71	3.67
Dimensions	Unit	Height		mm	1,970									2,090	2,210		
		Width		mm	928												
		Length		mm	2,801												
Weight	Unit			kg	832	1,007	1,202	1,252	1,333	1,380	1,432	1,511	1,560	1,609	1,694	1,833	1,957
	Operation weight			kg	894	1,081	1,292	1,345	1,436	1,486	1,547	1,638	1,690	1,741	1,844	1,990	2,120
Water heat exchanger - evaporator	Type				Plate heat exchanger												
	Water volume			l	19	22	29		35		41	49			62		
	Water flow rate	Nom.		l/s	8.3	9.5	10.7	11.9	13.4	15.2	17.3	19.6	21.9	24.5	27.3	29.9	32.4
	Water pressure drop	Cooling	Nom.	kPa	25		20	25	22	29			36	45	44	52	62
Compressor	Type				Scroll compressor												
	Quantity				4												
Sound power level	Cooling	Nom.		dBA	83.0	86.0	88.0	90.0	91.0			93.0	95.0			96.0	
Sound pressure level	Cooling	Nom.		dBA	65.0	68.0	70.0	72.0	74.0		73.0	76.0	77.0		78.0		
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15												
	Condenser	Cooling	Min.~Max.	°CDB	30~60												
Refrigerant	Type / GWP				R-410A / 2,087.5												
	Circuits	Quantity			2												
Piping connections	Evaporator water inlet/outlet (OD)				3"												
Unit	Starting current	Max		A	263	320	333	388	403	456	484	597	626	785	822	860	898
	Running current	Cooling	Nom.	A	78	84	90	102	114	128	141	161	176	199	223	246	269
		Max		A	118	131	144	160	175	205	232	262	290	328	366	403	441
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400												

Condenserless screw chiller, standard efficiency, standard sound

- Compact design to allow easy indoor installation or retrofit operations
- Daikin semi-hermetic single screw stepless compressor
- High energy efficiency both at full and part load conditions
- Chilled water temperatures down to -10°C on standard unit
- Optimised for use with R-134a
- MicroTech 4 controller with superior control logic and easy interface



EWLD-J-SS



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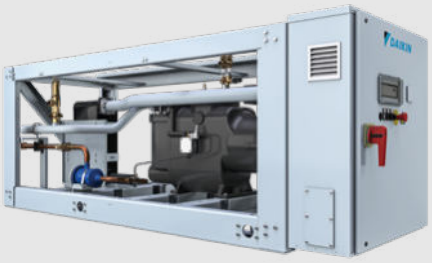
EWLD-J-SS

Cooling only				EWLD-J-SS	110	130	145	165	195	235	265
Cooling capacity	Nom.			kW	110	128	142	163	191	236	264
Power input	Cooling	Nom.		kW	31.2	38.4	43.8	50.4	56.0	66.0	75.3
Capacity control	Method				Stepless						
	Minimum capacity			%	25.0						
EER					3.51	3.33	3.25	3.24	3.42	3.58	3.51
Dimensions	Unit	Height		mm	1,020						
		Width		mm	913						
		Length		mm	2,684						
Weight	Unit			kg	1,124	1,141	1,237	1,263	1,305	1,489	1,489
	Operation weight			kg	1,138	1,159	1,253	1,281	1,327	1,518	1,518
Water heat exchanger - evaporator	Type				Plate heat exchanger						
	Water volume			l	14	18	14	17	20	26	26
	Water flow rate	Nom.		l/s	5.2	6.1	6.8	7.8	9.2	11.3	12.6
	Water pressure drop	Cooling	Nom.	kPa	14	13	39	37	33	26	32
Compressor	Type				Single screw compressor						
	Quantity				1						
Sound power level	Cooling	Nom.		dBA	89.0						
Sound pressure level	Cooling	Nom.		dBA	79.0						
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-10~15						
	Condenser	Cooling	Min.~Max.	°CDB	25~60						
Refrigerant	Type / GWP				R-134a / 1,430						
	Circuits	Quantity			1						
Piping connections	Evaporator water inlet/outlet (OD)				76.2 mm						
Unit	Maximum starting current			A	153		197		197	290	290
	Nominal running current (RLA)	Cooling		A	52	62	72	81	91	107	120
	Maximum running current			A	85	103	114	130	154	168	201
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400						

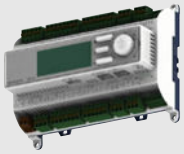
performances according to CSS software 10.34

Condenserless screw chiller, standard efficiency, standard sound

- HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Daikin semi-hermetic single screw compressor
- Direct expansion plate to plate evaporator
- Shell and tube condenser
- Silver efficiency and standard sound
- Upgrade to new MicroTech 4 controller



EWLH-J_EWLS-J



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More details and final information can be found by scanning or clicking the QR codes.

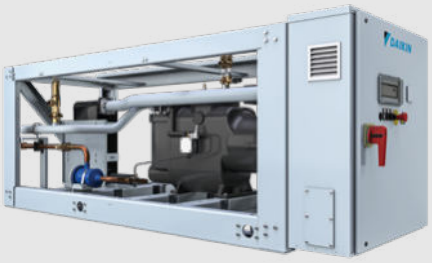
EWLH-J-SS

					EWLH-J-SS	080	100	110	130	140	170	190
Cooling capacity	Nom.			kW		84	102	109	127	143	174	193
Power input	Cooling	Nom.		kW		23.3	28.1	31.8	37	41.5	49.6	56.3
Capacity control	Method								Stepless			
	Minimum capacity			%					25			
EER						3.62		3.43	3.42	3.43	3.51	3.43
Dimensions	Unit	Height		mm					1,020			
		Width		mm					913			
		Length		mm					2,684			
Weight	Unit			kg		1,124	1,141	1,237	1,263	1,305	1,489	
	Operation weight			kg		1,138	1,159	1,253	1,281	1,327	1,518	
Water heat exchanger - evaporator	Type								Plate heat exchanger			
	Water volume			l		14	18	14	17	20	26	
	Water flow rate	Cooling	Nom.	l/s		4	4.9	5.2	6	6.8	8.3	9.2
	Water pressure drop	Cooling	Nom.	kPa		9.7	9.9	17.5	17.6	16.2	15.5	18.7
Compressor	Type								Single screw compressor			
	Quantity								1			
Sound power level	Cooling	Nom.		dBA					88.9			
Sound pressure level	Cooling	Nom.		dBA					79			
Refrigerant	Type								R-1234(ze)			
	Circuits	Quantity							1			
Piping connections				mm					76.2			
Unit	Starting current	Max		A		153			197		290	
	Running current	Cooling	Nom.	A		42	48	59	65	72	84	92
		Max		A		75	90	100	114	143	158	178
Power supply	Phase/Frequency/Voltage			Hz/V					3~/50 /400			

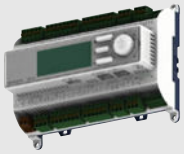
performances according to CSS software 10.34

Condenserless screw chiller, standard efficiency, standard sound

- Refrigerant R-513A
- Daikin semi-hermetic single screw compressor
- Direct expansion plate to plate evaporator
- Shell and tube condenser
- Silver efficiency and standard sound
- Upgrade to new MicroTech 4 controller



EWLH-J_EWLS-J



Microtech 4

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EWLS-J-SS

					EWLS-J-SS	110	130	150	170	200	240	270
Cooling capacity	Nom.			kW		111	132	150	175	200	236	268
Power input	Cooling	Nom.		kW		32.2	38.7	44.8	51.2	58.2	69.4	78.8
Capacity control	Method					Stepless						
	Minimum capacity			%		25						
EER						3.44	3.4	3.35	3.41	3.44	3.41	3.4
Dimensions	Unit	Height		mm		1,020						
		Width		mm		913						
		Length		mm		2,684						
Weight	Unit			kg		1,124	1,141	1,237	1,263	1,305	1,489	
	Operation weight			kg		1,138	1,159	1,253	1,281	1,327	1,518	
Water heat exchanger - evaporator	Type					Plate heat exchanger						
	Water volume			l		14	18	14	17	20	26	
	Water flow rate	Cooling	Nom.	l/s		5.3	6.3	7.2	8.4	9.6	11.3	12.8
	Water pressure drop	Cooling	Nom.	kPa		16	15.8	31.1	31.5	30	27	33.8
Compressor	Type					Single screw compressor						
	Quantity					1						
Sound power level	Cooling	Nom.		dBA		88.9						
Sound pressure level	Cooling	Nom.		dBA		79						
Refrigerant	Type					R-513A						
	Circuits	Quantity				1						
Piping connections				mm		76.2						
Unit	Starting current	Max		A		154		198			291	
	Running current	Cooling	Nom.	A		54	65	75	84	94	111	125
		Max		A		81	96	108	122	141	164	185
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400						

performances according to CSS software 10.34

Condenserless screw chiller, standard efficiency, standard sound

- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- Stepless single-screw compressor
- Standard electronic expansion valve
- Optimised for use with R-134a

EWLD-I-SS

Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWLD-I-SS

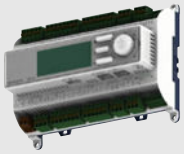
Cooling only				EWLD-I-SS	320	400	420	500	600	650	750	800	850	900	950	C10	C11	C12	C13	C14	C15	C16	C17
Cooling capacity	Nom.			kW	315	374	437	509	607	670	740	802	865	935	975	1,029	1,097	1,144	1,210	1,278	1,330	1,381	1,433
Power input	Cooling	Nom.		kW	80.3	96.0	113	134	160	175	192	208	224	246	264	283	286	302	318	336	356	375	395
Capacity control	Method				Stepless																		
	Minimum capacity			%	25.0				12.5							8.3							
EER					3.93	3.89	3.88	3.79	3.80	3.82	3.86			3.81	3.69	3.64	3.83	3.79	3.80		3.74	3.68	3.63
Dimensions	Unit	Height		mm	1,899				2,325							2,415							
		Width		mm	1,464											2,135							
		Length		mm	3,114				4,391							4,426							
Weight	Unit			kg	1,861		1,869	1,884	3,331	3,339	3,347	3,356	3,364	3,412		5,146	5,167		5,188	5,208			
	Operation weight			kg	2,054		2,052	2,056	3,602		3,603	3,604	3,605	3,645		5,667	5,671		5,677	5,680			
Water heat exchanger - evaporator	Type				Single pass shell and tube																		
	Water volume			l	193		183	172	271	263	256	248	241	233		504		489	472	504		489	472
	Water flow rate	Nom.		l/s	15.1	17.9	20.9	24.4	29.1	32.1	35.4	38.4	41.4	44.8	46.7	49.3	52.5	54.8	57.9	61.2	63.7	66.1	68.6
	Water pressure drop	Cooling	Total	kPa	34	46	49	56	50	40	52	49	40	49	36	54	47	51	43	53	57	61	65
Compressor	Type				Single screw compressor																		
	Quantity				1				2							3							
Sound power level	Cooling	Nom.		dBA	94.0		97.0				98.0	99.0		100.0				101.0		103.0			
Sound pressure level	Cooling	Nom.		dBA	75.0	76.0		78.0			79.0	80.0		81.0		80.0		81.0		83.0			
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-8~15																		
	Condenser	Cooling	Min.~Max.	°CDB	25~60																		
Refrigerant	Type / GWP				R-134a / 1,430																		
	Circuits	Quantity			1				2							3							
Piping connections	Evaporator water inlet/outlet (OD)				42mm																		
Unit	Maximum starting current			A	330		464		493	627	650	681		703		836		867	898		920	942	
	Nominal running current (RLA)	Cooling		A	131	157	181	214	260	287	313	338	361	391	420	448	470	493	517	542	571	601	631
	Maximum running current			A	204	233	271	299	407	436	465	504	542	570	597	670	698	737	775	814	841	868	896
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																		

INVERTER

Water cooled centrifugal chiller, high efficiency, standard sound

- No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
- Excellent part load efficiency
- Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- Compact footprint through stacked heat exchanger lay-out
- Increased installation flexibility thanks to limited dimensions
- Easy handling: thanks to its compact size, it can easily pass through the doorway
- MicroTech 4 controller with superior control logic and easy interface
- A wide portfolio of options is available to meet different requirements.
- The compressor vibration levels are extremely low as a result of the high-speed design
- Optimized for highly efficient R134a refrigerant and compatible with next generation refrigerants

EWWD-DZ



Microtech 4

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More details and final information can be found by scanning or clicking the QR codes.

EWWD-DZXS

Cooling Only					EWWD-DZXS	320	440	530	610	640	700	880	C10	C13	C14	C15	C21
Space cooling	A Condition (35°C - 27/19)	Pdc		kW		320.01	443.01	528	610.02	638.01	699.97	883.01	1,056	1,325.26	1,402	1,564.57	2,070.42
		ηs,c		%		334	314	324	344	349	342	350	363	349.8	362	360.6	365.4
SEER						8.72	8.65	9.08	8.91	8.95	8.79	8.99	9.31	8.86	9.32	9.13	9.28
Cooling capacity	Nom.			kW		320	443	528	610	638	700	883	1,056	1,325	1,402	1,565	2,070
Power input	Cooling	Nom.		kW		66.5	88.5	102	124.7	131	126	176	205	272	256	310	391
Capacity control	Method					Variable											
	Minimum capacity			%		30	21		16	15	18	11		7	9	8	6
EER						4.81	5	5.14	4.89	4.85	5.53	5.01	5.15	4.88	5.46	5.04	5.3
ESEER						7.94	7.92	8.2	7.78	8.16	8.08	8.09	8.39	-	8.29	-	
IPLV						9.38	9.33	9.7	9.41	9.5	9.86	9.52	9.91	9.18	10.1	9.5	9.42
Dimensions	Unit	Height		mm		1,865			1,985				2,200	2,083	2,200	2,225	2,290
		Width		mm		1,055			1,160				1,270	1,510	1,270	1,510	
		Length		mm		3,625				3,585			3,580	4,793	3,580	4,768	4,812
Weight	Unit			kg		1,700	1,900	2,000	2,850		2,600	2,900	3,600	4,350	3,800	4,750	5,500
	Operation weight			kg		1,973	2,216	2,347	3,197	3,344	3,102	3,458	4,292	5,020	4,579	5,540	6,570
Water heat exchanger - evaporator	Type					Flooded shell and tube											
	Water volume			l		70	96	107		134		156	199	271.8	229	317.4	444.3
	Water flow rate	Nom.		l/s		15.3	21.2	25.3	29.1	30.5	33.5	42.3	50.6	-	67.2	-	
		Cooling	Nom.	l/s		-								63.4	-	74.9	99.1
	Water pressure drop	Cooling	Nom.	kPa		47.4	40.6	45	59.1	51	61.3	64	60.4	60.1	74	61.1	71.9
Water heat exchanger - condenser	Type					Shell and tube								Flooded Shell & Tube	Shell and tube	Flooded Shell & Tube	
	Water volume			l		83	100	120		170	188	211	263	359.9	320	442.6	603.6
	Water flow rate	Nom.		l/s		18.3	25.3	30.1	35.1	36.7	39.4	50.5	60.1	-	79.1	-	
		Cooling	Nom.	l/s		-								76.1	-	89.5	117
	Water pressure drop	Cooling	Nom.	kPa		49.2	59.5	54.5	74	46.2	41.6	50.9	50.3	56	52.9	43	57
Compressor	Type					Driven vapour compressor											
	Quantity						1		2		1	2		3	2	3	
Sound power level	Cooling	Nom.		dBA		87.9	88.9	89.9	91.1	91	91.1	92	93.3	99	94.3	100	101
Sound pressure level	Cooling	Nom.		dBA		69.6	70.6	71.6	72.6			73.6	74.6	80	75.6	81	82
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		4~20											
	Condenser	Cooling	Min.~Max.	°CDB		20~55		20~42	20~55		20~42	20~55	20~42	20~55	20~42		
Refrigerant	Type/GWP					R-134a/1,430											
	Charge			kg		120			180				230	320	230	340	390
	Circuits	Quantity				1											
Refrigerant charge				TCO2Eq		172			257				329	-	329	-	
Piping connections				mm		139.7			168.3						219.1		
Piping connections				mm		139.7				168.3					219.1		
Unit	Running current	Cooling	Nom.	A		100.55	138.22	155.23	203.41	200.56	190.23	274.86	309.17	445	383.87	471.7	588
		Max		A		134	208	166	267		196	417	331	631	392	511	589
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400											

performances according to CSS software 10.27

INVERTER

Water cooled centrifugal chiller, high efficiency, standard sound

- No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
- Excellent part load efficiency
- Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- Compact footprint through stacked heat exchanger lay-out
- Increased installation flexibility thanks to limited dimensions
- Easy handling: thanks to its compact size, it can easily pass through the doorway
- MicroTech 4 controller with superior control logic and easy interface
- A wide portfolio of options is available to meet different requirements.
- The compressor vibration levels are extremely low as a result of the high-speed design
- Optimized for highly efficient R134a refrigerant and compatible with next generation refrigerants

EWWD-DZ

Microtech 4

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EWWD-DZXE

Cooling Only				EWWD-DZXE	340	470	570	670	680	740	950	C10	C11	C14	C15	C17	C22
Space cooling	A Condition (35°C - 27/19) Pdc			kW	341.01	474.02	566	670	682	741.96	946	1,038.18	1,130	1,436.52	1,477.93	1,684.76	2,172.91
	ηs,c			%	335	316	326	345	349	346	352	339.8	365	350.6	366	359	370.2
SEER					8.67	8.7	9.14	8.89	8.99	8.9	9.06	8.83	9.39	8.91	9.43	9.14	9.41
Cooling capacity	Nom.			kW	341	474	566	670	682	742	946	1,038	1,130	1,437	1,478	1,685	2,173
Power input	Cooling	Nom.		kW	69.9	93.5	108	138.4	138	131	186	210	216	288	263	329	393
Capacity control	Method				Variable												
	Minimum capacity			%	29	20		15		17	10			7	9	7	6
EER					4.88	5.07	5.22	4.84	4.91	5.65	5.08	4.94	5.23	4.98	5.6	5.12	5.53
ESEER					7.81	7.83	8.11	7.52	8	8.09	7.96	-	8.26	-	8.22	-	
IPLV					9.29	9.3	9.71	9.22	9.37	9.9	9.46	9.33	9.86	9.2	10.1	9.49	9.52
Dimensions	Unit	Height		mm	1,865			1,985				2,082	2,200	2,083	2,200	2,225	2,290
		Width		mm	1,055			1,160				1,510	1,270	1,510	1,270	1,510	
		Length		mm	3,625				3,585			4,688	3,580	4,793	3,580	4,768	4,812
Weight	Unit			kg	1,750	1,950	2,050	2,850		2,650	3,000	4,400	3,700	4,700	3,900	5,100	5,900
	Operation weight			kg	2,033	2,276	2,407	3,197	3,354	3,162	3,568	4,970	4,412	5,370	4,699	5,890	6,920
Water heat exchanger - evaporator	Type				Flooded shell and tube												
	Water volume			l	70	96	107		134		156	207.3	199	317.4	229	317.4	444.3
	Water flow rate	Nom.		l/s	16.4	22.7	27.1	32	32.7	35.6	45.3	-	54.1	-	70.9	-	
		Cooling	Nom.	l/s	-							49.1	-	68	-	80.4	103
	Water pressure drop	Cooling	Nom.	kPa	54.2	46.5	51.5	71.4	58.3	68.7	73.2	61.4	68.9	70.7	82	70.7	78.9
Water heat exchanger - condenser	Type				Shell and tube							Flooded Shell & Tube	Shell and tube	Flooded Shell & Tube	Shell and tube	Flooded Shell & Tube	
	Water volume			l	83	100	120		170	188	211	326.4	263	359.9	320	442.6	603.6
	Water flow rate	Nom.		l/s	19.6	27	32.1	38.6	39.1	41.6	53.9	-	64.1	-	83	-	
		Cooling	Nom.	l/s	-							58.9	-	81.4	-	95.8	121
	Water pressure drop	Cooling	Nom.	kPa	56.4	68.4	62.4	90	52.9	46.7	58.3	44	57.6	66	58.5	50	62
Compressor	Type				Driven vapour compressor												
	Quantity				1			2		1	2	3	2	3	2	3	
Sound power level	Cooling	Nom.		dBA	87.9	88.9	89.9	91.1	91	91.1	92	98	93.3	99	94.3	100	101
Sound pressure level	Cooling	Nom.		dBA	69.6	70.6	71.6	72.6			73.6	79	74.6	80	75.6	81	82
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	4~20												
	Condenser	Cooling	Min.~Max.	°CDB	20~55		20~42	20~55		20~42	20~55		20~42	20~55	20~42		
Refrigerant	Type/GWP				R-134a/1,430												
	Charge			kg	130			120	200	190	200	350	250	400	250	420	470
	Circuits	Quantity			1												
Refrigerant charge				TCO2Eq	186			172	286	272	286	-	358	-	358	-	
Piping connections				mm	139.7				168.3						219.1		
Piping connections				mm	139.7				168.3						219.1		
Unit	Running current	Cooling	Nom.	A	105.42	144.7	162.48	212.9	210.15	196	287.44	318.3	323.53	425.9	392	496	588
		Max		A	134	208	166	267		196	417	406	331	631	392	511	589
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400												

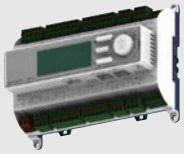
performances according to CSS software 10.27

INVERTER

Water cooled centrifugal chiller, high efficiency, standard sound

- No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
- Excellent part load efficiency
- Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- Compact footprint through stacked heat exchanger lay-out
- HFO R1234zeE Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Increased installation flexibility thanks to limited dimensions
- Easy handling: thanks to its compact size, it can easily pass through the doorway
- MicroTech 4 controller with superior control logic and easy interface
- A wide portfolio of options is available to meet different requirements.
- The compressor vibration levels are extremely low as a result of the high-speed design

EWWH-DZ



Microtech 4

DAIKIN mAP

More details and final information can be found by scanning or clicking the QR codes.

EWWH-DZXS

Cooling Only				EWWH-DZXS	230	320	380	430	455	460	640	755	920	945	C11	C13
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		227.08	318.33	376.33	455.13	454.66	474.48	637.15	752.27	917.79	945.8	1,126	1,352
	ηs,c		%		330	346		342		339	352	354	353	360.2	359.4	364.2
SEER					8.78	8.66	8.67	8.8	8.78	8.32	9.04	9.07	9.06	9.02	9.04	9.13
Cooling capacity	Nom.			kW	227	318	376	455		461	637	752	918	945.8	1,126	1,352
Power input	Cooling	Nom.		kW	45.6	60.5	71.4	93.3	90.6	79.3	120.5	142.1	158.8	181	216.5	237.7
Capacity control	Method				Variable									Stepless		
	Minimum capacity			%	24	21	20	13	12	20	11	10		11		16
EER					4.98	5.27		4.88	5.02	5.81	5.29		5.78	5.22	5.2	5.69
ESEER					7.78	7.97	7.98	7.89	8.06	7.76	8.26	8.3	8.16	-		
IPLV					9.37	9.52	9.56	9.44	9.5		9.74	9.78	9.74	9.54	9.57	9.71
Dimensions	Unit	Height		mm	1,865			1,985				2,200		2,083	2,225	2,290
		Width		mm	1,055			1,160				1,270		1,510		
		Length		mm	3,625			3,585				3,580		4,793	4,768	4,812
Weight	Unit			kg	1,700	1,900	2,000	2,850		2,600	2,900	3,600	3,800	4,350	4,750	5,500
	Operation weight			kg	1,973	2,216	2,347	3,197	3,344	3,102	3,458	4,292	4,579	5,020	5,540	6,570
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume			l	70	96	107		134		156	199	229	271.8	317.4	444.3
	Water flow rate	Cooling	Nom.	l/s	10.8	15.2	18	20.5	21.7	22	30.4	35.9	43.9	45.2	53.8	64.6
	Water pressure drop	Cooling	Nom.	kPa	28.2	24.6	26.8	31.7	27.8	28.6	35.9	33	34.3	30	31	
Water heat exchanger - condenser	Type				Shell and tube									Flooded Shell & Tube		
	Water volume			l	83	100	120		170	188	211	263	320	359.9	442.6	603.6
	Water flow rate	Cooling	Nom.	l/s	13	18.1	21.4	24.5	26.1	25.8	36.2	42.7	51.4	53.8	64.2	76
	Water pressure drop	Cooling	Nom.	kPa	24	30	27	35	23	17	25		22	27	26	24
Compressor	Type				Driven vapour compressor											
	Quantity				1			2		1	2			3		
Sound power level	Cooling	Nom.		dBA	87.9	88.9	89.9	91.1	91	91.1	92	93.3	94.3	99	100	101
Sound pressure level	Cooling	Nom.		dBA	69.6	70.6	71.6	72.6			73.6	74.6	75.6	80	81	82
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	4~20											
	Condenser	Cooling	Min.~Max.	°CDB	20~55		20~42	20~55		20~42	20~55	20~42		20~55	20~42	
Refrigerant	Type/GWP				R-1234(ze)/7											
	Charge			kg	120			180				230		320	340	390
	Circuits	Quantity			1											
Refrigerant charge				TCO2Eq	1							2		-		
Piping connections				mm	139.7				168.3				219.1			
				mm	139.7				168.3				219.1	168.3	219.1	
Unit	Running current	Cooling	Nom.	A	72	99	112	133	144	125	198	222	249	297.8	339.2	374.1
Unit	Running current	Max		A	95	150	123	190		142	300	246	284	451	370	448
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400											

performances according to CSS software 10.27

INVERTER

Water cooled centrifugal chiller, high efficiency, standard sound

- No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
- Excellent part load efficiency
- Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- Compact footprint through stacked heat exchanger lay-out
- HFO R1234zeE Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- Increased installation flexibility thanks to limited dimensions
- Easy handling: thanks to its compact size, it can easily pass through the doorway
- MicroTech 4 controller with superior control logic and easy interface
- A wide portfolio of options is available to meet different requirements.
- The compressor vibration levels are extremely low as a result of the high-speed design

EWWH-DZ

Microtech 4

DAIKIN mAP

More details and final information can be found by scanning or clicking the QR codes.

EWWH-DZXE

Cooling Only					EWWH-DZXE	245	345	405	470	480	490	685	740	810	955	C10	C12	C14
Space cooling	A Condition (35°C - 27/19)	Pdc		kW		241.98	339.33	401.93	460.88	483.83	486.57	678.69	741	802.77	944.73	1,033	1,226	1,417
	ηs,c			%		331	350		335	345	344	356	344.6	358	356	364.2		371.8
SEER						8.85	8.75	8.79	8.94	8.4	8.9	9.18	8.8	9.22	9.15	9.17		9.35
Cooling capacity	Nom.			kW		242	339	402	487	474	484	679	741	803	945	1,033	1,226	1,417
Power input	Cooling	Nom.		kW		47.9	63.4	75.1	98.7	79.5	95.1	126.3	144.6	149.4	159.2	192.9	229.5	238.3
Capacity control	Method					Variable							Stepless	Variable		Stepless		
	Minimum capacity			%		24	20	19	12	20	12	10	12	9	10	11		17
EER						5.05	5.35		4.93	5.97	5.09	5.37	5.13	5.37	5.93	5.35	5.34	5.94
ESEER						7.78	8.02	8	7.75	7.83	8.04	8.22	-	8.27	8.23	-		
IPLV						9.33	9.54	9.58	9.36	9.56	9.43	9.74	9.44	9.79	9.8	9.62	9.65	9.72
Dimensions	Unit	Height		mm		1,865			1,985				2,082	2,200		2,083	2,225	2,290
		Width		mm		1,055			1,160				1,510	1,270		1,510		
		Length		mm		3,625				3,585			4,688	3,580		4,793	4,768	4,812
Weight	Unit			kg		1,750	1,950	2,050	2,850	2,650	2,850	3,000	4,400	3,700	3,900	4,700	5,100	5,900
	Operation weight			kg		2,033	2,276	2,407	3,197	3,162	3,354	3,568	4,970	4,412	4,699	5,370	5,890	6,920
Water heat exchanger - evaporator	Type					Flooded shell and tube												
	Water volume			l		70	96	107		134		156	207.3	199	229	317.4		444.3
	Water flow rate	Cooling	Nom.	l/s		11.6	16.2	19.2	22.4	22.6	23.1	32.4	34.9	38.4	45.2	48.7	57.9	67
	Water pressure drop	Cooling	Nom.	kPa		29.7	28.4		37.8	30.8	32	41.3	31	38.1	36.9	37	38	33
Water heat exchanger - condenser	Type					Shell and tube							Flooded Shell & Tube	Shell and tube		Flooded Shell & Tube		
	Water volume			l		83	100	120		188	170	211	326.4	263	320	359.9	442.6	603.6
	Water flow rate	Cooling	Nom.	l/s		13.9	19.2	22.8	26.7	26.4	27.7	38.5	41.8	45.5	52.8	57.8	68.8	78.4
	Water pressure drop	Cooling	Nom.	kPa		28	34	31	42	18	26	29	21	28	23	33	30	26
Compressor	Type					Driven vapour compressor												
	Quantity					1			2	1	2		3	2		3		
Sound power level	Cooling	Nom.		dBA		87.9	88.9	89.9	91.1		91	92	98	93.3	94.3	99	100	101
Sound pressure level	Cooling	Nom.		dBA		69.6	70.6	71.6	72.6			73.6	79	74.6	75.6	80	81	82
Operation range	Evaporator	Cooling	Min.~Max.	°CDB		4~20												
	Condenser	Cooling	Min.~Max.	°CDB		20~55		20~42	20~55	20~42	20~55			20~42		20~55	20~42	
Refrigerant	Type/GWP					R-1234(ze)/7												
	Charge			kg		130			120	190	200		350	250		400	420	470
	Circuits	Quantity				1												
Refrigerant charge				TCO2Eq		1							-	2		-		
Piping connections				mm		139.7				168.3				219.1				
				mm		139.7				168.3				219.1		168.3	219.1	
Unit	Running current	Cooling	Nom.	A		75	103	117	142	125	150	205	277	232	249	311	249	
Unit	Running current	Max		A		95	150	123	190	142	190	300	286	246	284	451	370	448
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400												

performances according to CSS software 10.27

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- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
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- The compressor vibration levels are extremely low as a result of the high-speed design
- Optimized for highly efficient R-513A refrigerant and compatible with next generation refrigerants

EWWS-DZ Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

EWWS-DZXS

Cooling Only				EWWS-DZXS	320	440	530	610	640	700	880	C10	C13	C14	C15	C21
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		315.85	438.98	520.21	629.71	630.64	694.46	875.77	1,043.15	1,304.67	1,390.46	1,549.85	2,027.16
	ηs,c		%		3.416	3.376	3.54	3.448	3.508	3.428	3.508	3.636	3.448	3.624	3.552	3.608
SEER					8.74	8.64	9.05	8.82	8.97	8.77	8.97	9.29	8.82	9.26	9.08	9.22
Cooling capacity	Nom.		kW		316	439	520	609	631	694	876	1,043	1,305	1,390	1,550	2,027
Power input	Cooling	Nom.	kW		67.1	90	103	126	132	127	177	205	270	257	312	384
Capacity control	Method				Variable											
	Minimum capacity		%		30	21		16	15	18	11		7	9	8	6
EER					4.71	4.88	5.05	4.82	4.77	5.44	4.92	5.08	4.82	5.4	4.96	5.27
IPLV					9.31	9.25	9.61	9.29	9.44	9.77	9.45	9.83	9.1	9.96	9.38	9.34
Dimensions	Unit	Height	mm		1,865			1,985				2,200	2,083	2,200	2,225	2,290
		Width	mm		1,055			1,160				1,270	1,510	1,270	1,510	
		Depth	mm		3,625				3,585			3,580	4,793	3,580	4,768	4,812
Weight	Unit		kg		1,700	1,900	2,000	2,850		2,600	2,900	3,600	4,350	3,800	4,750	5,500
	Operation weight		kg		1,973	2,216	2,347	3,197	3,344	3,102	3,458	4,292	5,020	4,579	5,540	6,570
Water heat exchanger - evaporator	Type				Flooded shell and tube											
	Water volume		l		70	96	107		134		156	199	272	229	317	444
	Water flow rate	Cooling Nom.	l/s		15.3	21.3	25.2	29.1	30.6	33.7	42.5	50.5	63.1	67.4	75	98.1
	Water pressure drop	Cooling Nom.	kPa		47.3	40.9	44.8	59.1	51.1	61.7	64.5	59.3	59.5	74.4	61.3	70.4
Water heat exchanger - condenser	Type				Flooded Shell & Tube											
	Water volume		l		83	100	120		170	188	211	263	360	320	443	604
	Water flow rate	Cooling Nom.	l/s		18.4	25.4	30.1	34.9	36.8	39.6	50.8	60.2	75.9	79.5	89.9	116
	Water pressure drop	Cooling Nom.	kPa		49.4	60.4	54.5	74.2	46.5	42.1	51.5	50.4	56.1	53.4	43.7	55.7
Compressor	Type				Driven vapour compressor											
	Quantity				1			2		1	2		3	2	3	
Sound power level	Cooling	Nom.	dBA		87.9	88.9	89.9	91.1	91.0	91.1	92.0	93.3	93.5	94.3	94.8	95.8
Sound pressure level	Cooling	Nom.	dBA		69.6	70.6	71.6		72.6		73.6	74.6	73.9	75.6	75.2	76.2
Refrigerant	Type/GWP				R-513A/631											
	Charge		kg		120	150	120	140	190	180	200	230	240	230	270	
	Circuits	Quantity			1											
Piping connections			mm		139.7				168.3			219.1				
			mm		139.7				168.3					219.1		

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EWWS-DZ Microtech 4

More details and final information can be found by scanning or clicking the QR codes.

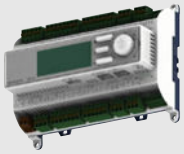
EWWS-DZXE

Cooling Only				EWWS-DZXE	340	470	570	670	680	740	950	C10	C11	C14	C15	C17	C22
Space cooling	A Condition (35°C - 27/19)	Pdc	kW		336.72	471.24	558.03	676.76	674.49	728.69	941.72	1,024.55	1,117.07	1,419.67	1,450.66	1,652.82	2,128.56
	ηs,c		%		3.428	3.396	3.568	3.452	3.52	3.464	3.532	3.444	3.664	3.464	3.668	3.556	3.656
SEER					8.77	8.69	9.12	8.83	9	8.86	9.03	8.81	9.36	8.86	9.37	9.09	9.34
Cooling capacity	Nom.		kW		337	471	558	671	674	729	942	1,025	1,117	1,420	1,451	1,653	2,129
Power input	Cooling	Nom.	kW		70.2	95.1	108	139		129	188	209	215	287	259	324	385
Capacity control	Method				Variable												
	Minimum capacity		%		29	20		15		17	10			7	9	7	6
EER					4.8	4.96	5.15	4.8	4.85	5.61	5.01	4.89	5.18	4.94	5.6	5.1	5.52
IPLV					9.22	9.2	9.59	9.11	9.31	9.78	9.38	9.25	9.81	9.12	9.98	9.4	9.41
Dimensions	Unit	Height	mm		1,865			1,985				2,082	2,200	2,083	2,200	2,225	2,290
		Width	mm		1,055			1,160				1,510	1,270	1,510	1,270	1,510	
		Depth	mm		3,625				3,585			4,688	3,580	4,793	3,580	4,768	4,812
Weight	Unit		kg		1,750	1,950	2,050	2,850		2,650	3,000	4,400	3,700	4,700	3,900	5,100	5,900
	Operation weight		kg		2,033	2,276	2,407	3,197	3,354	3,162	3,568	4,970	4,412	5,370	4,699	5,890	6,920
Water heat exchanger - evaporator	Type				Flooded shell and tube												
	Water volume		l		70	96	107		134		156	207	199	272	229	317	444
	Water flow rate	Cooling Nom.	l/s		16.3	22.9	27	32	32.7	35.3	45.6	49.6	54.1	68.8	70.3	80.1	102
	Water pressure drop	Cooling Nom.	kPa		54.1	47.2	51.3	71.4	58.3	67.8	74.1	61.2	67.7	70.6	80.8	69.7	77.4
Water heat exchanger - condenser	Type				Flooded Shell & Tube												
	Water volume		l		83	100	120		170	188	211	326	263	360	320	443	604
	Water flow rate	Cooling Nom.	l/s		19.6	27.3	32.1	38.4	39.2	41.4	54.4	59.5	64.2	82.3	82.5	95.5	121
	Water pressure drop	Cooling Nom.	kPa		56.5	69.8	62.4	90.8	53.2	46.1	59.4	43.6	57.7	66.4	57.7	49.5	60.7
Compressor	Type				Driven vapour compressor												
	Quantity				1			2		1	2	3	2	3	2	3	
Sound power level	Cooling	Nom.	dBA		87.9	88.9	89.9	91.1	91.0	91.1	92.0	92.6	93.3	93.5	94.3	94.8	95.8
Sound pressure level	Cooling	Nom.	dBA		69.6	70.6	71.6	72.6			73.6	73	74.6	73.9	75.6	75.2	76.2
Refrigerant	Type/GWP				R-513A/631												
	Charge		kg		160	130		200		190	200	270	250	270	250	300	355
	Circuits	Quantity			1												
Piping connections			mm		139.7				168.3				219.1				
			mm		139.7				168.3						219.1		

Water cooled centrifugal chiller, high efficiency, standard sound

› Single Compressor chiller
› High part load efficiency with Daikin VFD Unit Mounted - Refrigerant Cooled
› Low Harmonics VFD option
› Excellent Full Load performance
› Unloading down to 10% without Hot Gas By Pass
› Refrigerant flexibility with R-134a, R-1234ze and R-513A
› Reduced refrigerant quantity
› Touch screen operator panel
› Unit mounted control panel
› Rapid restart for fast start-up after power loss
› Heat pump mode

DWSC C



Microtech 4

Daikin Centrifugal Compressor

› No compromises in application flexibility
› Proven compressor technology (Daikin centrifugal compressor design)

Rapid restart for fast start-up after power loss

The UPS keeps the controller switched on enabling the unit to quickly reach the full load. Focused on data center and all applications where the cooling capacity supply is crucial.

Reduced refrigerant quantity

Thanks to the new high efficiency tubes and more compact heat exchanger design.

Heat pump mode

With reversibility on water side whenever a heating load is demanded thus improving suitability for applications with changing load during the year.

More details and final information can be found by scanning or clicking the QR codes.

DWSC-C

Cooling Only			DWSC C	DWSC C	DWSC C
Cooling capacity	Min./Max.	kW	1,050 (1)/4,500 (1)	700 (1)/3,300 (1)	
Compressor	Type		Single stage centrifugal compressor	Single stage centrifugal compressor	
Refrigerant	Type		R-134a / R-513A	R-1234(ze)	
Power supply	Frequency	Hz	50/60	50/60	

(1) AHRI conditions

Water cooled centrifugal chiller, high efficiency, standard sound

- Lower equipment, installation and annual operating costs than two single compressor chillers
- Main components can be removed or repaired without shutting down the unit as the chiller has two of everything (compressors, lubrication systems, control systems and starters)
- Compact design for small footprint and minimized installation space
- Unloading to 5% of full load provides improved stability of the chilled water temperature and less harmful cycling of compressors
- High efficiency flooded type shell and tube evaporator/ condensers

DWDC C

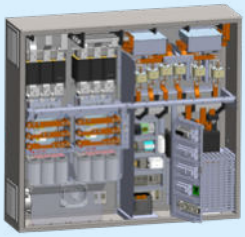
Free cooling operation

Allows to reduce the power consumption generated by traditional mechanical cooling.

Touch screen operator panel

Touch screen operator panel is graphically intuitive and easy to use for enhanced operator productivity. Important status and control information is available at a glance or a touch.

Unit mounted control panel



More details and final information can be found by scanning or clicking the QR codes.

DWDC-C

Cooling Only		DWDC C	DWDC C
Cooling capacity	Min./Max.	kW	2,100 (1)/9,000 (1)
Compressor	Type		Single stage centrifugal compressor
Refrigerant	Type		R-134a / R-513A / R-1234(ze)
Power supply	Frequency	Hz	50/60

(1)AHRI conditions

Accessories - Chillers

Panels			Air-cooled chillers							
			EWAA~BVP EWYA~BVP	EWAA~DA EWYA~DA	EWYD~BZ	EWYD~4Z	EWYT~B-	EWAH~TZB & C	EWAD~TZB & C	EWAD~T- C
EKDICMPAB	(a) (b) (c)	iCM Primary Basic								●
EKDICMPAL	(a) (b) (c)	iCM Primary for evaporator peripherals Light						●	●	●
EKDICMPAF	(a) (b) (c)	iCM Primary for evaporator peripherals Full						●	●	●
EKDICMPWL	(a) (b) (c)	iCM primary Evaporator/Condenser Light								
EKDICMPWF	(a) (b) (c)	iCM primary Evaporator/Condenser Full								
EKDICMCTL	(a) (b)	iCM Cooling towers Light								
EKDICMCTF	(a) (b)	iCM Cooling towers Full								
EKDICMPABIO	(a) (b)	iCM Primary Basic with IO third party chiller						●	●	●
EKDICMPALIO	(a) (b)	iCM Primary Evaporator Light with IO third party chiller						●	●	●
EKTSMS		Temperature sensor for master/slave configuration					●			
EKRUMCL1		User Interface	●							

Serial Cards & Communication Modules			Air-cooled chillers							
			EWAA~BVP EWYA~BVP	EWAA~DA EWYA~DA	EWYD~BZ	EWYD~4Z	EWYT~B-	EWAH~TZB & C	EWAD~TZB & C	EWAD~T- C
EKAC200J		Serial Card RS485/Modbus			●					
EKACBAC		Ethernet Card BACnet			●					
EKACLONP		Serial Card LON FTT 10			●					
EKACRS232		Serial Card RS232 Modem Interface (single unit only)			●					
EKACWEB		Web Server Card			●					
EKACBACMSTP		Serial Card BACnet MSTP			●					
EKACBACCERT		Serial Card BACnet pre-loaded IP/Ethernet (centrifugal chillers)								
EKACMSTPCERT		Serial Card BACnet pre-loaded MSTP (centrifugal chillers)								
EKCM200J		ModBus RTU communication module				●				
EKCMLON		LON communication module				●	●	●	●	●
EKCMBACMSTP		BACnet/MSTP communication module				●				
EKCMBACIP		BACnet/IP communication module				●	●	●	●	●
EKDOSMWO		Daikin on Site Modem without M2M card			●	●	●	●	●	●

Other Systems & Accessories			Air-cooled chillers							
			EWAA~BVP EWYA~BVP	EWAA~DA EWYA~DA	EWYD~BZ	EWYD~4Z	EWYT~B-	EWAH~TZB & C	EWAD~TZB & C	EWAD~T- C
EKCON		Converter RS485 to RS232			●					
EKCONUSB		Converter RS485 to USB			●					
EKMODEM		Fixed modem			●					
EKGSMOD		GSM modem			●					
EKRUPCJ		Remote display kit			●					
EKRUPCS		Local/remote display HMI				●	●	●	●	●
EKPWPROEXT		PlantWatchPro I/O extension module for hardwiring and retrofit			●					
EKGWWEB		Gateway web (Ethernet LAN SNMP)			●					
EKGWMODEM		Gateway for modem			●					
EKAC10C		Address card for connection to BMS or Remote user interface								
EKRUMCA		Remote installed user interface								
EKLS2	(d)	Low noise kit 22/28/35/45/55/65 Hp-units								
ECB2MUCW	(e)	Controller kit								
ECB3MUCW	(e)	Controller kit								
EKRP1AHT	(g)	Digital input/output PCB								
EKRUAHTB	(g)	Remote user interface								
DTA104A62	(f)	External control adapter								
BHGP26A1	(f)	Digital pressure gauge kit								
EKQDP2M016	(g)	Differential Pressure Sensor 4-20 mA 0-160 kPa					●	●	●	●
EKQDP2M020	(g)	Differential Pressure Sensor 4-20 mA 0-250 kPa					●	●	●	●
EKQDP2M040	(g)	Differential Pressure Sensor 4-20 mA 0-400 kPa					●	●	●	●
EKQDP2M060	(g)	Differential Pressure Sensor 4-20 mA 0-600 kPa					●	●	●	●
EKDAPCONT		Containerization of one unit			●	●	●	●	●	●
EKDAPSTF		Containerization of additional units in the same container			●	●	●	●	●	●

Notes:
(a) Price **does not** include commissioning of panel; if commissioning is required please refer to RN17-041
(b) iCM panels work in **cooling mode only**; heat pump versions, total heat recovery and Free cooling options on A/C and W/C chillers **are not compatible**
(c) In case you are ordering iCM panels please add corresponding modbus RTU communication module (EKCM200J or EKAC200J) for each chiller unit controller
(d) For 45/55/65 Hp-units 2 pieces are needed
(e) Only available for modular units (EWWP~KAW1M)
(f) Price available in SAP system
(g) Differential pressure sensor are specific for iCM panels in variable primary flow management

			Water-cooled chillers							Centrifugals		
ERAD~E-	EWAT~B-	EWAD~CF	EWWQ~KC	EWLQ~KC	EW_Q-G EW_Q_-L	EWLD~I-	EWWS/H/D~J- EWLS/H/D~J-	EWWH~VZ	EWWD~VZ	EWWH~DZ	EWWD~DZ	DWSC & DWDC
	●				●	●	●	●	●	●	●	●
	●	●			●	●	●	●	●	●	●	●
	●	●			●	●	●	●	●	●	●	●
					●			●	●	●	●	●
					●			●	●	●	●	●
					●			●	●	●	●	●
					●			●	●	●	●	●
	●											
	●											
	●				●							

			Water-cooled chillers							Centrifugals		
ERAD~E-	EWAT_B- (single)	EWAD~CF	EWWQ~KC	EWLQ~KC	EW_Q-G EW_Q_-L	EWLD~I-	EWWD~J- EWLD~J-	EWWH~VZ A	EWWD~VZ A	EWWH~DZ	EWWD~DZ	DWSC & DWDC
												●
												●
												●
												●
												●
●	●	●			●	●	●	●	●	●	●	
●	●	●			●	●	●	●	●	●	●	
●	●	●			●	●	●	●	●	●	●	
●	●	●			●	●	●	●	●	●	●	
●	●	●			●	●	●	●	●	●	●	

			Water-cooled chillers							Centrifugals		
ERAD~E-	EWAT_B- (single)	EWAD~CF	EWWQ~KC	EWLQ~KC	EW_Q-G EW_Q_-L	EWLD~I-	EWWD~J- EWLD~J-	EWWH~VZ A	EWWD~VZ A	EWWH~DZ	EWWD~DZ	DWSC & DWDC
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	●	●			●	●	●	●	●	●	●	●
●	●	●			●	●	●	●	●	●	●	
●	●	●			●	●	●	●	●	●	●	