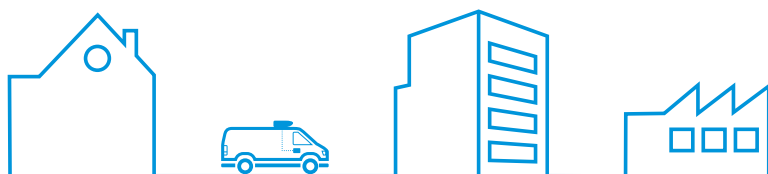


Chillers

The ultimate in
reliability and flexibility





Daikin chillers offer the ultimate in reliability and flexibility — a reflection of the advanced technology inherent within them. Daikin chillers represent the sure and safe route to a comfortable environment and a process cooling solution that is clean and consistent.

Chillers

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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

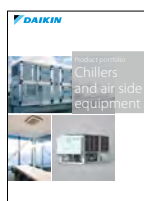
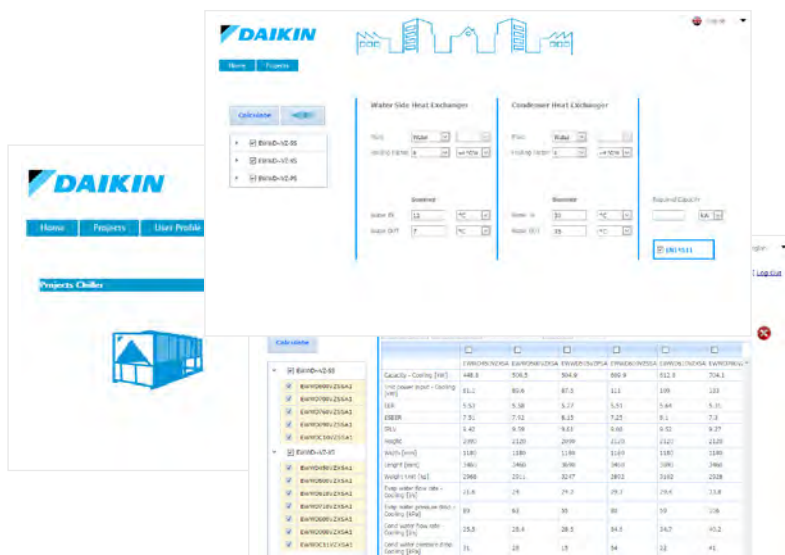
A user-friendly interface allows users to quickly create new projects, open and change existing projects or simply do a quick selection.

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/>



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



AIR COOLED CHILLER INSTALLATION



HOTEL
APPLICATION



DATA CENTER
APPLICATION



PROCESS COOLING
APPLICATION

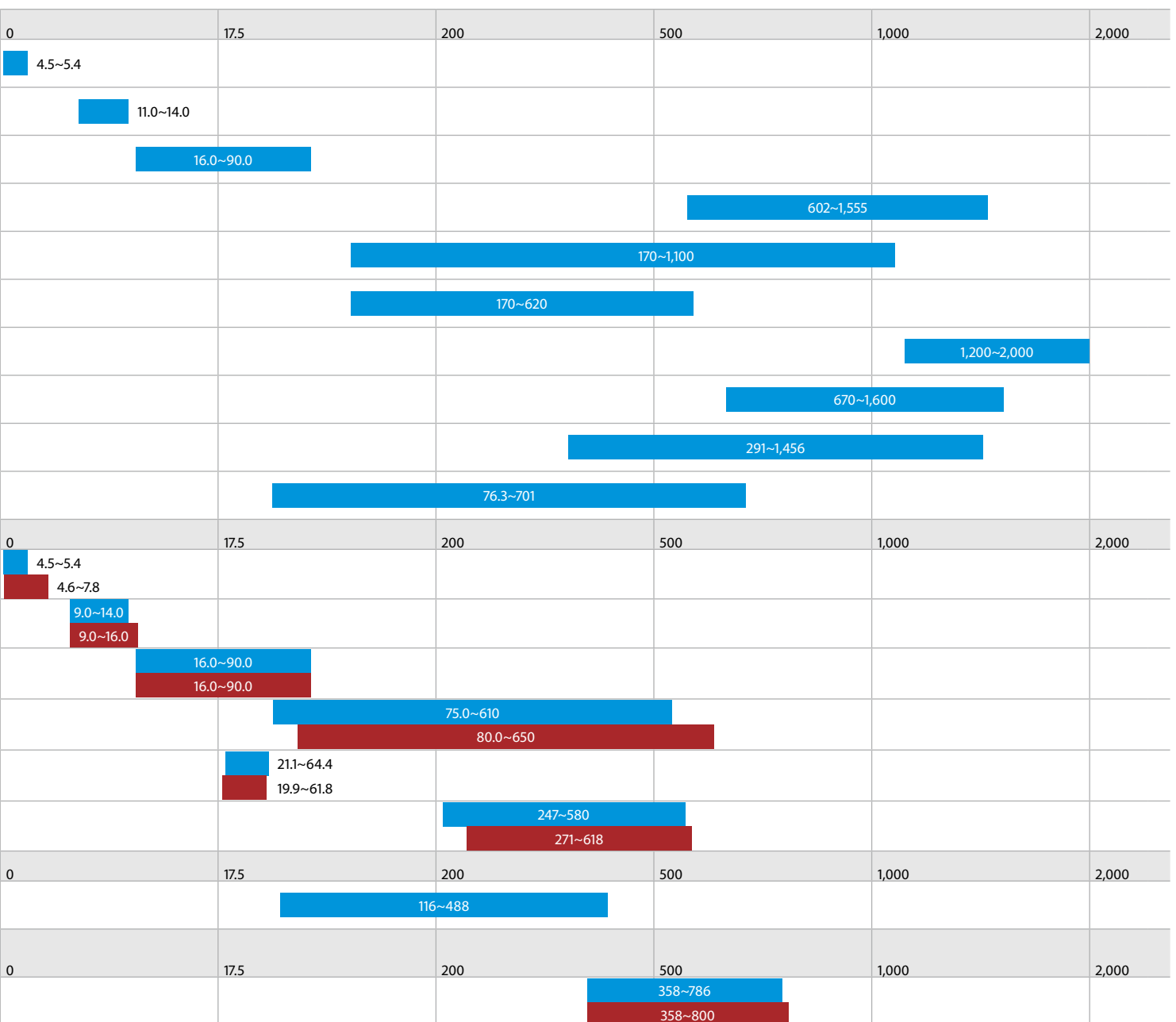


Products overview

		Refrigerant type *	Refrigerant circuits	Inverter 	Free cooling 	Compressor			Water heat exchanger		Efficiency version			Sound version		
						Swing 	Scroll 	Screw 	Plate** 	Single pass shell and tube 	Standard 	High 	Premium 	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							
EWAD~CF		R-134a	2													
EWAD-TZ B		R-134a	1-2													
EWAH-TZ B		R-1234ze(E)	1-2													
EWAD-TZ C		R-134a	1-2													
EWAH-TZ C		R-1234ze(E)	1-2													
EWAD-T-		R-134a	2													
EWAT-B		R-32	1-2													
Heat pump																
EWYA-DV3P		R-32	1						 BPHE							
EWYA-DV3P-H/ DW1P-H		R-32	1						 BPHE							
EWYT~CZN/P/H	 NEW	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: Brazen plate heat exchanger

Cooling capacity (kW)
Heating capacity (kW)

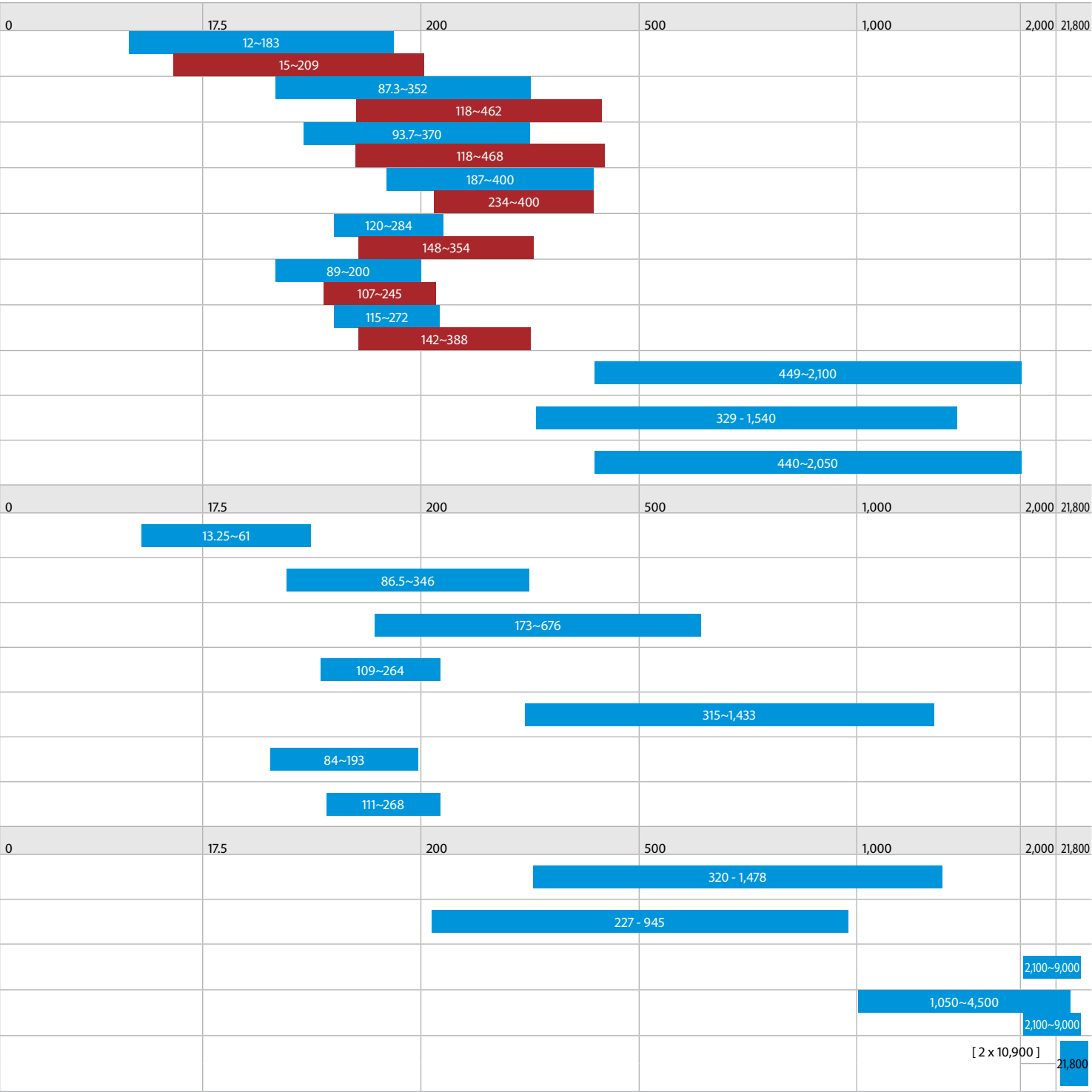


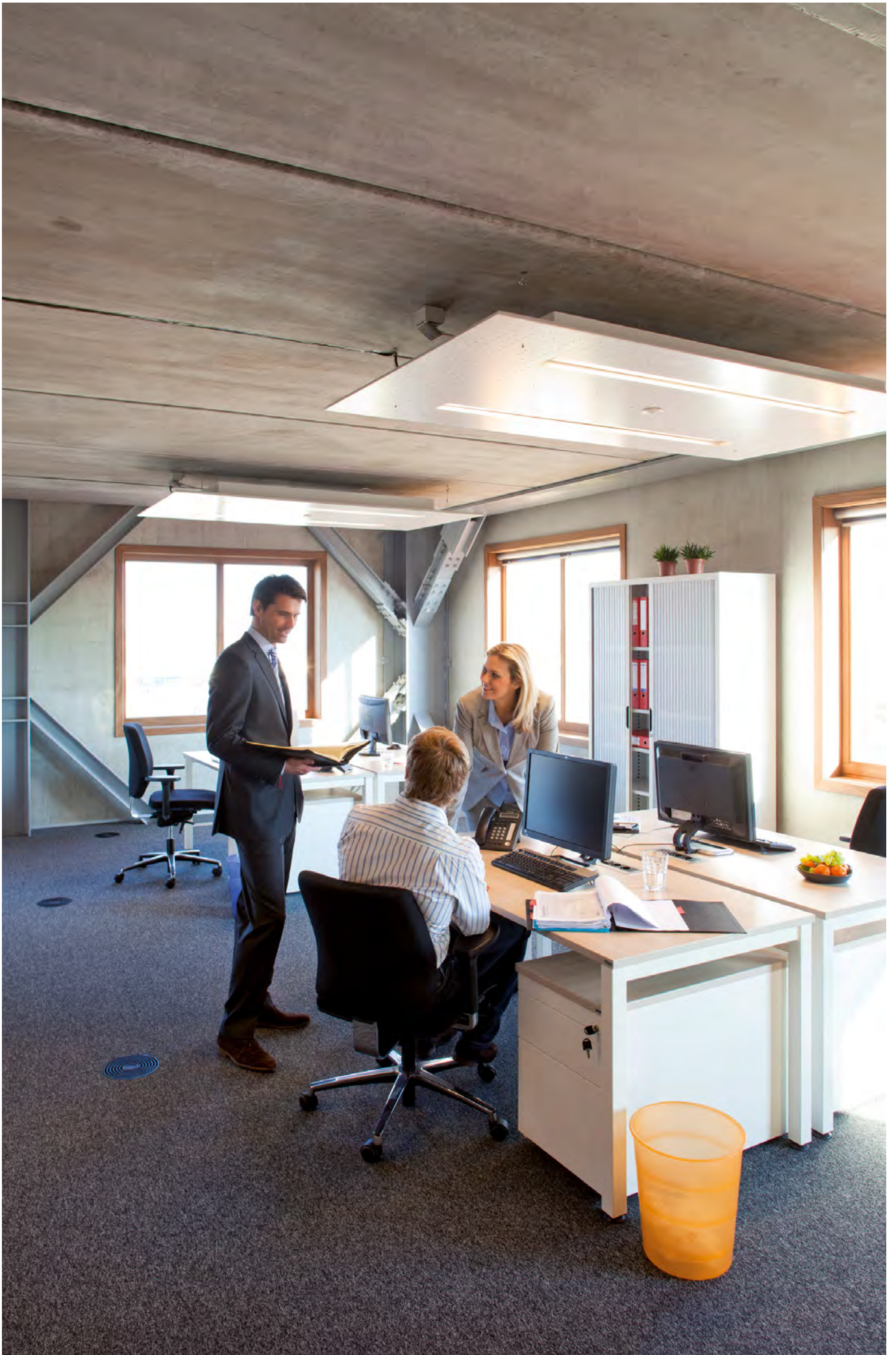
Products overview

		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: Brazen 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



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



EWAA-DV3P

Cooling Only				EWAA-DV3P	004	006	008
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)	5.83 (1) / 5.09 (2)	6.18 (1) / 5.44 (2)
Power input	Cooling	Nom.		kW	0.820 (1) / 1.36 (2)	1.08 (1) / 1.55 (2)	1.19 (1) / 1.73 (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)
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		
Compressor	Type				Hermetically sealed swing compressor		
	Quantity				1		
Fan	Type				Propeller fan		
	Quantity				1		
Sound power level	Cooling	Nom.		dBA	61.0 (1)	62.0 (1)	
Sound pressure level	Cooling	Nom.		dBA	48.0 (1)	49.0 (1)	50.0 (1)
Operation range	Air side	Cooling	Min.~Max.	°CDB	10 (3)~43		
	Water side	Cooling	Min.~Max.	°CDB	5 (3)~22		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg	1.35		
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

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
- › Daikin swing compressor
- › New casing for the outdoor units
- › Separate MMI-2 controller for indoor installation



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		5.71		5.59	
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	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			
Refrigerant	Water side	Cooling	Min.~Max.	°CDB		5~22			
	Type/GWP					R-32/675.0			
Control						Electronic expansion valve			
	Circuits	Quantity				1			
Refrigerant charge	Per circuit	kg				3.80			
	Per circuit	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

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
- › Daikin swing compressor
- › New casing for the outdoor units
- › Separate MMI-2 controller for indoor installation



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



EWAA-DV3P-H

Cooling Only		EWAA		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		5.71		5.59	
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	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			
Refrigerant	Water side	Cooling	Min.~Max.	°CDB		5~22			
	Type/GWP					R-32/675.0			
Control						Electronic expansion valve			
	Circuits	Quantity				1			
Refrigerant charge	Per circuit	kg				3.80			
	Per circuit	TCO2Eq				2.6			
Unit	Running	Max	A			30.8			
Power supply	Phase/Frequency/Voltage	Hz/V				1~/50/230			

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

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
- › Daikin swing compressor
- › New casing for the outdoor units
- › Separate MMI-2 controller for indoor installation



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	
	η _{s,c}	%		229		226		221	
SEER				5.79		5.71		5.59	
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	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			
Refrigerant	Water side	Cooling	Min.~Max.	°CDB		5~22			
	Type/GWP					R-32/675.0			
Control						Electronic expansion valve			
	Circuits	Quantity				1			
Refrigerant charge	Per circuit	kg				3.80			
	Per circuit	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

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
		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

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



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	
		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

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



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

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



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

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



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			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

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



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	Pdc		kW	16.1	21.1	25.8	32.7	39.9	41.7	51.1	64.3	88.7
	35°C		%	205	210	211	224	210	227	213	208	202	
	ηs,c												
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	Seasonal space heating eff. class	3.88	4.06	4.08	4.11	4.13	4.14	4.09	3.94	4.00
					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

Air cooled screw chiller with free cooling, high efficiency, standard/low sound

- › Free cooling chiller for space cooling and industrial processes
- › Stepless single-screw compressor
- › Greater energy savings and reduced CO₂ emissions during cold season
- › Wide operating range: NEW OPTION 187 (high evaporator leaving temperature up to 25°C)
- › 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.



EWAD-CFXS



EWAD-CFXL

Cooling only				EWAD-CFXS/XL		640	770	850	900	C10	C11	C12	C13	C14	C15	C16
Cooling capacity	Nom.			kW	640 (1) / 415 (2)	772 (1) / 510 (2)	852 (1) / 583 (2)	902 (1) / 612 (2)	1,027 (1) / 701 (2)	1,089 (1) / 734 (2)	1,269 (1) / 902 (2)	1,349 (1) / 957 (2)	1,435 (1) / 963 (2)	1,493 (1) / 1,013 (2)	1,555 (1) / 1,039 (2)	
Power input	Cooling	Nom.		kW	257 (1) / 53.7 (2)	272 (1) / 62.0 (2)	293 (1) / 64.7 (2)	324 (1) / 69.8 (2)	360 (1) / 75.7 (2)	399 (1) / 83.4 (2)	439 (1) / 86.4 (2)	439 (1) / 92.8 (2)	454 (1) / 101 (2)	492 (1) / 109 (2)	530 (1) / 115 (2)	
Capacity control	Method				Stepless											
	Minimum capacity			%	12.5											
EER					2.49 (1) / 11.91 (2)	2.84 (1) / 12.44 (2)	2.90 (1) / 13.17 (2)	2.78 (1) / 12.93 (2)	2.85 (1) / 13.56 (2)	2.73 (1) / 13.05 (2)	3.19 (1) / 14.68 (2)	3.08 (1) / 14.55 (2)	3.16 (1) / 14.21 (2)	3.04 (1) / 13.72 (2)	2.93 (1) / 13.50 (2)	
IPLV					3.86	4.03	4.10	4.05	4.00	3.95	4.36	4.25	4.36	4.35	4.26	
Dimensions	Unit	Height		mm	2,565											
		Width		mm	2,480											
		Length		mm	6,300	7,200	8,100		9,000		10,800					
Weight (XS)	Unit			kg	7,760	8,340	8,900		10,160	10,420	11,900		12,540	12,620	12,670	
	Operation weight			kg	8,515	9,100	9,705		11,169	11,429	13,276		14,516	14,596	14,646	
Weight (XL)	Unit			kg	8,050	8,620	9,190		10,450	10,710	12,190		12,830	12,910	12,960	
	Operation weight			kg	8,795	9,390	9,995		11,459	11,719	13,566		14,806	14,886	14,936	
Water heat exchanger	Type				Single pass shell & tube											
	Water flow rate	Cooling	Nom.	l/s	27.8 (1) / 27.8 (2)	33.5 (1) / 33.5 (2)	37.0 (1) / 37.0 (2)	39.2 (1) / 39.2 (2)	44.6 (1) / 44.6 (2)	47.3 (1) / 47.3 (2)	55.1 (1) / 55.1 (2)	58.6 (1) / 58.6 (2)	62.4 (1) / 62.4 (2)	64.9 (1) / 64.9 (2)	67.6 (1) / 67.6 (2)	
	Water pressure drop	Cooling	Nom.	kPa	85 (1) / 128 (2)	105 (1) / 172 (2)	90 (1) / 178 (2)	101 (1) / 198 (2)	111 (1) / 245 (2)	124 (1) / 272 (2)	98 (1) / 232 (2)	110 (1) / 259 (2)	139 (1) / 305 (2)	150 (1) / 328 (2)	162 (1) / 354 (2)	
	Water volume			l	741	771	808		1,012		1,372		1,965			
Air heat exchanger	Type				High efficiency fin and tube type											
Compressor	Type				Asymmetric single screw compressor											
	Quantity				2											
Fan	Type				Direct propeller											
	Air flow rate	Nom.		l/s	50,368	60,441	70,515		80,588		95,253					
Sound power level (XS)	Cooling	Nom.	dBA	100			101				102		103			
Sound power level (XL)	Cooling	Nom.	dBA	96			97		98		99					
Sound pressure level (XS)	Cooling	Nom.	dBA	79			80				81		80			
Sound pressure level (XL)	Cooling	Nom.	dBA	76					77							
Operation range	Air side	Cooling	Min.~Max.	°CDB	-20~45											
	Water side	Cooling	Min.~Max.	°CDB	-8~25											
Refrigerant	Type/GWP				R-134a/1,430											
	Circuits	Quantity			2											
Refrigerant charge				kg/TCO2Eq	64.0/91.5	73.0/104.4	81.0/115.8		91.0/130.1		107.0/153.0		112.5/160.9	124.0/177.3		
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm				219.1mm				273mm			
Unit	Starting current	Max		A	605	619	658		924	971	1,030			1,073	1,086	
	Running current	Cooling	Nom.	A	404	430	467	515	568	628	636	701	720	773	825	
		Max		A	476	510	561	605	672	731	811	875		929	982	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400											

(1) Cooling: entering evaporator water temp. 16°C; leaving evaporator water temp. 10°C; ambient air temp. 35°C; full load operation.

(2) Data is calculated at ambient air temperature 5°C, inlet water temperature 16°C.

Air cooled screw chiller with free cooling, high efficiency, reduced sound

- › Free cooling chiller for space cooling and industrial processes
- › Stepless single-screw compressor
- › Greater energy savings and reduced CO₂ emissions during cold season
- › Wide operating range: NEW OPTION 187 (high evaporator leaving temperature up to 25°C)
- › 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.



EWAD-CFXR

Cooling Only				EWAD-CFXR		600	740	820	870	980	C10	C11	C12	C13	C14	C15
Cooling capacity	Nom.				kW	602 (1) / 374 (2)	739 (1) / 468 (2)	821 (1) / 539 (2)	866 (1) / 562 (2)	981 (1) / 644 (2)	1,034 (1) / 670 (2)	1,229 (1) / 825 (2)	1,302 (1) / 866 (2)	1,374 (1) / 889 (2)	1,424 (1) / 909 (2)	1,476 (1) / 929 (2)
Power input	Cooling	Nom.			kW	263 (1) / 46.6 (2)	278 (1) / 56.2 (2)	299 (1) / 58.5 (2)	334 (1) / 63.1 (2)	368 (1) / 68.5 (2)	412 (1) / 74.4 (2)	403 (1) / 80.0 (2)	450 (1) / 87.5 (2)	466 (1) / 93.4 (2)	511 (1) / 103 (2)	556 (1) / 109 (2)
Capacity control	Method					Stepless										
	Minimum capacity				%	12.5										
EER						2.29 (1) / 12.91 (2)	2.66 (1) / 13.17 (2)	2.75 (1) / 14.04 (2)	2.59 (1) / 13.71 (2)	2.67 (1) / 14.33 (2)	2.51 (1) / 13.89 (2)	3.05 (1) / 15.36 (2)	2.90 (1) / 14.87 (2)	2.95 (1) / 14.7 (2)	2.79 (1) / 13.85 (2)	2.66 (1) / 13.56 (2)
IPLV						4.09	4.15	4.16	4.20	4.10	4.08	4.42	4.37	4.42		4.28
Dimensions	Unit	Height			mm	2,565										
		Width			mm	2,480										
		Depth			mm	6,300	7,200	8,100		9,000				10,800		
Weight	Unit				kg	8,050	8,620	9,190		10,450	10,710	12,190		12,830	12,910	12,960
	Operation weight				kg	8,795	9,390	9,995		11,459	11,719	13,566		14,806	14,886	14,936
Water heat exchanger	Type					Single pass shell & tube										
	Water flow rate	Cooling	Nom.		l/s	26.2 (1) / 26.2 (2)	32.1 (1) / 32.1 (2)	35.7 (1) / 35.7 (2)	37.6 (1) / 37.6 (2)	42.6 (1) / 42.6 (2)	44.9 (1) / 44.9 (2)	53.4 (1) / 53.4 (2)	56.6 (1) / 56.6 (2)	59.7 (1) / 59.7 (2)	61.9 (1) / 61.9 (2)	64.1 (1) / 64.1 (2)
	Water pressure drop	Cooling	Nom.		kPa	76 (1) / 115 (2)	97 (1) / 159 (2)	84 (1) / 167 (2)	93 (1) / 184 (2)	102 (1) / 225 (2)	113 (1) / 248 (2)	92 (1) / 219 (2)	103 (1) / 243 (2)	128 (1) / 282 (2)	137 (1) / 301 (2)	146 (1) / 321 (2)
	Water volume				l	741	771	808		1,012		1,372			1,965	
Air heat exchanger	Type					High efficiency fin and tube type										
Compressor	Type					Asymm single screw										
	Quantity					2										
Fan	Type					Direct propeller										
	Quantity					10	12	14		16		20				
	Air flow rate Nom.				l/s	38,935	46,722	54,508		62,295		73,011				
	Speed				rpm	715										
Sound power level	Cooling	Nom.			dBA	92					94			95		
Sound pressure level	Cooling	Nom.			dBA	71		72		73		72			73	
Operation range	Air side	Cooling	Min.~Max.		°CDB	-20~-45										
	Water side	Cooling	Min.~Max.		°CDB	-8~-25										
Refrigerant	Type/GWP					R-134a/1,430										
	Circuits	Quantity				2										
Refrigerant charge	Per circuit				kg	64.0	73.0	81.0		91.0		107.0		112.5		124.0
	Per circuit				TCO2eq	91.5	104.4	115.8		130.1		153.0		160.9		177.3
Piping connections	Evaporator water inlet/outlet (OD)					168.3mm					219.1mm			273mm		
Unit	Starting current	Max			A	598	611	648		912	960	1,016			1,059	1,072
	Running current	Cooling	Nom.		A	411	439	473	526	580	647	645	717	738	800	862
	current	Max			A	462	493	542	585	649	708	783	847		901	954
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400										

(1) Cooling: entering evaporator water temp. 16°C; leaving evaporator water temp. 10°C; ambient air temp. 35°C; full load operation.

(2) Data is calculated at ambient air temperature 5°C, inlet water temperature 16°C.

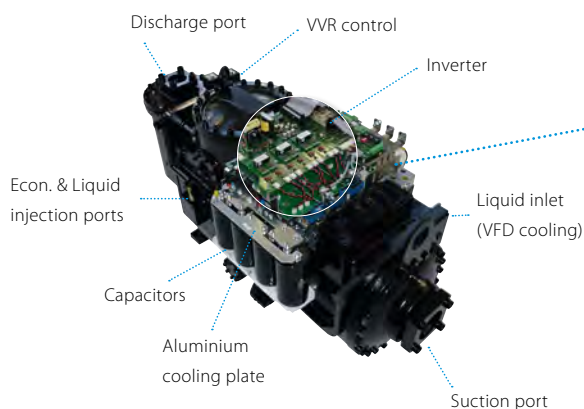


EWA(H)(D)-TZB/C screw inverter chiller High efficiency in comfort and process cooling

Over 1,000 sites around the world with screw chillers installed is demonstrating that we will never stop developing the most advanced technology with highest quality level to offer the best chiller experience to our customers.

EWA(H)(D)-TZB/C at a glance

- › Full inverter air cooled chiller
- › Capacity range from 190kW to 2,000kW for series with R134a
- › Capacity range from 170kW to 1,500kW for series with R1234ze
- › Daikin single screw compressor with integrated inverter
- › Best efficiency at full load and part load conditions



- › Daikin EWAD-TZB
Screw Inverter Chiller

Check on
YouTube
[www.youtube.com/
DaikinEurope](http://www.youtube.com/DaikinEurope)



Web-based chiller selection software

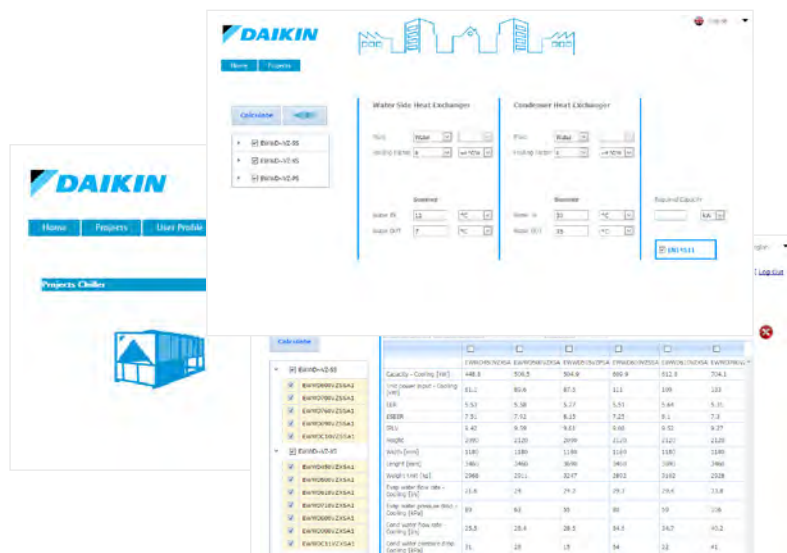
A user-friendly interface allows users to quickly create new projects, open and change existing projects or simply do a quick selection.

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/>



Why choose EWA(H)(D)-TZB/C?

High efficiencies both at full load and part load:

- › Daikin compressor with in-built inverter for optimized efficiency
- › In-house developed software with dynamic condensing pressure management and innovative economizer control logic

Rapid return on investment

- › Payback of three years, compared to a non-inverter unit for comfort cooling applications
- › Less than one year a for process cooling applications

Perfect comfort level

- › Infinitely variable load regulation
- › Precise leaving water temperature control thanks to stepless regulation

Compact design

- › More compact heat exchanger with superior efficiencies
- › Reduced electrical panel dimensions thanks to the inverter compressor mounted

Lowest sound levels

- › Down to 87 dB(A) sound power at full load and even lower at part load thanks to fans and compressors variable speed
- › Quiet compressor thanks to special acoustic executions
- › Unique Daikin fans design with reduced noise impact and vibrations

Unrivalled and proven reliability

- › Extensive testing of chillers and components in laboratories, Daikin factories and selected job sites - even at extreme working conditions
- › Reduced energy demand without compromising on reliability and performance

Extensive option list

More than 60 different options are available to fit the EWA(H)(D)-TZB/C chiller to fit to your requirements:

- › Rapid restart after power failure
- › Variable speed water pumps to optimise the working efficiency
- › Total heat recovery: 80 to 85% of the total heat rejection of the chiller can be recovered
- › Partial heat recovery: 15 to 20% of the total heat rejection of the chiller can be recovered
- › Refrigerant leak detection



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.

Air cooled screw inverter chiller, standard efficiency, standard/low sound

- › Optimized energy efficiency both at full and part load conditions
- › Inverter stepless single-screw compressor
- › Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- › Compact design for small footprint and minimized installation space
- › Low operating sound levels are achieved by the latest compressor and fan design
- › 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.



EWAD-TZSSB



EWAD-TZSLB

Cooling Only				EWAD-TZSSB/SLB				160	190	240	270	300	360	380	455	500	570	610	660	700	820	900	990	C10	C11
Space cooling	A Condition 35°C Pdc			kW	169.1	200.88	235.29	268.82	305.99	351.41	394.74	455.64	499.81	569.52	612.22	660.72	700.94	815.92	889.95	987.19	1,045.39	1,103.99			
	η _{s,c}			%	168.2	172.6	169.4	175.4	177	183	172.6	171.4	175	180.2	189.8	182.6	185.4	197.4	194.2	200.6	200.2	200.6			
SEER					4.28	4.39	4.31	4.46	4.5	4.65	4.39	4.63	4.65	4.58	4.82	4.64	4.71	5.01	4.93	5.09	5.08	5.09			
Cooling capacity	Nom.			kW	169.1	200.9	235.3	268.8	306	351.4	394.7	455.6	499.8	569.5	612.2	660.7	700.9	816	890	987	1,045	1,104			
Power input	Cooling	Nom.		kW	56.48	69.9	82.99	89.94	108.6	118	139.4	163.8	174.6	198.1	217.6	239	249.1	257.9	296.1	321.3	346.4	366.2			
Capacity control	Minimum capacity			%	37	31	34	29	25	24	16	17	16	14	13	12				10					
EER					2.995	2.874	2.835	2.989	2.817	2.954	2.832	2.783	2.862	2.876	2.813	2.764	2.813	3.164	3.005	3.072	3.017	3.015			
ESEER					4.37	4.46	4.3	4.4	4.42	4.5	4.46	4.44	4.49	4.54	4.59	4.63	4.7	4.43		4.44		4.51			
IPLV					5.3	5.27	5.04	5.19	5.37	5.53	5.34	5.3	5.46	5.64	5.62	5.7	5.29	5.26	5.25	5.26	5.27				
Dimensions	Unit	Height	mm	2,540																					
		Width	mm	2,282																					
		Depth	mm	2,330		3,230		4,130		5,030		5,887		6,786		6,877		7,787	8,687	9,587					
Weight (SSB)	Unit	kg		2,066	2,091	2,149	2,375	2,422	2,771	4,044	4,060	4,317	4,603	4,780	4,804	5,074	6,282	6,382	6,777	7,132	7,410				
	Operation weight	kg		2,086	2,117	2,187	2,401	2,460	2,821	4,202	4,224	4,475	4,761	5,050	5,059	5,329	6,532	6,632	7,027	7,382	7,660				
Weight (SLB)	Unit	kg		2,081	2,106	2,164	2,390	2,437	2,786	4,074	4,090	4,347	4,633	4,810	4,834	5,104	6,282	6,382	6,777	7,132	7,410				
	Operation weight	kg		2,101	2,132	2,202	2,416	2,475	2,836	4,232	4,254	4,505	4,791	5,080	5,089	5,359	6,532	6,632	7,027	7,382	7,660				
Water heat exchanger	Type			Plate heat exchanger									Shell and tube												
	Water volume	l		2025	26.1	37.35	26.1	37.35	49.5	158	164	158	270	255	283		485		453						
	Water flow rate	Cooling	Nom.	l/s	8.1	9.6	11.2	12.9	14.6	16.8	18.9	21.8	23.9	27.3	29.3	31.6	33.5	39.1	42.6	47.2	50	52.8			
	Water pressure drop	Cooling	Nom.	kPa	25	19.3	15.4	32.6	25.2	25.9		32.4	44	55.7	38.8	32.3	36	52.6	36.9	42.2	46.6	37.3			
Air heat exchanger	Type			Microchannel																					
Compressor	Type			Driven vapour compression																					
	Quantity			1									2												
Fan	Type			Direct propeller																					
	Quantity			4		6		8		10		12		14		16		18		20					
	Air flow rate	Nom.	l/s	15,109		22,664		30,219		37,774		45,328		52,883		69,177		79,060		88,942					
	Speed	rpm		700																					
Sound power level (SSB)	Cooling	Nom.	dBA	96		97		98		99		100		101		102		102		103					
Sound power level (SLB)	Cooling	Nom.	dBA	90		91		92		94		95		96		97		99		100					
Sound pressure level (SSB)	Cooling	Nom.	dBA	77		78		79		80		82		84		81									
Sound pressure level (SLB)	Cooling	Nom.	dBA	71		72		73		74		75		76		77		78							
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18 ~50														-18~45						
	Water side	Cooling	Min.~Max.	°CDB	-8~18														-15~20						
Refrigerant	Type/GWP			R-134a/1,430																					
	Charge	kg		27	29	33	38	41	52	58	59	68	75	77	83	90		91	104	117	130				
	Circuits	Quantity		1									2												
Refrigerant charge	Per circuit	TCO2eq		38.6	41.5	47.2	54.3	58.6	74.4	41.5	42.2	48.6	53.6	55.1	59.3	64.4	65.1	74.4	83.7	93.0					
Piping connections	Evaporator water inlet/outlet (OD)			3"		4"		5"		6"		168.3 mm		219.1mm											
Unit	Running current	Cooling	Nom.	A	102	123	188	177	188	200	246	372	366	361	377	396	414	429	501	528	563	597			
		Max		A	130	149	160	187	220	246	298	320	350	374	439	466	486	537	599	652	708	768			
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																				

performances according to CSS software 10.27

Air cooled screw inverter chiller, standard efficiency, reduced sound

- › Optimized energy efficiency both at full and part load conditions
- › Inverter stepless single-screw compressor
- › Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- › Compact design for small footprint and minimized installation space
- › Low operating sound levels are achieved by the latest compressor and fan design
- › 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.



EWAD-TZSRB

Cooling Only				EWAD-TZSRB		160	190	240	270	300	360	380	455	500	570	610	660	700	820	900	990	C10	C11																									
Space cooling	A Condition 35°C Pdc			kW	169.1	200.88	235.29	268.82	305.99	351.41	394.01	454.57	499.14	568.6	610.43	658.99	699.87	799.95	894.94	956.14	1,013.27	1,067.02																										
	ηs,c			%	168.2	172.6	169.4	175.4	177	183	172.2	170.6	174.2	179.4	188.6	181.8	184.6	215	213.4	213.8	216.2	217.8																										
SEER					4.28	4.39	4.31	4.46	4.5	4.65	4.38	4.63	4.64	4.56	4.79	4.62	4.69	5.45	5.41	5.42	5.48	5.52																										
Cooling capacity	Nom.			kW	169.1	200.9	235.3	268.8	306	351.4	394	454.6	499.1	568.6	610.4	659	699.9	800	895	956	1,013	1,067																										
Power input	Cooling	Nom.		kW	56.48	69.9	82.99	89.94	108.6	118	140.2	164.8	175.4	199.1	218.4	240.3	250.3	247.8	294.1	316	335.6	358.9																										
Capacity control	Minimum capacity			%	37	31	34	29	25	24	16	17	16	14	13	12				10																												
EER					2.995	2.874	2.835	2.989	2.817	2.954	2.81	2.759	2.846	2.856	2.795	2.742	2.796	3.229	3.043	3.016	3.018	2.973																										
ESEER					4.37	4.46	4.3	4.4	4.42	4.5	4.44	4.43	4.47	4.53	4.61	4.6	4.68	4.8	4.85	4.83	4.98																											
IPLV					5.3	5.27	5.04	5.19	5.37	5.53	5.3	5.26	5.43	5.6	5.61	5.6	5.67	5.92	5.74	5.77	5.75	5.86																										
Dimensions	Unit	Height		mm	2,540																																											
		Width		mm	2,282																																											
		Length		mm	2,330																																											
Weight	Unit			kg	2,166	2,191	2,249	2,475	2,522	2,871	4,244	4,260	4,517	4,803	4,980	5,004	5,274	6,997	7,097	7,452	7,730	8,023																										
	Operation weight			kg	2,186	2,217	2,287	2,501	2,560	2,921	4,402	4,424	4,675	4,961	5,250	5,259	5,529	7,247	7,347	7,702	7,980	8,273																										
Water heat exchanger	Type				Plate heat exchanger										Shell and tube																																	
	Water volume			l	20.25	26.1	37.35	26.1	37.35	49.5	158	164	158	270	255	283		485		453																												
	Water flow rate	Cooling	Nom.	l/s	8.1	9.6	11.2	12.9	14.6	16.8	18.8	21.7	23.9	27.2	29.2	31.5	33.5	38.3	42.8	45.7	48.5	51																										
	Water pressure drop	Cooling	Nom.	kPa	25	19.3	15.4	32.6	25.2	25.9	25.8	32.2	43.9	55.5	38.6	32.2	35.9	52.1	36.3	41	45.6	36.3																										
Air heat exchanger	Type				Microchannel																																											
Compressor	Type				Driven vapour compression																																											
	Quantity				1										2																																	
Fan	Type				Direct propeller																																											
	Quantity				4				6				8				10				12				14				16				18				20				22							
	Air flow rate		Nom.	l/s	15,109				22,664				30,219				29,650				36,920				44,475				51,745				59,299				66,570				74,124				81,394			
	Speed			rpm	700																																											
Sound power level	Cooling	Nom.		dBA	86	87		88		90				91				92		94				95																								
Sound pressure level	Cooling	Nom.		dBA	67	68				69		70										71				73																						
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~50																								-18~45																			
	Water side	Cooling	Min.~Max.	°CDB	-8~18																								-15~20																			
Refrigerant	Type/GWP				R-134a/1,430																																											
	Charge			kg	27	29	33	38	41	52	58	59	68	75	77	83	90	104		117	130	143																										
	Circuits	Quantity			1																																											
Refrigerant charge	Per circuit			TCO2Eq	38.6	41.5	47.2	54.3	58.6	74.4	41.5	42.2	48.6	53.6	55.1	59.3	64.4	74.4		83.7	93.0	102.2																										
Piping connections	Evaporator water inlet/outlet (OD)				3"		4"				5"						6"				168.3 mm		219.1mm																									
Unit	Running current	Cooling	Nom.	A	102	123	188	177	188	200	247	374	368	363	378	398	416	422	496	530	561	599																										
		Max		A	130	149	160	187	220	246	298	320	350	374	439	466	486	523	585	635	688	745																										
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																																											

performances according to CSS software 10.27

Air cooled screw inverter chiller, high efficiency, standard/low sound

- › High energy efficiency both at full and part load conditions
- › Inverter stepless single-screw compressor with DC electrical motor
- › Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- › Continuous fans speed modulation thanks to inverter driven fans to improve part load efficiency
- › Compact design for small footprint and minimized installation space
- › Low operating sound levels are achieved by the latest compressor and fan design
- › 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.



EWAD-TZXS



EWAD-TZLB

Cooling Only				EWAD-TZXS/BLB																		190	220	240	290	320	360	420	450	540	570	610	660	680	770	850	910	C10	C11
Space cooling (XSB)	A Condition 35°C	Pdc		kW	180.41	211.34	239.54	203	202.6	195.4	198.2	199.8	201	563.39	599.41	639.37	678.22	763.88	850.16	911.93	1,001.2	1,045.43																	
				%	195	198.6	195.4	5.15	5.14	4.96	5.03	5.07	5.1	198.6	203.8	206.2	205.4	228.6	226.6	233.4	243	237																	
Space cooling (XLB)	A Condition 35°C	Pdc		kW	180.41	211.34	239.54	276.79	313.2	360.56	417.27	472.59	528.99	563.39	599.41	639.37	678.22	763.88	850.16	911.93	1,001.2	1,045.43																	
				%	195	198.6	195.4	203	202.6	195.4	198.2	199.8	201	198.6	203.8	206.2	205.4	228.6	226.6	233.4	243	237																	
SEER					4.95	5.04	4.96	5.15	5.14	4.96	5.03	5.07	5.1	5.04	5.17	5.23	5.21	5.79	5.74	5.91	6.15	6																	
Cooling capacity	Nom.			kW	180.4	211.3	239.5	276.8	313.2	360.6	417.3	472.6	529	563.4	599.4	639.4	678.2	764	850	912	1,001	1,045																	
Power input	Cooling	Nom.		kW	52.13	63.22	72.5	83.87	100.2	109.1	132.2	144.9	163.5	181.1	191.7	202.1	219.8	226.5	266.1	275.8	303.4	320.1																	
Capacity control	Minimum capacity			%	34	29	34	29	25	17	16	17	16	15	14	13				10																			
EER					3.46	3.343	3.304	3.3	3.127	3.304	3.156	3.261	3.236	3.111	3.127	3.164	3.085	3.374	3.195	3.306	3.3	3.265																	
ESEER					5.11	5.06	4.99	5.09	5.13	5.14	5.09	5	5.07	5.11	5.15		5.09		5.13	5.15	5.22																		
IPLV					6.26	6.15	6.19		6.17	6.4	6.3		6.22	6.29	6.31	6.25	6.21	6.26	6.08	6.19	6.29	6.24																	
Dimensions	Unit	Height		mm	2,540																																		
				mm	2,282																																		
				mm	3,230																																		
Weight (XSB)	Unit			kg	2,362	2,409	2,421	2,770		4,292		4,602	4,800	5,072	5,425	5,677	6,777	7,132	7,410	7,703																			
	Operation weight		kg	2,388	2,447	2,459	2,820		4,450		4,760	5,055	5,327	5,680	6,927	7,027	7,382	7,660	7,953																				
Weight (XLB)	Unit			kg	2,377	2,424	2,436	2,785		4,322		4,632	4,830	5,102	5,455	6,677	6,777	7,132	7,410	7,703																			
	Operation weight		kg	2,403	2,462	2,474	2,835		4,480		4,790	5,085	5,357	5,710	6,927	7,027	7,382	7,660	7,953																				
Water heat exchanger	Type				Plate heat exchanger								Shell and tube																										
	Water volume			l	26.1	37.35		49.5		158				255				301		485		453																	
	Water flow rate	Cooling	Nom.	l/s	8.6	10.1	11.5	13.2	15	17.3	20	22.6	25.3	27	28.7	30.6	32.4	36.6	40.7	43.6	47.9	50																	
	Water pressure drop	Cooling	Nom.	kPa	16.4	13.2	16.2	17.1	21	34.3	31.2	39.7	36.7	41.1	27.1	30.5	33.3	40.5	33.5	37.5	42.4	34.3																	
Air heat exchanger	Type				Microchannel																																		
Compressor	Type				Driven vapour compression																																		
	Quantity				1					2																													
Fan	Type				Direct propeller																																		
	Quantity				6		8		10		12		14		16		18		20		22																		
	Air flow rate	Nom.		l/s	22,664		30,219		37,774		45,328		52,883		60,438		67,993		75,547		83,102																		
Sound power level (XSB)	Cooling	Nom.		dBA	96	97	96	-					100			101					102																		
	Sound power level (XLB)	Cooling	Nom.		dBA	91	92	91	92	93	94				95		96		97																				
Sound pressure level (XSB)	Cooling	Nom.		dBA	77				78		79				80				79																				
Sound pressure level (XLB)	Cooling	Nom.		dBA	72				73		74	73		74				75																					
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55																																		
	Water side	Cooling	Min.~Max.	°CDB	-8~18																																		
Refrigerant	Type/GWP (XSB)				R-134a/1,430				R-134a/-						R-134a/1,430																								
	Type/GWP (XLB)				R-134a/1,430																																		
	Charge				kg	36	39	40	51		64		74	80		89	96		104		117	130	143																
	Circuits	Quantity			1				2																														
Refrigerant charge	Per circuit			TCO2Eq	51.5	55.8	57.2	72.9		45.8		52.9	57.2		63.6	68.6		74.4		83.7	93.0	102.2																	
Piping connections	Evaporator water inlet/outlet (OD)				3"		4"		5"				6"				168.3 mm		219.1mm																				
Unit	Running current	Cooling	Nom.	A	110	113	186		192	225	231	371.0	383	392	390	387	395	394	451	469	500	537																	
	Max			A	130	149	166	198	225	256	292	333	358	385	417	450	478	508	562	590	640	694																	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																																		

performances according to CSS software 10.27

Air cooled screw inverter chiller, high efficiency, reduced sound

- › High energy efficiency both at full and part load conditions
- › Inverter stepless single-screw compressor with DC electrical motor
- › Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- › Continuous fans speed modulation thanks to inverter driven fans to improve part load efficiency
- › Compact design for small footprint and minimized installation space
- › Low operating sound levels are achieved by the latest compressor and fan design
- › 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.



EWAD-TZXR

Cooling Only				EWAD-TZXR																			190	220	240	290	320	360	420	450	540	570	610	660	680	770	850	910	C10	C11
Space cooling	A Condition 35°C Pdc ηs,c			kW	180.41	211.34	239.54	276.79	313.2	360.28	416.8	472.11	528.32	562.28	598.77	638.64	677.38	763.85	850.14	911.93	1,001.2	1,045.41																		
				%	195	198.6	195.4	203	202.6	194.6	198.2	199	200.2	198.2	202.6	205	204.6	229.8	229.4	233.4	244.2	237.8																		
SEER				kW	4.95	5.04	4.96	5.15	5.14	4.94	5.03	5.05	5.08	5.03	5.14	5.2	5.19	5.82	5.81	5.91	6.18	6.02																		
Cooling capacity	Nom.			kW	180.4	211.3	239.5	276.8	313.2	360.3	416.8	472.1	528.3	562.3	598.8	638.6	677.4	764	850	912	1,001	1,045																		
Power input	Cooling	Nom.		kW	52.13	63.22	72.5	83.87	100.2	109.5	132.1	145.6	164.3	181.9	192.5	202	220.9	226.5	266.8	275.4	303.1	320.6																		
Capacity control	Minimum capacity			%	34	29	34	29	25	17	16	17	16	15	14	13	10																							
EER					3.46	3.343	3.304	3.3	3.127	3.29	3.156	3.243	3.215	3.092	3.111	3.146	3.067	3.373	3.186	3.311	3.302	3.26																		
ESEER					5.11	5.06	4.99	5.09	5.13	5.12	5.09	4.99	5.04	5.05	5.13	5.07	5.09	5.13	5.15	5.22																				
IPLV					6.26	6.15	6.19	6.17		6.37	6.3	6.2		6.26	6.27	6.24	6.18	6.26	6.08	6.19	6.29	6.24																		
Dimensions	Unit	Height		mm	2,540																																			
		Width		mm	2,282																																			
		Length		mm	3,230			4,130		5,030		5,887		6,786		7,684		7,787		8,687		9,587	10,488																	
Weight	Unit			kg	2,462	2,509	2,521	2,870		4,492		4,802		5,000		5,272		5,625		6,997		7,097	7,452	7,730	8,023															
	Operation weight			kg	2,488	2,547	2,559	2,920		4,650		4,960		5,255		5,527		5,880		7,247		7,347	7,702	7,980	8,273															
Water heat exchanger	Type			Plate heat exchanger										Shell and tube																										
	Water volume			l	26.1	37.35		49.5		158				255						301	485		453																	
	Water flow rate	Cooling	Nom.	l/s	8.6	10.1	11.5	13.2	15	17.2	19.9	22.6	25.3	26.9	28.6	30.5	32.4	36.6	40.7	43.6	47.9	50																		
	Water pressure drop	Cooling	Nom.	kPa	16.4	13.2	16.2	17.1	21	34.2	31.1	39.7	36.6	41	27.1	30.4	33.2	40.3	33.3	37.3	42.3	34.2																		
Air heat exchanger	Type			Microchannel																																				
Compressor	Type			Driven vapour compression																																				
	Quantity			1					2																															
Fan	Type			Direct propeller																																				
	Quantity			6			8		10		12		14		16				18	20	22																			
	Air flow rate	Nom.		l/s	22,664			30,219		36,920		44,475		51,745		59,299		66,570		74,124	81,394																			
	Speed			rpm	700																																			
Sound power level	Cooling	Nom.		dBa	88			89		90		91		92		94		95																						
Sound pressure level	Cooling	Nom.		dBa	68			69		70										71		73																		
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55																			-18~53																
	Water side	Cooling	Min.~Max.	°CDB	-8~18																			-15~20																
Refrigerant	Type/GWP			R-134a/1,430																																				
	Charge			kg	36	39	40	51		64		74	80		89	96		104		117	130	143																		
	Circuits	Quantity			1					2																														
Refrigerant charge	Per circuit			TCO2Eq	51.5	55.8	57.2	72.9		45.8		52.9	57.2		63.6	68.6		74.4		83.7	93.0	102.2																		
Piping connections	Evaporator water inlet/outlet (OD)				3"		4"			5"			6"					168.3 mm	219.1mm																					
Unit	Running current	Cooling Max	Nom.	A	110	113	186		192	226	231	373.0	385	393	391	389	396	395	453	471	502	539																		
				A	130	149	166	198	225	256	292	333	358	385	417	450	478	508	562	590	640	694																		
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																																			

performances according to CSS software 10.27

Air cooled screw inverter chiller, premium efficiency, standard/low sound

- › Premium energy efficiency both at full and part load conditions
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- › Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
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EWAD-TZPSB



EWAD-TZPLB

Cooling Only				EWAD-TZPSB/PLB		190	220	240	290	300	350	420	495	550	620	720	820	950
Space cooling	A Condition 35°C	Pdc		kW	183.62	216.12	244.42	281.93	323.37	378.96	437.31	501.15	543.03	620	717	832.86	949.85	
	ηs,c			%	204.6	210.2	208.6	209	217	207	211.4	221.8	219	241.4	245.8	249	249.4	
SEER					5.19	5.33	5.29	5.3	5.5	5.25	5.36	5.62	5.55	6.11	6.22	6.3	6.31	
Cooling capacity	Nom.			kW	183.6	216.1	244.4	281.9	323.4	379	437.3	501.2	543	620	717	833	950	
Power input	Cooling	Nom.		kW	50.48	60.72	68.74	83.43	95.89	104.6	124.9	139.1	151.4	178.8	182.3	220.4	252.5	
Capacity control	Minimum capacity			%	34	29	34	29	27	19	20	17	10					
EER					3.637	3.559	3.555	3.379	3.372	3.623	3.502	3.603	3.586	3.468	3.933	3.78	3.763	
ESEER					5.54	5.51	5.42	5.4	5.35	5.48		5.45	5.5	5.42	5.59	5.54	5.55	
IPLV					6.49	6.35	6.41	6.35	6.21	6.52	6.58	6.55	6.51	6.47	6.73	6.6	6.64	
Dimensions	Unit	Height		mm	2,540													
		Width		mm	2,282													
		Length		mm	4,130				5,030	5,887	6,786	7,684	8,579	9,480	9,587	10,488	11,387	
Weight (PSB)	Unit		kg	2,758		2,769	2,770	3,020	4,735	5,069	5,077	6,527	6,555	7,650	7,943	8,240		
	Operation weight			kg	2,808		2,819	2,820	3,070	4,990	5,324	5,332	6,777	6,805	7,900	8,193	8,490	
Weight (PLB)	Unit		kg	2,773		2,784	2,785	3,035	4,765	5,099	5,107	6,527	6,555	7,650	7,943	8,240		
	Operation weight			kg	2,823		2,834	2,835	3,085	5,020	5,354	5,362	6,777	6,805	7,900	8,193	8,490	
Water heat exchanger	Type				Plate heat exchanger						Shell and tube							
	Water volume			l	49.5						255			307		485		453
	Water flow rate	Cooling	Nom.	l/s	8.8	10.3	11.7	13.5	15.5	18.1	20.9	24	26	29.6	34.3	39.8	45.4	
	Water pressure drop	Cooling	Nom.	kPa	10.6	11	13.4	17.1	21.5	20.4	26.5	33.3	19.8	25	24.2	31.7	29	
Air heat exchanger	Type				Microchannel													
Compressor	Type				Driven vapour compression													
	Quantity				1					2								
Fan	Type				Direct propeller													
	Quantity				8				10	12	14	16	18	20		22	24	
	Air flow rate	Nom.		l/s	29,610				37,013	44,415	51,818	59,220	66,623	74,025		81,428	88,830	
	Speed			rpm	700													
Sound power level (PSB)	Cooling	Nom.		dBA	97				98	99		100	101					
Sound power level (PLB)	Cooling	Nom.		dBA	91	92	91	92		94			97					
Sound pressure level (PSB)	Cooling	Nom.		dBA	77				78		77	78		79				
Sound pressure level (PLB)	Cooling	Nom.		dBA	71	72	71	72		73	72	73	75					
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55										-18~53			
	Water side	Cooling	Min.~Max.	°CDB	-8~18										-15~20			
Refrigerant	Type/GWP				R-134a/1,430													
	Charge			kg	49		50	51	58	77	86	94	105	114	130	143	156	
	Circuits	Quantity			1					2								
Refrigerant charge	Per circuit			TCO2Eq	70.1		71.5	72.9	82.9	55.1	61.5	67.2	75.1	81.5	93.0	102.2	111.5	
Piping connections	Evaporator water inlet/outlet (OD)				3"		4"			6"			168.3 mm		219.1mm			
Unit	Running	Cooling	Nom.	A	101	104	172	177		208	211	346	258	298	316	375	424	
	current	Max		A	126	144	162	188	218	246	285	324	352	436	437	512	577	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400													

performances according to CSS software 10.27

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- › Inverter stepless single-screw compressor with DC electrical motor
- › Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
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EWAD-TZPRB

Cooling Only				EWAD-TZPRB	190	220	240	290	300	350	420	495	550	620	720	820	950	
Space cooling	A Condition 35°C	Pdc		kW	187.3	218.24	246.75	279.23	317.21	382.29	436.87	505.48	543.03	620.04	717	832.86	949.86	
	ηs,c			%	208.6	212.2	210.6	207	212.2	208.2	210.2	221	218.2	219.8	248.6	249.4	251	
SEER					5.29	5.38	5.34	5.25	5.38	5.28	5.33	5.6	5.53	5.57	6.29	6.31	6.35	
Cooling capacity	Nom.			kW	187.3	218.2	246.8	279.2	317.2	382.3	436.9	505.5	543	620	717	833	950	
Power input	Cooling	Nom.		kW	50.48	60.72	68.74	83.42	95.88	105.1	125.3	139.7	151.3	178.5	182.2	220.2	252.4	
Capacity control	Minimum capacity			%	34	29	34	29	27	19	20	17	10					
EER					3.71	3.594	3.59	3.347	3.308	3.637	3.486	3.618	3.59	3.473	3.935	3.783	3.764	
ESEER					5.55	5.52	5.27	5.16	5.2	5.32	5.21	5.38	5.5	5.42	5.59	5.54	5.55	
IPLV					6.49	6.35	6.23	6.07	6.04	6.3	6.27	6.47	6.53	6.47	6.73	6.6	6.64	
Dimensions	Unit	Height		mm	2,540													
		Width		mm	2,282													
		Length		mm	4,130				5,030	5,887	6,786	7,684	8,579	9,480	9,587	10,488	11,387	
Weight	Unit			kg	2,858		2,869	2,870	3,120	4,935	5,269	5,277	6,677	6,705	7,970	8,263	8,560	
	Operation weight			kg	2,908		2,919	2,920	3,170	5,190	5,524	5,532	6,927	6,955	8,220	8,513	8,810	
Water heat exchanger	Type				Plate heat exchanger						Shell and tube							
	Water volume			l	49.5						255			307		485		453
	Water flow rate	Cooling	Nom.	l/s	9	10.4	11.8	13.3	15.2	18.3	20.9	24.2	26	29.6	34.3	39.8	45.4	
	Water pressure drop	Cooling	Nom.	kPa	10.6	11	13.4	17.1	21.5	20.4	26.4	33.2	19.8	24.9	24.2	31.7	28.9	
Air heat exchanger	Type				Microchannel													
Compressor	Type				Driven vapour compression													
	Quantity				1					2								
Fan	Type				Direct propeller													
	Quantity				8				10	12	14	16	18	20	22	24		
	Air flow rate	Nom.		l/s	29,610				37,013	43,369	50,423	57,826	64,879	72,282	79,336	86,738		
	Speed			rpm	700													
Sound power level	Cooling	Nom.		dB(A)	87	88	87	88	89	90	94	95						
Sound pressure level	Cooling	Nom.		dB(A)	67	68	67	68			69	73						
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55												-18~53	
	Water side	Cooling	Min.~Max.	°CDB	-8~18												-15~20	
Refrigerant	Type/GWP				R-134a/1,430													
	Charge			kg	49	50	51	58	77	86	94	105	114	130	143	156		
	Circuits			Quantity	1					2								
Refrigerant charge	Per circuit			TCO2eq	70.1	71.5	72.9	82.9	55.1	61.5	67.2	75.1	81.5	93.0	102.2	111.5		
Piping connections	Evaporator water inlet/outlet (OD)				3"		4"			6"			168.3 mm		219.1mm			
Unit	Running	Cooling	Nom.	A	101	104	172	177	209	212	347	259	300	317	377	426		
	current	Max		A	126	144	162	188	218	246	285	324	352	436	437	512	577	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400													

performances according to CSS software 10.27

Air cooled screw inverter chiller, standard efficiency, standard/low sound

- › Optimized energy efficiency both at full and part load conditions
- › Inverter stepless single-screw compressor
- › Advanced compressor technology featuring integrated inverter and variable volume ratio (VVR)
- › HFO R1234zeE Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- › Low operating sound levels are achieved by the latest compressor and fan design
- › One or two truly independent refrigerant circuits for outstanding reliability
- › Compact design for small footprint and minimized installation space



EWAH-TZSSB/SLB/SRB

Microtech III

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



EWAH-TZSSB



EWAH-TZSLB

Cooling Only				EWAH-TZSSB/SLB				170	200	240	290	330	390	420	490	530	600	
Space cooling	A Condition 35°C Pdc			kW	170.68	199.73	240.35	293.87	326.19	393.7	421.46	490.52	528.28	598.77				
	ηs,c			%	166.8	169.44	179.68	186.68	180.56	181.08	180.56	187.04	186.72	190.68				
SEER					4.245	4.311	4.567	4.742	4.589	4.602	4.589	4.751	4.743	4.842				
Cooling capacity	Nom.			kW	171	200	240	294	326	394	421	491	528	599				
Power input	Cooling	Nom.		kW	55.4	69.4	83.3	97.5	115	131	146	170	188	212				
Capacity control	Method			Variable														
	Minimum capacity			%	33.4	28.6	23.6	18.7		14.3		13.4	11.8	11.2	10			
EER					3.08	2.88	2.89	3.02	2.82	2.99		2.88		2.8	2.82			
IPLV					5.19	5.22	5.5	5.73	5.52	5.18		5.16	5.4	5.31	5.41			
Dimensions	Unit	Height	mm	2,540														
		Width	mm	2,282														
		Length	mm	2,330		3,230			5,030			5,887		6,009				
Weight	Unit			kg	2,160.6	2,170.6	2,449.4	2,559.4		4,170.2		4,634		5,619				
	Operation weight			kg	2,186.7	2,207.95	2,486.75	2,608.9		4,329.2	4,323.2	4,890	4,867	5,867				
Water heat exchanger	Type			Plate heat exchanger								Shell and tube						
	Water volume			l	26	37		50		159	153	256	233	248				
	Water flow rate	Cooling	Nom.	l/s	8.2	9.5	11.5	14	15.6	18.8	20.1	23.4	25.2	28.6				
	Water pressure drop	Cooling	Nom.	kPa	15.1	12.3	17.1	18.2	22	24.4	31.6	33.8	31.1	27.8				
Air heat exchanger	Type			Microchannel														
Compressor	Type			Driven vapour compression														
	Quantity			1								2						
Fan	Type			Direct propeller														
	Quantity			4				6				10		12				
	Air flow rate Nom.			l/s	17,448		26,172				43,620		52,344					
	Speed			rpm	760													
Sound power level (SSB)	Cooling	Nom.		dBA	97.07	97.53	100.19	101.14		100.59	101.02	103.19	105.6	104.14				
Sound power level (SLB)					91.73	92.13	94.69	96.44		95.32	97.69		99.9	99.44				
Sound pressure level (SSB)	Cooling	Nom.		dBA	78.10	78.60	80.7	81.70		80.2	80.60	82.40	84.8	83.40				
Sound pressure level (SLB)					72.78	73.17	75.2	76.96		74.94	75.31	76.92	79.12	78.67				
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~50													
	Water side	Cooling	Min.~Max.	°CDB	-8~18													
Refrigerant	Type/GWP			R-1234(ze)/7														
	Charge			kg	27.6		41.4			64.2		78		102				
	Circuits	Quantity			1								2					
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm		114.3mm			139.7mm			168.3mm					
Unit	Running current	Cooling	Nom.	A	93.0	114.0	137.0	158.0	191.0	217.0	243.0	279.0	307.0	343.0				
		Max		A	132.0	156.0	217.0	236.0	272.0	312.0	348.0	434.0	500.0	522.0				
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400													

Air cooled screw inverter chiller, standard efficiency, reduced sound

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EWAH-TZSSB/SLB/SRB

Microtech III

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



EWAH-TZSRB

Cooling Only				EWAH-TZSRB	170	200	240	290	330	390	420	490	530	600	
Space cooling	A Condition 35°C Pdc			kW	170.68	199.73	240.35	293.87	326.19	393.39	421.08	489.94	527.57	597.68	
	ηs,c			%	166.8	169.44	179.68	186.68	180.56	180.04	181.36	187.4	185.56	189.6	
SEER					4.245	4.311	4.567	4.742	4.589	4.576	4.609	4.76	4.714	4.815	
Cooling capacity	Nom.			kW	171	200	240	294	326	393	421	490	528	598	
Power input	Cooling	Nom.		kW	55.4	69.4	83.3	97.5	115	132	146	171	189	214	
Capacity control	Method				Variable										
	Minimum capacity			%	33.4	28.6	23.6	18.7		14.3		13.4	11.8	11.2	10
EER					3.08	2.88	2.89	3.02	2.82	2.98	2.87	2.86	2.78	2.79	
IPLV					5.19	5.22	5.5	5.73	5.52	5.13	5.22	5.38	5.29	5.38	
Dimensions	Unit	Height			mm	2,540									
		Width			mm	2,282									
		Length			mm	2,330		3,230		5,030		5,887		6,009	
Weight	Unit			kg	2,260.6	2,270.6	2,549.4	2,719.4		4,370.2		4,834		5,939	
	Operation weight			kg	2,286.7	2,307.95	2,586.75	2,768.9		4,529.2	4,523.2	5,090	5,067	6,187	
Water heat exchanger	Type				Plate heat exchanger					Shell and tube					
	Water volume			l	26	37			50		159	153	256	233	248
	Water flow rate	Cooling	Nom.	l/s	8.2	9.5	11.5	14	15.6	18.8	20.1	23.4	25.2	28.6	
	Water pressure drop	Cooling	Nom.	kPa	15.1	12.3	17.1	18.2	22	24.4	31.6	33.7	31	27.7	
Air heat exchanger	Type				Microchannel										
Compressor	Type				Driven vapour compression										
	Quantity				1					2					
Fan	Type				Direct propeller										
	Quantity				4		6			10		12			
	Air flow rate Nom.			l/s	17,448		26,172			42,600		51,324			
	Speed			rpm	760										
Sound power level	Cooling	Nom.		dBA	87.67	87.93	90.25	92.27		91.42	91.65	93.25	94.9	95.27	
Sound pressure level	Cooling	Nom.		dBA	68.70	69.00	70.80	72.80		71.00	71.30	72.50	74.10	74.5	
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~50										
	Water side	Cooling	Min.~Max.	°CDB	-8~18										
Refrigerant	Type/GWP				R-1234(ze)/7										
	Charge			kg	27.6		41.4		64.2		78		102		
	Circuits	Quantity			1					2					
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm		114.3mm			139.7mm		168.3mm			
Unit	Running current	Cooling	Nom.	A	93.0	114.0	137.0	158.0	191.0	218.0	244.0	281.0	309.0	345.0	
	Max			A	132.0	156.0	217.0	236.0	272.0	312.0	348.0	434.0	500.0	522.0	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

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EWAH-TZXSB



EWAH-TZXLB

Cooling Only				EWAH-TZXSb/XLB	180	220	270	300	350	390	430	480	580	620
Space cooling	A Condition 35°C Pdc			kW	180.38	224.67	270.66	300.22	355	392	427.64	481.86	574.38	619.88
	ηs,c			%	188.68	195.84	194.04	203.08	196.16	196.4	203.28	206.2	214.96	217.88
SEER					4.792	4.971	4.926	5.152	4.979	4.985	5.157	5.23	5.449	5.522
Cooling capacity	Nom.			kW	180	225	271	300	355	392	428	482	574	620
Power input	Cooling	Nom.		kW	51.8	66.3	79	89.6	103	114	125	144	164	181
Capacity control	Method				Variable									
	Minimum capacity			%	33.4	26.7	21.6	18.7	16.7	15.4	14.3	12.5	10.8	10
EER					3.49	3.39	3.43	3.35	3.44	3.42		3.33	3.5	3.41
IPLV					6.05	6.09	5.92	6.2	5.8	5.81	5.9	6	6.01	6.2
Dimensions	Unit	Height		mm	2,540									
		Width		mm	2,282									
		Length		mm	3,230	4,130	3,230	4,130	5,887		6,786	7,684	6,877	7,778
Weight	Unit			kg	2,447	2,813	2,557	2,923	4,445.2	4,629.2	5,004.6	5,748.6	5,720	6,364.8
	Operation weight			kg	2,484.35	2,862.5	2,606.5	2,972.5	4,598.2	4,870.2	5,237.6	5,981.6	6,021	6,656.8
Water heat exchanger	Type				Plate heat exchanger				Shell and tube					
	Water volume			l	37	50			153	241	233		301	292
	Water flow rate	Cooling	Nom.	l/s	8.6	10.7	12.9	14.3	17	18.7	20.4	23	27.4	29.6
	Water pressure drop	Cooling	Nom.	kPa	10.2	11.2	15.7	18.9	23.2	16.7	34.2	26.3	24.7	31.1
Air heat exchanger	Type				Microchannel									
Compressor	Type				Driven vapour compressor									
	Quantity				1				2					
Fan	Type				Direct propeller									
	Quantity				6	8	6	8	12		14	16	14	16
	Air flow rate Nom.			l/s	26,172	34,896	26,172	34,896	52,344		61,068	69,792	61,068	69,792
	Speed			rpm	760									
Sound power level (XSB)	Cooling	Nom.		dBA	97.19	98.16	101.14	96.57	100.19	100.4	100.7	101.94	99.44	104.19
Sound power level (XLB)					92.14	93.15	96.44	96.57	95.14	95.3	95.68	96.78	99.44	99.57
Sound pressure level (XSB)	Cooling	Nom.		dBA	77.7	78.20	81.70	76.60	79.40	79.60		80.40	78.70	82.70
Sound pressure level (XLB)					72.65	73.19	76.96	76.62	74.36	74.53	74.55	75.29	78.67	78.12
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55									
	Water side	Cooling	Min.~Max.	°CDB	-8~18									
Refrigerant	Type/GWP				R-1234(ze)/7									
	Charge			kg	39	52	39	52	73.2		84.6	97.6	102	116.8
	Circuits	Quantity			1				2					
Piping connections	Evaporator water inlet/outlet (OD)				88.9mm	114.3mm			139.7mm	168.3mm				
Unit	Running	Cooling	Nom.	A	88.5	113.05	131.55	147.5	176.4	193.47	208.66	243.65	272.5	298.67
	current	Max		A	134	173	190	233	266	286	311	372	403	465
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400									

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EWAH-TZXR

Cooling Only				EWAH-TZXR8	180	220	270	300	350	390	430	480	580	620	
Space cooling	A Condition 35°C Pdc			kW	180.38	224.67	270.66	300.22	354.75	391.7	427.42	481.53	573.98	619.32	
	ηs,c			%	188.68	195.84	194.04	203.08	195.44	195.76	202.72	205.68	213.64	217.16	
SEER					4.792	4.971	4.926	5.152	4.961	4.969	5.143	5.217	5.416	5.504	
Cooling capacity	Nom.			kW	180	225	271	300	355	392	427	482	574	619	
Power input	Cooling	Nom.		kW	51.8	66.3	79	89.6	103	115	125	145	164	182	
Capacity control	Method				Variable										
	Minimum capacity			%	33.4	26.7	21.6	18.7	16.7	15.4	14.3	12.5	10.8	10	
EER					3.49	3.39	3.43	3.35	3.42	3.41		3.32	3.48	3.39	
IPLV					6.05	6.09	5.92	6.2	5.78	5.77	5.88	5.97	5.98	6.17	
Dimensions	Unit	Height	mm	2,540											
		Width	mm	2,282											
		Length	mm	3,230	4,130	3,230	4,130	5,887		6,786	7,684	6,877	7,778		
Weight	Unit			kg	2,547	2,913	2,717	3,083	4,645.2	4,829.2	5,204.6	5,948.6	6,040	6,684.8	
	Operation weight			kg	2,584.35	2,962.5	2,766.5	3,132.5	4,798.2	5,070.2	5,437.6	6,181.6	6,341	6,976.8	
Water heat exchanger	Type			Plate heat exchanger								Shell and tube			
	Water volume			l	37	50			153	241	233		301	292	
	Water flow rate	Cooling	Nom.	l/s	8.6	10.7	12.9	14.3	16.9	18.7	20.4	23	27.4	29.6	
	Water pressure drop	Cooling	Nom.	kPa	10.2	11.2	15.7	18.9	23.2	16.6	34.1	26.3	24.7	31.1	
Air heat exchanger	Type			Microchannel											
Compressor	Type			Driven vapour compressor											
	Quantity			1				2							
Fan	Type			Direct propeller											
	Quantity			6	8	6	8	12		14	16	14	16		
	Air flow rate	Nom.		l/s	26,172	34,896	26,172	34,896	51,324		59,709	68,433	59,709	68,433	
	Speed			rpm	760										
Sound power level	Cooling	Nom.		dBa	88.63	89.73	92.27	92.6	91.63	91.73	92.25	93.09	95.27	95.6	
Sound pressure level	Cooling	Nom.		dBa	69.20	69.80	72.80	72.60	70.90	71.00	71.10	71.6	74.5	74.20	
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~-55										
	Water side	Cooling	Min.~Max.	°CDB	-8~-18										
Refrigerant	Type/GWP			R-1234(ze)/7											
	Charge			kg	39	52	39	52	73.2		84.6	97.6	102	116.8	
	Circuits	Quantity			1				2						
Piping connections	Evaporator water inlet/outlet (OD)			88.9mm	114.3mm			139.7mm	168.3mm						
Unit	Running current	Cooling	Nom.	A	88.5	113.05	131.55	147.5	176.9	194.09	209.13	244.41	273.41	299.81	
		Max		A	134	173	190	233	266	286	311	372	403	465	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

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EWAH-TZPSB/PLB/PRB

Microtech III

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



EWAH-TZPSB



EWAH-TZPLB

Cooling Only				EWAH-TZPSB/PLB	370	440	530	610
Space cooling	A Condition 35°C Pdc			kW	371.15	435.24	532.06	606.43
	ηs,c			%	206.56	213.68	220.48	224.96
SEER					5.239	5.417	5.587	5.699
Cooling capacity	Nom.			kW	371	435	532	606
Power input	Cooling	Nom.		kW	102	121	137	163
Capacity control	Method				Variable			
	Minimum capacity			%	16.7	14.3	11.7	10
EER					3.62	3.58	3.86	3.7
IPLV					6.15	6.35	6.36	6.35
Dimensions	Unit	Height		mm	2,540			
		Width		mm	2,282			
		Length		mm	7,684	9,480	7,778	8,687
Weight	Unit			kg	5,741.4	6,722	6,364.8	7,140.2
	Operation weight			kg	5,982.4	7,023	6,656.8	7,636.2
Water heat exchanger	Type				Shell and tube			
	Water volume			l	241	301	292	496
	Water flow rate	Cooling	Nom.	l/s	17.7	20.8	25.4	29
	Water pressure drop	Cooling	Nom.	kPa	24.4	15	15.3	18
Air heat exchanger	Type				Microchannel			
Compressor	Type				Driven vapour compression			
	Quantity				2			
Fan	Type				Direct propeller			
	Quantity				16	20	16	18
	Air flow rate	Nom.		l/s	251,251.0	314,064	251,251.0	282,658.0
	Speed			rpm	760			
Sound power level (PSB)	Cooling	Nom.		dBA	100.3	100.8	103.24	104.21
Sound power level (PLB)	Cooling	Nom.		dBA	95.48	96	98.71	99.63
Sound pressure level (PSB)	Cooling	Nom.		dBA	78.80		81.80	82.40
Sound pressure level (PLB)	Cooling	Nom.		dBA	74.03	73.96	77.25	77.86
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~-55			
	Water side	Cooling	Min.~Max.	°CDB	-8~-18			
Refrigerant	Type/GWP				R-1234(ze)/7			
	Circuits	Quantity			2			
Refrigerant circuit	Charge			kg	90.4	113	116.8	131.2
Refrigerant charge	Per circuit			kg	316.4	395.5	408.8	459.2
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm			219.1mm
Unit	Running	Cooling	Nom.	A	175.85	205.4	233.82	272.98
	current	Max		A	272	319	350	424
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400			

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EWAH-TZPRB

Cooling Only				EWAH-TZPRB	370	440	530	610	
Space cooling	A Condition 35°C Pdc			kW	370.96	435.06	531.76	606.09	
	ηs,c			%	206.04	213.28	219.28	223.8	
SEER					5.226	5.407	5.557	5.67	
Cooling capacity	Nom.			kW	371	435	532	606	
Power input	Cooling	Nom.		kW	102	122	138	164	
Capacity control	Method				Variable				
	Minimum capacity			%	16.7	14.3	11.7	10	
EER					3.61	3.57	3.84	3.69	
IPLV					6.12		6.32		
Dimensions	Unit	Height		mm	2,540				
		Width		mm	2,282				
		Length		mm	7,684	9,480	7,778	8,687	
Weight	Unit			kg	5,941.4	6,922	6,684.8	7,460.2	
	Operation weight			kg	6,182.4	7,223	6,976.8	7,956.2	
Water heat exchanger	Type				Shell and tube				
	Water volume			l	241	301	292	496	
	Water flow rate	Cooling	Nom.	l/s	17.7	20.8	25.4	28.9	
	Water pressure drop	Cooling	Nom.	kPa	24.4	14.9	15.3	18	
Air heat exchanger	Type				Microchannel				
Compressor	Type				Driven vapour compression				
	Quantity				2				
Fan	Type				Direct propeller				
	Quantity				16	20	16	18	
	Air flow rate Nom.			l/s	246,359.0	307,948.0	246,359.0	276,541.0	
	Speed			rpm	760				
Sound power level	Cooling	Nom.		dBA	92.37	92.94	94.94	95.73	
Sound pressure level	Cooling	Nom.		dBA	70.90		73.50	74.00	
Operation range	Air side	Cooling	Min.~Max.	°CDB	-18~55				
	Water side	Cooling	Min.~Max.	°CDB	-8~18				
Refrigerant	Type/GWP				R-1234(ze)/7				
	Circuits	Quantity			2				
Refrigerant circuit	Charge			kg	90.4	113	116.8	131.2	
Refrigerant charge	Per circuit			kg	316.4	395.5	408.8	459.2	
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm				219.1mm
Unit	Running	Cooling	Nom.	A	176.22	205.83	234.54	273.8	
	current	Max		A	272	319	350	424	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400				

Air cooled screw inverter chiller, standard efficiency, standard/low sound

- › Optimized energy efficiency both at full and part load conditions
- › New single screw compressor geometry allowing performance optimization
- › Refrigerant cooled inverter mounted on compressor all across the range
- › New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
- › Includes new generation Daikin MicroTech 4 controller with higher memory capacity and faster microprocessor
- › Microchannel coils



EWAD-TZSSC2/SLC2

Microtech 4

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



EWAD-TZSSC2



EWAD-TZSLC2

Cooling Only				EWAD-TZSSC2/SLC2		H11	H12	H13	C15	C16	H17	H18	H19
Space cooling	A Condition 35°C Pdc			kW	%	1,189	1,259	1,355	1,508	1,644	1,766	1,875	1,965
						184.5	182.4	182.9	190.1	191.8	191.4	190.1	184.2
SEER						4.69	4.64	4.65	4.83	4.87	4.86	4.83	4.68
Cooling capacity	Nom.			kW		1,189	1,259	1,355	1,508	1,644	1,766	1,875	1,965
Power input	Cooling	Nom.		kW		380.9	413.4	438.6	485	532.8	581.8	636.4	709.3
Capacity control	Method					Variable							
	Minimum capacity				%	12.5							
EER						3.12	3.05	3.09	3.11	3.09	3.04	2.95	2.77
IPLV						4.85	4.8	4.78	5.14	5.11	5.07	5.04	4.99
Dimensions	Unit	Height		mm		2,540							
		Width		mm		2,282							
		Length		mm		10,510		11,404		12,302	13,202		14,102
Weight	Unit			kg		9,322		10,112	10,716	11,134	11,564		12,037
	Operation weight			kg		9,879		11,123	11,727	12,145	12,575		13,048
Water heat exchanger	Type					Shell and tube							
	Water volume			l		557				1,011			
	Water	Cooling	Nom.	kPa		57.1	63.3	40.5	49.1	57.4	65.2	72.7	79
Air heat exchanger		Type				Microchannel							
Compressor	Type					Inverter driven single screw compressor							
	Quantity					2							
Fan	Type					Direct propeller							
	Quantity					22		24		26	28		30
	Air flow rate	Nom.		l/s		112,259		122,464		132,670	142,876		153,081
	Speed			rpm		900							
Sound power level (SSC2)	Cooling	Nom.		dBA		100		101		102		103	
Sound power level (SLC2)	Cooling	Nom.		dBA		102	103	104		105		106	107
Sound pressure level (SSC2)	Cooling	Nom.		dBA		77		78		79		80	
Sound pressure level (SLC2)	Cooling	Nom.		dBA		80	81	82	81	82		83	84
Refrigerant	Type/GWP					R-134a/1,430							
	Charge			kg		175		200		220	250		270
	Circuits		Quantity			2							
Piping connections		Evaporator water inlet/outlet (OD)				219.1mm		273mm					
Unit	Running	Cooling	Nom.	A		646.5	691.1	733.0	813.9	884.0	962.8	1,044	1,149
	current	Max		A		913	969	1,027	1,165	1,205	1,301	1,398	1,487
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50 /400							

performances according to CSS software 10.27

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EWAD-TZSRC2

Microtech 4

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



EWAD-TZSRC2

Cooling Only				EWAD-TZSRC2	H11	H12	H13	C15	C16	H17	H18	H19
Space cooling	A Condition 35°C	Pdc		kW	1,164	1,229	1,323	1,463	1,595	1,712	1,812	1,876
				%	206.8	201.6	203.1	204.1	205.3	205.0		201.4
SEER					5.24	5.12	5.15	5.18	5.21	5.20		5.11
Cooling capacity	Nom.			kW	1,164	1,229	1,323	1,463	1,595	1,712	1,812	1,876
Power input	Cooling	Nom.		kW	384.6	423.1	446	513.9	564.5	611.2	663.5	741.2
Capacity control	Method				Variable							
					12.5							
EER					3.03	2.91	2.97	2.85	2.83	2.80	2.73	2.53
IPLV					5.43	5.29	5.34	5.53		5.5	5.51	5.36
Dimensions	Unit	Height		mm	2,540							
					2,282							
Weight	Unit			kg	10,510							
					11,404							
Water heat exchanger	Type				12,302							
					13,202							
Water volume	Cooling	Nom.		I	14,102							
Water pressure drop				kPa	9,322							
					10,112							
Air heat exchanger	Type				11,232							
					11,727							
Compressor	Type				12,145							
					12,575							
Fan	Type				12,575							
					13,048							
Sound power level	Cooling	Nom.		dBA	11,232							
					11,727							
Sound pressure level	Cooling	Nom.		dBA	12,145							
					12,575							
Refrigerant	Type/GWP				12,575							
					13,048							
Charge				kg	12,575							
					13,048							
Circuits					12,575							
					13,048							
Piping connections	Evaporator water inlet/outlet (OD)				12,575							
					13,048							
Unit	Running current	Max		A	12,575							
					13,048							
Power supply	Phase/Frequency/Voltage			Hz/V	12,575							
					13,048							

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EWAD-TZXSC2

Microtech 4

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EWAD-TZXSC2

Cooling Only				EWAD-TZXSC2	C11	C12	H12	C14	C15	H16	H17	
Space cooling	A Condition 35°C Pdc			kW	1,124.00	1,280	1,206	1,399	1,539	1,667	1,780	
	ηs,c			%	211.5	210.8	211.1	211.9	212.6	214.2	212.6	
SEER					5.36	5.35		5.37	5.39	5.43	5.39	
Cooling capacity	Nom.			kW	1,124	1,280	1,206	1,399	1,539	1,667	1,780	
Power input	Cooling	Nom.		kW	354	401.6	375.9	431.7	478.8	524.7	575.4	
Capacity control	Method				Variable							
	Minimum capacity			%	12.5							
EER					3.17	3.19	3.21	3.24	3.22	3.18	3.09	
IPLV					5.54		5.58	5.79	5.7	5.66	5.65	
Dimensions	Unit	Height		mm	2,540							
		Width		mm	2,282							
		Length		mm	10,510	12,302	11,402		12,302	13,202	14,104	
Weight	Unit			kg	9,322	10,515	10,112	10,716	11,134	11,564	12,037	
	Operation weight			kg	9,879	11,526	11,123	11,727	12,145	12,575	13,048	
Water heat exchanger	Type				Shell and tube							
	Water volume			l	557	1,011						
	Water pressure drop	Cooling	Nom.	kPa	51.6	36.6	32.8	42.9	50.9	58.8	66.1	
Air heat exchanger	Type				Microchannel							
Compressor	Type				Inverter driven single screw compressor							
	Quantity				2							
Fan	Type				Direct propeller							
	Quantity				22	26	24		26	28	30	
	Air flow rate Nom.			l/s	83,897	99,151	91,524	122,464	132,670	142,876	153,081	
Sound power level	Cooling	Nom.		rpm	700			900				
					95	97	96	101		102		
Sound pressure level	Cooling	Nom.		dBA	73	74	73	78		79		
Refrigerant	Type/GWP				R-134a/1,430							
	Charge			kg	175	220	200		220	250	270	
	Circuits	Quantity			2							
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm			273mm				
Unit	Starting current	Max		A	0.0							
		Running current	Cooling	Nom.	A	608.8	686.1	647.1	735.8	806.6	874.7	957.5
		Max		A	918	994	939	1,085	1,124	1,218	1,313	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400							

performances according to CSS software 10.27

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EWAD-TZXRC2

Cooling Only				EWAD-TZXRC2	C11	C12	H12	C14	C15	H16	H17
Space cooling	A Condition 35°C Pdc			kW	1,122	1,204	1,279	1,362	1,499	1,625	1,735
	ηs,c			%	208.8	210.2	209.8	207.8	209.4	209.3	209.7
SEER					5.30	5.33	5.32	5.27	5.31		5.32
Cooling capacity	Nom.			kW	1,122	1,204	1,279	1,362	1,499	1,625	1,735
Power input	Cooling	Nom.		kW	356.3	377.3	403	450.1	501.4	547.6	598.6
Capacity control	Method				Variable						
	Minimum capacity			%	12.5						
EER					3.15	3.19	3.17	3.03	2.99	2.97	2.90
IPLV					5.51	5.55	5.49	5.64	5.65	5.64	5.6
Dimensions	Unit	Height		mm	2,540						
		Width		mm	2,282						
		Length		mm	10,510	11,402	12,302	11,402	12,302	13,202	14,104
Weight	Unit		kg	9,322	10,112	10,515	10,716	11,134	11,564	12,037	
	Operation weight			kg	9,879	11,123	11,526	11,727	12,145	12,575	13,048
Water heat exchanger	Type				Shell and tube						
	Water volume			l	557	1,011					
	Water pressure drop	Cooling	Nom.	kPa	51.4	32.7	36.5	40.8	48.5	56.1	63.2
Air heat exchanger	Type				Microchannel						
Compressor	Type				Inverter driven single screw compressor						
	Quantity				2						
Fan	Type				Direct propeller						
	Quantity				22	24	26	24	26	28	30
	Air flow rate	Nom.		l/s	81,518	89,145	96,375	89,145	96,375	104,002	111,232
Speed				rpm	700						
Sound power level	Cooling	Nom.		dBA	92	93	94	93	94	95	
Sound pressure level	Cooling	Nom.		dBA	70		71				72
Refrigerant	Type/GWP				R-134a/1,430						
	Charge			kg	175	200	220	200	220	250	270
	Circuits	Quantity			2						
Piping connections	Evaporator water inlet/outlet (OD)				219.1mm	273mm	219.1mm	273mm			
Unit	Starting current	Max		A	0.0						
		Running current	Cooling	Nom.	A	612.3	651.0	689.6	762.5	834.0	901.3
	Running current	Max		A	918	939	994	1,085	1,124	1,218	1,313
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400						

performances according to CSS software 10.27

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EWAH-TZSSC2



EWAH-TZSLC2

Cooling Only				EWAH-TZSSC2/SLC2		710	770	880	940	990	H10	C11	C12	C13	C14	C15	C16
Space cooling	A Condition 35°C Pdc			kW	712.28	765.6	879.39	942.78	990.5	1,055.51	1,117.22	1,230.93	1,301.55	1,431.96	1,518.61	1,603.34	
	ηs,c			%	181.52	183.08	182.16	181.72	182.84	181.4	182.24	179.28	193.88	192.32	190.76	188.92	
SEER					4.613	4.652	4.629	4.618	4.646	4.61	4.631	4.557	4.922	4.883	4.844	4.798	
Cooling capacity	Nom.			kW	712.3	765.6	879.4	942.8	990.5	1,056	1,117	1,231	1,302	1,432	1,519	1,603	
Power input	Cooling	Nom.		kW	230.7	246.6	284.9	303.9	318.9	339.4	357.4	396	418.4	465.3	510.4	567.4	
Capacity control	Method				Inverter controlled												
	Minimum capacity			%	12.5												
EER					3.088	3.104	3.087	3.102	3.107	3.11	3.126	3.109	3.111	3.077	2.975	2.826	
IPLV					4.79	4.85	4.8	4.74	4.78	4.71	4.73	4.63	5.17	5.08	5.07	4.98	
Dimensions	Unit	Height		mm	2,540												
		Width		mm	2,280												
		Length		mm	6,909	7,809	8,709	9,602	10,510	11,402	12,302	11,402	12,302	13,202	14,102		
Weight	Unit			kg	7,033	7,660	8,093	8,900	9,288	10,073	10,475	10,716	11,134	11,564	12,037		
	Operation weight			kg	7,313	8,152	8,585	9,483	9,871	11,116	11,518	11,727	12,145	12,575	13,048		
Water heat exchanger	Type				Shell and tube												
	Water volume			l	280	492	583	1,043	1,011								
	Water flow rate	Cooling	Nom.	l/s	33.97	36.51	41.94	44.96	47.24	50.34	53.27	58.70	62.06	68.28	72.41	76.45	
	Water pressure drop	Cooling	Nom.	kPa	44.6	50.8	59.7	67.7	59.9	67.2	44.3	52.7	38.7	45.9	51	56.3	
Air heat exchanger	Type				Microchannel												
Compressor	Type				Inverter driven single screw compressor												
	Quantity				2												
Fan	Type				Direct propeller, on/off fans												
	Quantity				14	16	18	20	22	24	26	24	26	28	30		
	Air flow rate	Nom.		l/s	71,438	81,644	91,849	102,054	112,259	122,464	132,670	122,464	132,670	142,876	153,081		
	Speed			rpm	900												
Sound power level (SSC2)	Cooling	Nom.		dBA	98	99	100	101	102	103	102	103	102	103	104		
Sound power level (SLC2)	Cooling	Nom.		dBA	101	102	103	104	105	106	107	105	106	107	108		
Sound pressure level (SSC2)	Cooling	Nom.		dBA	77		78	79	80	81	82	83	84	83	84	85	
Sound pressure level (SLC2)	Cooling	Nom.		dBA	80		81	82	83	84	85	86	87	88	89	90	
Refrigerant	Type/GWP				R-1234(ze)/7												
	Charge			kg	120	130	141	150	175	200	220	200	220	250	270		
	Circuits	Quantity			2												
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm	219.1mm				273mm							
Unit	Starting current			A	0												
	Running current	Cooling	Nom.	A	408.6	433.3	493.5	521.5	549.9	579.6	612.7	668.8	718.8	780.9	848.9	934.8	
	Max		A	609.0	640.0	717.0	763.0	811.0	869.0	924.0	1,032.0	1,029.0	1,119.0	1,198.0	1,226.0		
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400												

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EWAH-TZSRC2

Cooling Only				EWAH-TZSRC2		710	770	880	940	990	H10	C11	C12	C13	C14	C15	C16	
Space cooling	A Condition 35°C Pdc			kW	696.3	749.16	859.56	922.06	970.53	1,034.22	1,095.25	1,204.39	1,273.47	1,399.7	1,484.25	1,551.82		
	ηs,c			%	204.76	202.64	202.68	204.16	209.88	207.24	210.36	207.08	216.56	213.72	213.96	213.16		
SEER					5.194	5.141	5.142	5.179	5.322	5.256	5.334	5.252	5.489	5.418	5.424	5.404		
Cooling capacity	Nom.			kW	696.3	749.2	859.6	922.1	970.5	1,034	1,095	1,204	1,273	1,400	1,484	1,552		
Power input	Cooling	Nom.		kW	232.1	253	290.9	309.1	318.8	340.5	354	396.4	424.2	479.7	524.7	581		
Capacity control	Method			Inverter controlled														
	Minimum capacity			%	12.5													
EER					3.001	2.962	2.955	2.983	3.044	3.038	3.094	3.038	3.002	2.918	2.829	2.671		
IPLV					5.43	5.4	5.36	5.37	5.52	5.46	5.49	5.35	5.79	5.73	5.71			
Dimensions	Unit	Height		mm	2,540													
		Width		mm	2,280													
		Length		mm	6,909	7,809	8,709	9,602	10,510	11,402	12,302	11,402	12,302	13,202	14,102			
Weight	Unit			kg	7,033	7,660	8,093	8,900	9,288	10,073	10,475	10,716	11,134	11,564	12,037			
	Operation weight			kg	7,313	8,152	8,585	9,483	9,871	11,116	11,518	11,727	12,145	12,575	13,048			
Water heat exchanger	Type			Shell and tube														
	Water volume			l	280	492	583	1,043	1,011									
	Water flow rate	Cooling	Nom.	l/s	33.21	35.73	41.00	43.98	46.29	49.32	52.23	57.43	60.72	66.74	70.77	73.99		
	Water pressure drop	Cooling	Nom.	kPa	42.8	48.9	57.3	64	57.8	64.8	42.7	50.7	37.2	44.1	48	53.1		
Air heat exchanger	Type			Microchannel														
Compressor	Type			Inverter driven single screw compressor														
	Quantity			2														
Fan	Type			Direct propeller, on/off fans														
	Quantity				14	16	18	20	22	24	26	24	26	28	30			
	Air flow rate	Nom.		l/s	51,803	59,430	66,660	74,287	81,518	89,145	96,375	89,145	96,375	104,002	111,232			
	Speed			rpm	700													
Sound power level	Cooling	Nom.		dBA	91	92	93	94	95	96	95	96	97					
Sound pressure level	Cooling	Nom.		dBA	70	71	72	73	72	73	74							
Refrigerant	Type/GWP			R-1234(ze)/7														
	Charge			kg	120	130	141	150	175	200	220	200	220	250	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	414.9	446.8	505.2	529.7	554.4	581.0	611.1	667.2	736.4	796.5	863.9	952.0	
	Max			A	609.0	640.0	717.0	763.0	811.0	869.0	924.0	1,032.0	1,029.0	1,119.0	1,198.0	1,226.0		
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400													

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EWAH-TZXSC2



EWAH-TXLC2

Cooling Only				EWAH-TZXSC2/XLC2		670	780	840	950	C10	C11	C12	C13	C14	C15
Space cooling	A Condition 35°C Pdc			kW	669.32	783.42	840.22	947.7	1,014.01	1,119.73	1,236.7	1,347.06	1,442.56	1,526.76	
	ηs,c			%	209.96	211.56	212.8	215.88	216.72	213.16	219.2	218.36	217.48	216.32	
SEER					5.324	5.364	5.395	5.472	5.493	5.404	5.555	5.534	5.512	5.483	
Cooling capacity	Nom.			kW	669.3	783.4	840.2	947.7	1,014	1,120	1,237	1,347	1,443	1,527	
Power input	Cooling	Nom.		kW	206	242	260.2	292.4	310.6	351.7	380.1	420.4	460.7	507.5	
Capacity control	Method				Inverter controlled										
	Minimum capacity			%	12.5										
EER					3.249	3.237	3.229	3.241	3.264	3.184	3.253	3.204	3.131	3.009	
IPLV					5.59		5.6	5.64	5.66	5.53	5.86	5.8	5.76	5.7	
Dimensions	Unit	Height		mm	2,540										
		Width		mm	2,280										
		Length		mm	6,909	7,809	8,709	10,510	11,402	12,302	11,402	12,302	13,202	14,102	
Weight	Unit			kg	7,033	7,660	8,093	9,288	10,073	10,475	10,716	11,134	11,564	12,037	
	Operation weight			kg	7,313	8,152	8,585	9,871	11,116	11,518	11,727	12,145	12,575	13,048	
Water heat exchanger	Type				Shell and tube										
	Water volume			l	280	492		583	1,043		1,011				
	Water flow rate	Cooling	Nom.	l/s	31.92	37.36	40.07	45.20	48.35	53.39	58.97	64.23	68.78	72.80	
	Water pressure drop	Cooling	Nom.	kPa	39.9	48.5	54	55.3	37.2	44.5	35.3	41.1	46.5	51.5	
Air heat exchanger	Type				Microchannel										
Compressor	Type				Inverter driven single screw compressor										
	Quantity				2										
Fan	Type				Direct propeller, on/off fans										
	Quantity				14	16	18	22	24	26	24	26	28	30	
	Air flow rate Nom.			l/s	53,389	61,016	68,643	83,897	91,524	99,151	122,464	132,670	142,876	153,081	
	Speed			rpm	700					900					
Sound power level (XSC2)	Cooling	Nom.		dBA	98	99	100	101	103	105	104	105	106	107	
Sound power level (XLC2)	Cooling	Nom.		dBA	93	95		96	98	99	101	102		103	
Sound pressure level (XSC2)	Cooling	Nom.		dBA	76	78		79	80	82		83		84	
Sound pressure level (XLC2)	Cooling	Nom.		dBA	72	73		74	75	76	79			80	
Refrigerant	Type/GWP				R-1234(ze)/7										
	Charge			kg	120	130	141	175	200	220	200	220	250	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	373.9	431.3	459.1	513.1	544.2	604.8	660.3	717.4	778.2	848.9	
	Running current	Max		A	588.0	625.0	693.0	754.0	836.0	936.0	967.0	1,042.0	1,132.0	1,157.0	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

performances according to CSS software 10.27

Air cooled screw inverter chiller, high efficiency, reduced sound

- › High energy efficiency both at full and part load conditions
- › New single screw compressor geometry allowing performance optimization
- › HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- › Refrigerant cooled inverter mounted on compressor all across the range
- › New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
- › Includes new generation Daikin MicroTech 4 controller with higher memory capacity and faster microprocessor
- › Microchannel coils



EWAH-TZXRC2

Microtech 4

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



EWAH-TZXRC2

Cooling Only				EWAH-TZXRC2		670	780	840	950	C10	C11	C12	C13	C14	C15
Space cooling	A Condition 35°C Pdc			kW	669.17	783.17	840	947.47	1,013.69	1,119.41	1,212.9	1,321.24	1,415.52	1,497.21	
	ηs,c			%	208.32	211.4	212.68	215.84	216.12	212.64	219.4	220.16	218.84	217.44	
SEER					5.283	5.36	5.392	5.471	5.478	5.391	5.56	5.579	5.546	5.511	
Cooling capacity	Nom.			kW	669.2	783.2	840	947.5	1,014	1,119	1,213	1,321	1,416	1,497	
Power input	Cooling	Nom.		kW	206.2	243.3	261.9	292.6	310.8	351.9	382.2	426	467.4	514.6	
Capacity control	Method				Inverter controlled										
	Minimum capacity			%	12.5										
EER					3.246	3.219	3.207	3.238	3.261	3.181	3.174	3.101	3.029	2.91	
IPLV					5.58		5.59	5.63	5.65	5.52	5.94	5.86	5.81	5.79	
Dimensions	Unit	Height	mm	2,540											
		Width	mm	2,280											
		Length	mm	6,909	7,809	8,709	10,510	11,402	12,302	11,402	12,302	13,202	14,102		
Weight	Unit			kg	7,033	7,660	8,093	9,288	10,073	10,475	10,716	11,134	11,564	12,037	
	Operation weight			kg	7,313	8,152	8,585	9,871	11,116	11,518	11,727	12,145	12,575	13,048	
Water heat exchanger	Type				Shell and tube										
	Water volume			l	280	492		583	1,043		1,011				
	Water flow rate	Cooling	Nom.	l/s	31.91	37.35	40.06	45.19	48.34	53.38	57.83	63.00	67.49	71.39	
	Water pressure drop	Cooling	Nom.	kPa	39.9	48.4	54	55.3	37.2	44.4	34.1	39.7	44	49.7	
Air heat exchanger	Type				Microchannel										
Compressor	Type				Inverter driven single screw compressor										
	Quantity				2										
Fan	Type				Direct propeller, on/off fans										
	Quantity				14	16	18	22	24	26	24	26	28	30	
	Air flow rate	Nom.		l/s	51,803	59,430	66,660	81,518	89,145	96,375	89,145	96,375	104,002	111,232	
	Speed			rpm	700										
Sound power level	Cooling	Nom.		dBA	90	91	92	93	94	95	94	95	96		
Sound pressure level	Cooling	Nom.		dBA	69	70		71		72			73		
Refrigerant	Type/GWP				R-1234(ze)/7										
	Charge			kg	120	130	141	175	200	220	200	220	250	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	374.9	432.6	460.2	514.2	545.4	606.0	670.1	725.0	783.7	853.8
		Max		A	588.0	625.0	693.0	754.0	836.0	936.0	967.0	1,042.0	1,132.0	1,157.0	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

performances according to CSS software 10.27

Air Cooled Screw Chiller - fix speed

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- › Extremely wide range from 290kW to over 2 MW
- › Units with stepless regulation offer the benefit of following the system energy demand at any time with high efficiency if compared to the units with step regulation. Each unit has infinitely variable capacity control from 100% down to 12.5%
- › Advanced compressor and fans design that operate at very low sound levels
- › 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-T-SSC



EWAD-T-SLC

Cooling Only				EWAD-T-SSC/SLC				290	330	370	510	520	580	700	800	940	C10	C11	C17	C19	C20	C21	H10	H12	H13	H14	H15	H16	H18							
Cooling capacity	Nom.			kW	293	335	374	501	525	567	704	810	933	993	1,135	1,760	1,930	2,026	2,103	1,047	1,243	1,346	1,442	1,555	1,684	1,856										
Power input	Cooling	Nom.			kW	92.9	113	120	165	170	187	233	269	307	349	395	611	680	706	731	373	443	471	501	533	565	662									
Capacity control	Method					Stepless																														
	Minimum capacity			%	12.5																															
SEPR					5.14	5.1	5.16	5.5			5.51	5.56	5.51		5.52	5.51	5.42	5.38	5.51	5.5	5.52	5.5	5.54	5.56	5.5											
EER					3.15	2.94	3.1	3.02	3.07	3.03	3.01		3.03	2.85	2.87	2.88	2.84	2.87		2.8		2.85	2.88	2.92	2.98	2.8										
IPLV					4.31	4.22	4.35	4.9	4.78	5.04	4.63	4.56	4.63	4.65	4.67	4.6		4.5	4.46	4.57	4.64	4.62	4.63	4.64	4.6	4.63										
Dimensions	Unit	Height			mm	2,540																														
		Width			mm	2,282																														
		Length			mm	3,239	4,139			5,039	6,009		6,909	7,809	11,409	12,309	13,209	14,109	6,909	7,809	8,709	9,609	10,510	11,409												
Weight	Unit				kg	3,062	4,104	4,724	4,860	5,316	5,663	5,950		6,468	11,277	11,808	11,999		6,490	7,062	7,362	7,654	10,157	11,277	11,385											
	Operation weight				kg	3,162	4,274	4,894	5,030	5,402	5,903	6,240		6,768	12,148	12,761	13,034		7,002	7,554	7,842	8,134	10,657	12,148	12,338											
Water heat exchanger	Type				Shell and tube																															
	Water volume			l	89	181	164	170	164	315	240	289		502	871	953	103		518	492	470	461	522	871	953											
	Water flow rate	Cooling	Nom.	l/s	14	16	17.9	23.9	25	27.1	33.6	38.7	44.5	47.4	54.2	84	92	96.6	100	49.9	59.3	64.2	68.8	74.1	80.3	88.5										
	Water pressure drop	Cooling	Nom.	kPa	24.5	31.2	45.3	34	51.8	67.2	46.9	34.4	42.9	48	57.1	40.2	43.4	43.9	46.9	44.6	35.3	46.2	56	65.9	37.1	40.4										
Air heat exchanger	Type				Microchannel																															
Compressor	Type				Asymm single screw																															
	Quantity				2												3						2						3							
Fan	Type				Direct propeller, on/off fans																															
	Quantity				6		8		10		12		14		16	24	26	28	30	14	16	18	20	22	24											
	Air flow rate Nom.			l/s	30,245		40,326		50,408		60,490		70,571		80,653	120,981	131,062	141,143	151,224	70,572	80,654	90,735	100,816	110,899	120,981											
	Speed			rpm	900																															
Sound power level (SSC)	Cooling	Nom.			dBA	98					99					100					103					100		101		103						
Sound pressure level (SSC)	Cooling	Nom.			dBA	78										79					80					79		78		79		80				
Sound power level (SLC)	Cooling	Nom.			dBA	94	95					96		97		98	100					97		98		99		100								
Sound pressure level (SLC)	Cooling	Nom.			dBA	74	75					76					77					76					77									
Refrigerant	Type				R-134a																															
	Charge			kg	50	55	58	66	67	93.6	109.2	124.8	187	203	218	234	109.2	124.8	140.4	156	172	187														
	Circuits	Quantity				2												3						2						3						
Piping connections	Evaporator water inlet/outlet (OD)				114.3		139.7				168.3				219.1				273mm				219.1mm				273mm									
Unit	Starting current	Max			A	260	320	354	576	583	606	642	694	909	922	1,025	1,515	1,604	1,668	1,732	1,005	1,141	1,160	1,225	1,440	1,446	1,584									
		Running current	Cooling	Nom.	A	161	189	204	272	278	303	377	418	476	526	602	920	1,019	1,059	1,093	558	660	704	742	812	860	984									
					Max	A	226	256	290	364	394	417	519	571	654	712	815	1,260	1,394	1,458	1,522	750	886	950	1,015	1,116	1,191	1,329								
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400																															

performances according to CSS software 10.27

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EWAD-T-XSC



EWAD-T-XLC

Cooling Only				EWAD-T-XSC/XLC		350	380	400	420	440	490	540	570	730	820	950	C10	C13	C14	C17	C19	C20	H10	H11	H13	H15	H16	H18	
Cooling capacity	Nom.			kW	351	379	400	418	438	492	541	560	728	822	943	1,008	1,278	1,447	1,836	2,019	2,076	1,081	1,169	1,371	1,606	1,705	1,947		
Power input	Cooling	Nom.		kW	105	115	121	128	138	159	165	175	241	271	299	333	412	482	587	660	700	348	375	439	519	551	621		
Capacity control	Method				Stepless																								
	Minimum capacity			%	12.5																								
SEPR					5.18	5.52	5.54	5.51	5.51	5.5	5.55	5.52	5.61	5.52	5.56	5.55	5.59	5.57	5.52	5.56	5.58	5.57	5.57	5.58	5.57	5.58	5.58		
EER					3.32	3.29	3.24	3.16	3.09	3.26	3.19	3.01	3.02	3.15	3.02	3.1	3	3.13	3.05	2.96	3.1	3.11	3.12	3.09	3.14				
IPLV					4.15	4.34	4.6	4.77	4.46	4.82	4.88	4.97	4.68	4.54	4.76	4.69	4.56	4.62	4.67	4.6	4.65	4.69	4.7	4.6	4.62				
Dimensions	Unit	Height		mm	2,540																								
		Width		mm	2,282																								
		Length		mm	4,139	5,039				6,009				7,809				9,609	10,510	13,209	14,109	8,709	9,609	10,510	11,409	12,309	14,109		
Weight	Unit		kg	4,064	4,360		4,860	5,398	5,316	5,663	6,376	7,654	8,020	11,581	11,999	7,362	7,392	8,020	11,277	11,684	11,672								
	Operation weight		kg	4,234	4,530		5,030	5,568	5,402	5,903	6,676	8,134	8,470	12,511	13,034	7,842	7,872	8,470	12,148	12,555	12,602								
Water heat exchanger	Type				Shell and tube																								
	Water volume			l	134	129	170		164	170	315	232	289	492	470	522	101	502		481	871	522							
	Water flow rate	Cooling	Nom.	l/s	16.7	18.1	19.1	19.9	20.9	23.5	25.8	26.7	34.7	39.2	45	48.1	60.9	69	87.6	96.3	99	51.6	55.8	65.4	76.6	81.3	92.9		
	Water pressure drop	Cooling	Nom.	kPa	22.3	28.7	19.9	21.6	23.5	46	38.9	36.6	32	38.5	43.7	49.3	37.1	52.6	43	46	48.4	52.3	60.1	45	34.1	37.9	47.7		
Air heat exchanger	Type				Microchannel																								
Compressor	Type				Asymm single screw																								
	Quantity				2								3				2				3								
Fan	Type				Direct propeller, on/off fans																								
	Quantity				8	10				12				16				20	22	28	30	18	20	22	24	26	30		
	Air flow rate		Nom.	l/s	40,326	50,408				60,490				80,653				100,816	110,898	141,143	151,224	90,735	100,817	110,898	120,981	131,062	151,224		
	Speed			rpm	900																								
Sound power level (XSC)	Cooling	Nom.		dBA	98				99				100	101	103				100	101	103								
Sound pressure level (XSC)	Cooling	Nom.		dBA	78				79				80	81	83				80	79	80				79				
Sound power level (XLC)	Cooling	Nom.		dBA	95				96				97	98	99	100				98	99	100							
Sound pressure level (XLC)	Cooling	Nom.		dBA	75				76				77				76	77	77										
Refrigerant	Type				R-134a																								
	Charge			kg	52	54	65	66		72	93.6	124.8	156	171.6	218	234	140.4	156	171.6	187	203	234							
	Circuits	Quantity			2								3				2				3								
Piping connections	Evaporator water inlet/outlet (OD)				139.7				168.3				219.1mm				273mm				219.1mm				273mm				
Unit	Starting current	Max		A	296	340	361	454	478	583	589	612	642	694	916	929	1,154	1,231	1,528	1,616	1,674	1,018	1,038	1,173	1,446	1,453	1,603		
		Cooling	Nom.		A	181	195	204	216	230	261	271	286	378	419	463	514	634	727	898	997	1,050	537	575	674	799	844	943	
				Max		A	262	276	297	321	345	371	400	423	519	571	661	719	899	1,021	1,273	1,406	1,464	763	828	963	1,122	1,198	1,348
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50 /400																							

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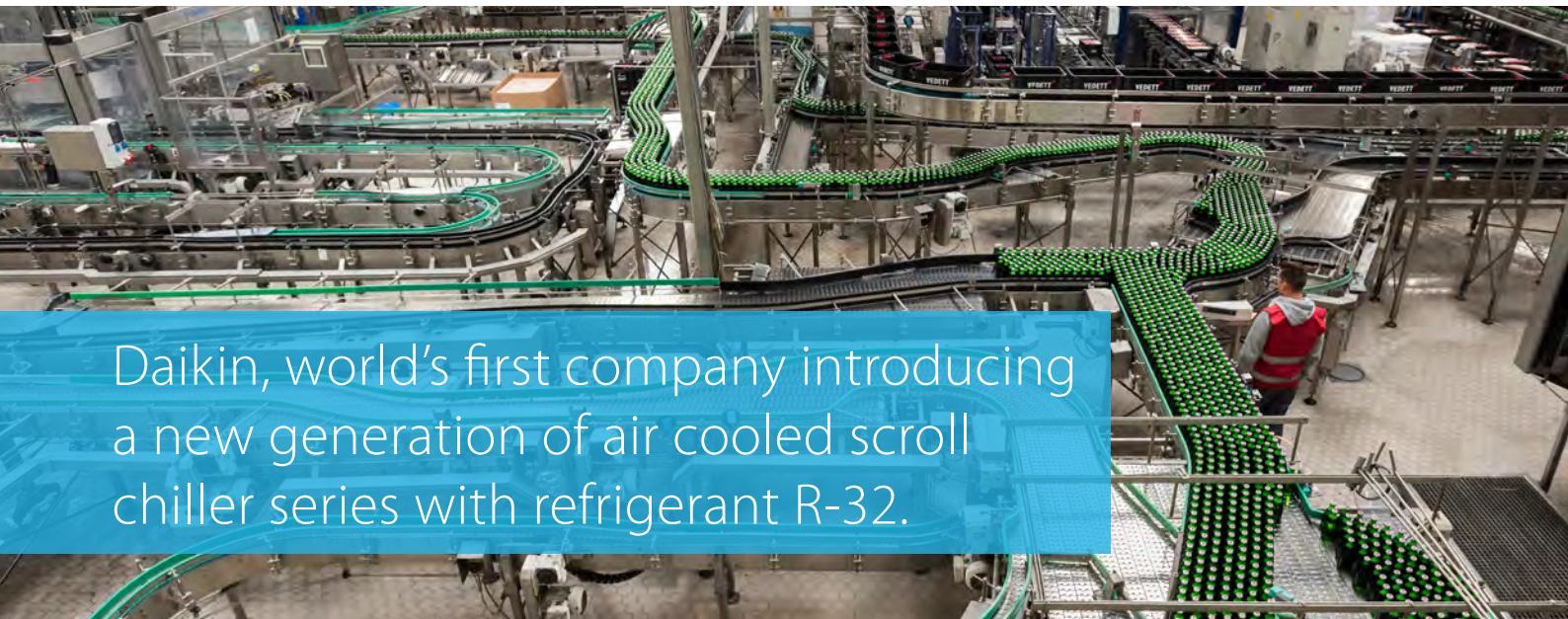


EWAD-T-XRC

Cooling Only				EWAD-T-XRC		350	380	400	420	440	490	540	570	730	820	950	C10	C13	C17	C19	C20	H10	H11	H13	H15	H16	H18
Cooling capacity	Nom.			kW	342	369	390	407	427	480	527	546	708	784	912	971	1,233	1,781	1,941	1,987	1,064	1,144	1,319	1,555	1,648	1,881	
Power input	Cooling	Nom.		kW	107	116	122	130	140	161	167	177	251	281	309	350	427	607	688	739	364	390	455	541	568	638	
Capacity control	Method				Stepless																						
	Minimum capacity			%	12.5																						
SEPR					5.16	5.14	5.51	5.52	5.5	5.5	5.5	5.5	5.5	5.52	5.52	5.5	5.52	5.55	5.56	5.5	5.55	5.56	5.53	5.53	5.54	5.55	
EER					3.19	3.17	3.12	3.04	2.96	3.14	3.07	2.81	2.79	2.95	2.77	2.89	2.93	2.82	2.69	2.92	2.93	2.89	2.87	2.9	2.95		
IPLV					4.25	4.3	4.93	4.73	4.75	4.97	5.06	4.98	4.53	4.64	4.65	4.63	4.54	4.72	4.66	4.68	4.56	4.65	4.52	4.64	4.61	4.7	
Dimensions	Unit	Height	mm	2,540																							
		Width	mm	2,282																							
		Length	mm	4,139	5,039				6,009				7,809	9,609	13,209	14,109	8,709	9,609	10,510	11,409	12,309	14,109					
Weight	Unit		kg	4,344	4,640			5,140	5,678	5,596	5,943	6,616	7,894	12,238	12,432	7,602	7,632	8,260	11,652	12,059	12,047						
	Operation weight		kg	4,514	4,810			5,310	5,848	5,682	6,183	6,916	8,374	13,168	13,467	8,082	8,112	8,710	12,523	12,930	12,977						
Water heat exchanger	Type				Shell and tube																						
	Water volume			l	134	129	170			164	170	315	232	289	492	522	101	502	481	871	522						
	Water flow rate	Cooling	Nom.	l/s	16.3	17.6	18.6	19.4	20.4	22.9	25.1	26.1	33.8	37.4	43.5	46.3	58.8	84.9	92.6	94.7	50.7	54.5	62.9	74.1	78.6	89.7	
	Water pressure drop	Cooling	Nom.	kPa	21.3	27.4	19.1	20.6	22.4	44.1	37.2	35	30.4	35.4	41.1	46	34.8	40.6	42.8	44.7	50.8	57.8	42	32.1	35.7	44.9	
Air heat exchanger	Type				Microchannel																						
Compressor	Type				Asymm single screw																						
	Quantity				2										3					2			3				
Fan	Type				Direct propeller, on/off fans																						
	Quantity				8	10			12				16	20	28	30	18	20	22	24	26	30					
	Air flow rate	Nom.	l/s	29,963	37,275			44,943				59,568	59,213	74,906	105,581	113,250	67,237	74,550	82,219	90,600	98,269	113,250					
	Speed			rpm	700																						
Sound power level	Cooling	Nom.	dBA	89	90				91				92	93	95			92	93	94			95				
Sound pressure level	Cooling	Nom.	dBA	69				70				71				72	70	71	72			71					
Refrigerant	Type				R-134a																						
	Charge			kg	52	54	65	66			72	93.6	124.8	156	218	234	140.4	156	171.6	187	203	234					
	Circuits	Quantity			2										3					2			3				
Piping connections	Evaporator water inlet/outlet (OD)				139.7								168.3				219.1	273mm			219.1mm			273mm			
Unit	Starting current	Max		A	296	340	361	454	478	583	589	612	642	694	916	929	1,154	1,528	1,616	1,674	1,018	1,038	1,173	1,446	1,453	1,603	
	Running current	Cooling	Nom.	A	182	197	203	216	231	267	274	291	395	439	480	537	657	928	1,037	1,100	555	593	700	828	873	974	
	Running current	Max		A	262	276	297	321	345	371	400	423	519	571	661	719	899	1,273	1,406	1,464	763	828	963	1,122	1,198	1,348	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50 /400																						

performances according to CSS software 10.27





Daikin, world's first company introducing a new generation of air cooled scroll chiller series with refrigerant R-32.

BLUEvolution

R-32

EWAT-B

Multi scroll chiller with R-32 refrigerant

- ✓ Top class efficiency, SEER up to 4.84. Overcoming 2021 Eco-design requirements!
- ✓ Environmental friendly refrigerant → First in the market
- ✓ New R-32 optimized scroll compressors and heat exchangers
- ✓ 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 – 700 kW
- ✓ Microchannel condensing coil, for reduced refrigerant charge
- ✓ Silver and Gold efficiency versions
- ✓ 3 sound configurations
- ✓ Full compatibility with Daikin on Site
- ✓ New Hydronic Kit configurations (single and twin pump, inertial tank, VFD)
- ✓ Single and dual circuit version overlapping between 150 kW and 350 kW
 - › Single circuit units fits 2 or 3 compressors
 - › Dual circuit units fits 4 or 5 or 6 compressors
- ✓ Extensive option lists
- ✓ Fan speed modulation option (VFD)

Extensive options list

Including new options:

- › Partial heat recovery
- › Buffer tank
- › VFD pumps and variable flow control
- › Master/Slave supplied standard
- › Fan Silent Mode





Single-V Layout

- › Slim layout
- › Higher flexibility: new intermediate sound configuration for both Silver and Gold versions

Modular-V Layout:

- › Brand new layout
- › Better part load efficiency (SEER) vs. previous generation:
 - › +4% with standard arrangement
 - › +7% with VFD fan option



Free-cooling options

It's the capability of a system/equipment to cool air or water by taking advantage of the favorable outdoor conditions when ambient temperature is reducing, for example during winter or intermediate season or even during night time operation. Free cooling operation allows to reduce the power consumption generated by traditional mechanical cooling (e.g. Compressors).

The use of the outdoor ambient as a source for cooling is the perfect way to answer to the new "EPBD Directive" (Energy Performance of Buildings Directive):

Free-cooling - Light

Refrigerant migration system allowing to recover up to 25% of normal unit capacity.

Free-cooling - Full

Refrigerant migration system allowing to recover up to 25% of normal unit capacity.

Benefits

- › Glycol free solution
- › No refrigerant pump required
- › No extra footprint vs standard unit
- › No extra pressure drops on water side

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 GSM modem



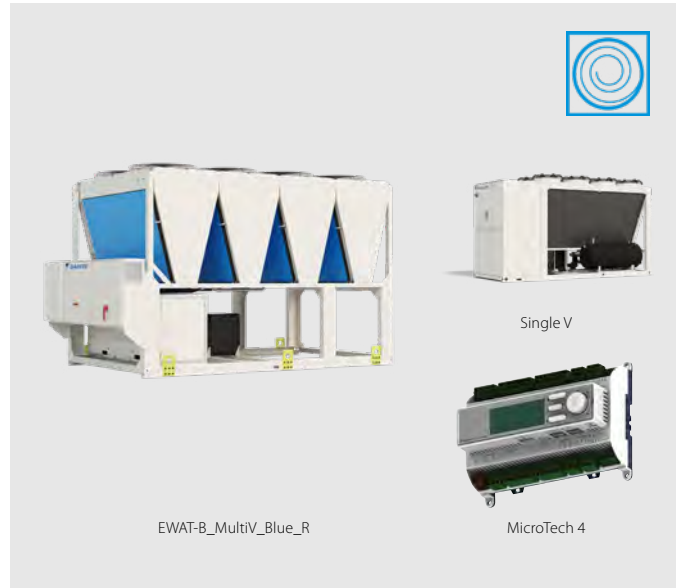
Connection to Intelligent Chiller Manager

In case of more complex installations 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:

- › High number of units
- › Peripheral controls

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	240	260	290	310	330	340	350	420	460	510	570	610	670
Space cooling	A Condition 35°C Pdc ηs,c			kW		80.92	108.97	131.42	158.15	174.93	191.39	210.53	217.08	241.41	260.58	282.93	306.42	329.59	343.51	350.1	416.28	467.54	513.41	566.53	611.64	667.91
						%	161	173	161	176.2	170.6	173	161	171.8	162.6	173.8	177.8	170.2	174.6	166.6	179.4	179.4	179.4	179.4	179	179
						%								175.4	165.4	177.8	182.6	173.4	183.4	169.4	179.8	182.2	181.8	179.4	180.2	183.8
SEER						4.1	4.4	4.1		4.48	4.34	4.4	4.1	4.37	4.14	4.42	4.52	4.33	4.44	4.24		4.56				4.55
SEER + VFD FAN														4.46	4.21	4.52	4.64	4.41	4.66	4.31	4.57	4.63	4.62	4.56	4.58	4.67
Cooling capacity	Nom.			kW		81	109	131	158	175	191	211	217	241	261	283	306	330	344	350	416	468	513	567	612	668
Power input	Cooling	Nom.		kW		31.8	38.5	49.8	61.9	67.8	69.5	80	85.8	85.2	95.6	108	113	122	117	132	147	171	186	216	230	238
Capacity control	Method																									
	Minimum capacity			%		50	38	50	25	38	21	19	50	17	25	24	14	13	33	19	17	15	14	12	11	17
EER						2.55	2.83	2.64	2.55	2.58	2.75	2.63	2.53	2.83	2.73	2.62	2.72	2.71	2.94	2.65	2.84	2.73	2.76	2.63	2.66	2.8
IPLV						4.65	4.92	4.46	4.68	4.78	4.84	4.86	4.7	4.67	4.44	4.74	4.86	4.63	4.8	4.56	4.87	4.84	4.81	4.89	4.9	4.86
EER + VFD FAN														2.83	2.73	2.62	2.72	2.7	2.93	2.65	2.83	2.73	2.76	2.62	2.66	2.8
IPLV + VFD FAN														4.81	4.27	4.55	5.02	4.75	5	4.7	4.91	4.89	4.9	4.93	4.89	5
Dimensions	Unit	Height		mm		1,801		1,822	1,801		1,822										2,540					
		Width		mm					1,204												2,236					
		Length		mm		2,120	2,660	3,570	3,180	4,170	3,780			2,326				3,226				4,126		5,025	5,874	
Weight (SSB)	Unit			kg		681	767	811	1,007	984	1,166	1,158	1,184	1,712	1,739	1,912	2,186	2,214	2,343	2,242	2,721	2,881	3,037	3,278	3,712	4,073
	Operation weight			kg		686	773	820	1,014	996	1,177	1,169	1,200	1,723	1,750	1,928	2,205	2,233	2,363	2,261	2,749	2,909	3,065	3,320	3,754	4,115
Weight (SLB)	Unit			kg		691	777	821	1,028	994	1,187	1,179	1,194	1,815	1,842	2,004	2,289	2,317	2,434	2,345	2,824	3,066	3,223	3,484	3,918	4,279
	Operation weight			kg		696	783	830	1,035	1,006	1,198	1,190	1,210	1,826	1,853	2,020	2,308	2,336	2,454	2,364	2,852	3,094	3,251	3,526	3,960	4,321
Water heat exchanger	Type																									
	Water volume			l		5	6	9	7	12	11	16	11	11	16	19	20	19			28				42	
	Water flow rate	Cooling	Nom.	l/s		3.9	5.2	6.3	7.6	8.4	9.1	10.1	10.4	11.5	12.4	13.5	14.6	15.7	16.4	16.7	19.9	22.3	24.5	27	29.2	31.9
	Water pressure drop	Cooling	Nom.	kPa		27.3	34.4	26.5	64.2	41.7	45.9	54.4	41.4	69.7	80	66.7	46.4	52.9	77.2	59	54.5	67.2	79.6	65.4	75.1	88
Air heat exchanger	Type																									
Compressor	Type																									
	Quantity					2		4	2	4	2		2	4	3	4		3	4		5			6		
Fan	Type																									
	Quantity					4	6	8		10				4		5	6	5	7		8		9	11		
	Air flow rate	Nom.		l/s		6,022	9,036	13,354	12,023	16,710	15,057			20,306		25,382	30,459	25,382	35,535		40,612		45,688	55,841		
	Speed			rpm				1,360											900							
Sound power level (SSB)	Cooling	Nom.		dBA		84.8	88.2	89.7	87.8	91.8	89.9	90.9	93.2	93.3	93.8	94.8	94.9	95.3	96.1	95.6	96.7	97	97.6	97.8	98.3	99
Sound power level (SLB)	Cooling	Nom.		dBA		83.7	86.2	87	86.7	88.8	88.1	88.7	90	90.8	91	91.8	91.9	92.7	91.9	93.3	93.4	93.9	94	94.5	95.3	
Sound pressure level (SSB)	Cooling	Nom.		dBA		67.4	70.5	72	69.5	73.8	71.3	72.3	74.8	74.3	74.8	75.8	75.4	75.8	76.6	76.1	76.7	77	77.6	77.9	78.2	
Sound pressure level (SLB)	Cooling	Nom.		dBA		66.3	68.5	69.3	68.4	70.7	69.5	70.1	71.6	71.8	72	72.3	72.4	73.2	72.4	73.3	73.4	74		74.1	74.6	
Refrigerant	Type/GWP																									
	Charge (SSB)			kg		7.1	8.4	12.4	10.7	14.1	14.4	12.7	19	18	18.8	25.5	25	26	25.2	34.3	36.5	40	42	46.1	52.5	
	Charge (SLB)			kg		7.1	8.2	8.4	12.4	10.7	14	13.4	12.7	19	18	19	25.5	26.5	27	24.3	34.3	36.1	39.7	42	45.5	55.5
	Circuits	Quantity				1		2	1	2		1	2	1		2	1				2					
Piping connections	Evaporator water inlet/outlet (OD)					76.1		88.9	76.1	88.9	76.1	88.9	76.1	88.9	76.1	88.9	76.1				88.9			114.3		
Unit	Starting current	Max		A		213	313	324	284	462	384	395	498	410	420	546	573	583	588	594	636	681	719	763	801	843
	Running current	Cooling	Nom.	A		59	69	83	108	113	117	131	142	147	160	179	194	206	196	219	238	285	310	358	381	398
		Max		A		73	86	96	143	132	156	167	168	182	193	216	243	254	258	265	307	351	389	433	471	513
Power supply	Phase/Frequency			Hz																						

Air cooled scroll chiller, standard efficiency, reduced sound

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EWAT-B-SRB

Cooling Only				EWAT-B-SRB		085	115	135	155	175	195	205	215	240	260	290	310	330	340	350	420	460	510	570	610	670
Space cooling	A Condition 35°C Pdc			kW	76.49	105	123.88	150.13	164.87	181.31	200.51	203.5	231.19	248.68	266.45	290.26	311.62	329.53	330.8	398.49	443.51	488.06	534.23	578.74	637.95	
	ηs,c			%	161	173	161	166.2	162.2	167.8	161	179.8	164.2	174.2	172.2	173.8	179	165	179	179.8	179.4		179			
SEER					4.1	4.4	4.1	4.23	4.13	4.27	4.1	4.57	4.18	4.43	4.38	4.42	4.55	4.2	4.55	5.57	4.56		4.55			
Cooling capacity	Nom.			kW	76	105	124	150	165	181	201	204	231	249	266	290	312	330	331	398	444	488	534	579	638	
Power input	Cooling	Nom.		kW	33.7	40.3	53	65.9	73	73.2	84.6	91.9	89	99.9	115	119	129	122	140	147	181	197	230	244	251	
Capacity control	Method				Step																					
	Minimum capacity			%	50	38	50	25	38	21	19	50	17	25	24	14	13	33	19	17	15	14	12	11	17	
EER					2.27	2.61	2.34	2.28	2.26	2.48	2.37	2.21	2.6	2.49	2.31	2.44	2.41	2.7	2.35	2.71	2.45	2.48	2.32	2.37	2.55	
IPLV					4.67	4.97	4.5	4.63	4.74	4.64	4.91	4.66	4.93	4.27	4.51	4.82	4.7	5	4.72	4.81	4.92	4.93	5.04	5.03	5.01	
Dimensions	Unit	Height	mm		1,801				1,822				2,540													
		Width	mm						1,204				2,236													
		Length	mm	2,120	2,660	3,570	3,180	4,170	3,780	2,326				3,226				4,126				5,025	5,874			
Weight	Unit			kg	691	777	821	1,028	994	1,187	1,179	1,194	1,815	1,842	2,004	2,289	2,317	2,434	2,345	2,824	3,066	3,223	3,484	3,918	4,279	
	Operation weight		kg	696	783	830	1,035	1,006	1,198	1,190	1,210	1,826	1,853	2,020	2,308	2,336	2,454	2,364	2,852	3,094	3,251	3,526	3,960	4,321		
Water heat exchanger	Type			Brazed plate																						
	Water volume			l	5	6	9	7	12	11	16	11				16	19	20	19	28				42		
	Water flow rate	Cooling	Nom.	l/s	3.7	5	5.9	7.2	7.9	8.7	9.6	9.7	11	11.9	12.7	13.9	14.9	15.7	15.8	19	21.2	23.3	25.5	27.6	30.4	
	Water pressure drop	Cooling	Nom.	kPa	24.6	32.2	23.8	58.5	37.5	41.6	49.9	36.8	64.5	73.5	59.9	42.1	47.8	71.7	53.2	50.4	61.1	72.7	58.9	68	81	
Air heat exchanger	Type			Microchannel																						
Compressor	Type			Scroll compressor																						
	Quantity				2		4		2	4		2	4		3	4		3	4		5		6			
Fan	Type			Direct propeller																						
	Quantity			4	6		8		10				4				5		6	5	7		8		9	11
	Air flow rate	Nom.		l/s	4,929	7,396		11,352		9,838	14,202		12,325	17,064		21,330		25,596	21,330	29,862		34,128		38,394	46,926	
	Speed			rpm	1,200				780																	
Sound power level	Cooling	Nom.		dBA	78.6	82.5	84.1	81.6	86.3	83.9	85.2	87.8	87	87.2	87.5	88.2	88.3	89.1	88.4	89.8		90.4	90.5	91	91.8	
Sound pressure level	Cooling	Nom.		dBA	61.2	64.7	66.4	63.3	68.3	65.3	66.6	69.4	68.1	68.2	68.5	68.7	68.8	69.6	68.9	69.8	69.9	70.5		70.6	71.1	
Refrigerant	Type/GWP			R-32/675																						
	Charge			kg	7.1	8.4		13	10.7	13.9	14.4	12.3	18.2	18.8	19	25.7	25	25.5	24	34.3	35.5	40.6	41.5	44.4	44.7	
	Circuits	Quantity			1		2		1	2		1	2		1	2		1	2							
Piping connections	Evaporator water inlet/outlet (OD)				76.1		88.9		76.1	88.9		76.1	88.9		76.1	88.9		76.1	88.9				114.3			
Unit	Starting current	Max		A	213	313	324	284	462	384	395	498	410	420	546	573	583	588	594	636	681	719	763	801	843	
	Running current	Cooling	Nom.	A	62	71	87	115	119	123	139	151		165	189	202	216	202	231	245	298	324	378	402	414	
		Max	A	73	86	96	143	132	156	167	168	182	193	216	243	254	258	265	307	351	389	433	471	513		
Power supply	Phase/Frequency			Hz	3~/50																					

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

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EWAT-B-XSB



EWAT-B-XLB

Cooling Only				EWAT-B-XSB/XLB				085	115	145	180	185	200	220	230	250	280	300	310	320	360	370	430	470	540	600	660	700
Space cooling	A Condition 35°C Pdc			kW	87.9	113.89	143.48	179.01	182.67	200.92	226.26	238.95	254.88	281.64	304.64	305.17	326.28	351.74	371.72	424.99	472.32	538.3	609.11	662.39	704.37			
	ηs,c			%	167	183	175	-	175.8	173	177	169.4	175.8	180.6	181	181	177	170.6	176.2	179.4	179	179.4	181.4	182.6	180.2			
	ηs,c + VFDFAN			%	-	-	-	181.8	-	176.2	184.2	174.6	184.2	188.6	190.2	184.6	178.2	181	179.8	182.6	179.8	187	187	190.6				
SEER					4.25	4.65	4.45	4.38	4.47	4.4	4.5	4.31	4.47	4.59	4.6	4.5	4.34	4.48	4.56	4.55	4.56	4.56	4.61	4.64	4.58			
SEER + VFDFAN					-	-	-	4.62	-	4.48	4.68	4.44	4.68	4.79	4.83	4.69	4.53	4.6	4.57	6.64	4.57	4.75	4.84					
Cooling capacity	Nom.			kW	88	114	143	179	183	201	226	239	255	282	305	326	352	372	425	472	538	609	662	704				
Power input	Cooling	Nom.		kW	28.8	36.6	44.4	57	63.6	65.7	74.7	74.6	81.7	87.9	97.3	97.4	106.8	113	121	137	153	175	195	211	227			
Capacity control	Method				Step																							
	Minimum capacity			%	50	38	50	25	38	21	19	19	17	16	24	14	22	33	19	17	25	14	12	11	17			
EER					3.05	3.12	3.23	3.14	2.87	3.06	3.03	3.21	3.12	3.2	3.13	3.313	3.06	3.11	3.06	3.11	3.09	3.07	3.12	3.14	3.1			
IPLV					4.83	5	4.82	4.65	4.74	4.67	4.72	4.6	4.69	4.78	4.86	4.77	4.79	4.38	4.7	4.8	4.9	4.8	4.79	4.82	4.77			
EER + VFDFAN					-	-	-	3.13	-	3.05	3.02	3.19	3.11	3.19	3.12	3.05	3.11	3.05	3.1	3.08	3.07	3.11	3.13	3.09				
IPLV + VFDFAN					-	-	-	5.11	-	4.87	4.97	5	5.02	5.14	4.95	4.93	4.97	4.96	4.95	4.92	4.71	5.05	5.08	5.12	5.1			
Dimensions	Unit	Height	mm	1,801	1,822	2,540	1,822	2,540																				
		Width	mm	1,204	1,204	2,236	1,204	2,236																				
		Length	mm	2,660	3,180	3,780	2,326	3,780	2,326	3,226								4,126				5,025				5,874	6,774	
Weight (XSB)	Unit	kg	737	830	949	1,633	1,066	1,663	1,699	2,082	1,987	2,128	2,226	2,159	2,196	2,639	2,698	2,785	3,228	3,448	3,900	4,294	4,436					
	Operation weight	kg	742	836	958	1,644	1,078	1,674	1,710	2,098	2,001	2,147	2,246	2,178	2,215	2,659	2,718	2,813	3,256	3,490	3,942	4,344	4,486					
Weight (XLB)	Unit	kg	747	840	959	1,736	1,076	1,766	1,802	2,082	2,090	2,231	2,318	2,262	2,299	2,731	2,801	2,888	3,393	3,633	4,106	4,500	4,642					
	Operation weight	kg	752	846	968	1,747	1,088	1,777	1,813	2,098	2,104	2,250	2,338	2,281	2,318	2,751	2,821	2,916	3,421	3,675	4,148	4,550	4,692					
Water heat exchanger	Type				Braze plate																							
	Water volume			l	5	6	9	11	12	11	16	14	19	20	19	20	20	28	42	50								
	Water flow rate	Cooling	Nom.	l/s	4.2	5.4	6.9	8.6	8.7	9.6	10.8	11.4	12.2	13.4	14.5	14.6	15.6	16.8	17.7	20.3	22.5	25.7	29.1	31.6	33.6			
	Water pressure drop	Cooling	Nom.	kPa	31.6	37.3	31	40.7	45.1	50.1	43.7	49.2	54.2	39.8	62.2	46.1	51.9	80.6	65.7	56.6	68.5	59.7	74.6	70.2	78.5			
Air heat exchanger	Type				Microchannel																							
Compressor	Type				Scroll compressor																							
	Quantity				2	4	2	4	2	4	2	4	3	4	3	4	3	4	5	6								
Fan	Type				Direct propeller																							
	Quantity				6	8	10	4	10	4	5	6	7	8	9	10	12	13	14									
	Air flow rate			Nom. l/s	9,036	12,023	15,057	20,306	15,057	20,306	25,382	30,459	35,535	40,612	45,688	50,765	60,918	65,994	71,071									
	Speed			rpm	1,360	900	1,360	900	1,360	900	1,360	900	1,360	900	1,360	900	1,360	900	1,360	900	1,360	900	1,360	900	1,360	900		
Sound power level (XSB)	Cooling	Nom.		dBA	86	88.8	90.5	91.2	92.1	92	92.7	94.8	93.8	94.6	95.6	95	95.4	96.4	96.2	96.9	97.6	98	98.6	99	99.4			
Sound power level (XLB)	Cooling	Nom.		dBA	85.2	87.1	88.5	90.6	89.3	90.6	90.7	91.8	91.7	92.5	92.6	92.5	92.6	93.3	93.2	93.8	94.4	95.6	95.9	96.3				
Sound pressure level (XSB)	Cooling	Nom.		dBA	68.3	70.8	72.2	72.3	73.7	73.1	73.7	75.3	74.3	75.1	76.1	75.5	75.9	76.4	76.3	77	77.2	77.6	77.8	77.9	78.3			
Sound pressure level (XLB)	Cooling	Nom.		dBA	67.5	69.1	70.1	71.6	70.9	71.7	72.3	72.2	73	73.1	73	73.1	73.1	73.3	73.9	74	74.8	75.2						
Refrigerant	Type/GWP				R-32/675																							
	Charge (XSB)			kg	8.6	9.7	10.7	19.4	11.2	19.7	19.8	23.5	24	27.3	26.8	28	27.6	32	31	36	43.5	46.8	55	60	66			
	Charge (XLB)			kg	8.6	9.4	11.2	18.8	11.2	19.4	19.1	23.7	23.4	29.1	26.6	27.4	27.6	30.3	32.2	35.1	43.5	48	53.8	61	64.9			
	Circuits	Quantity			1	2	1	2	1	2	1	2	1	2	1	2	1	2	2	2								
Piping connections				Evaporator water inlet/outlet (OD)	76.1	88.9	76.1	88.9	76.1	88.9	76.1	88.9	76.1	88.9	76.1	88.9	76.1	88.9	76.1	88.9	114.3							
Unit	Starting current	Max	A	215	315	328	290	464	388	399	506	414	543	554	564	592	602	640	678	727	779	817	855					
	Running current	Cooling	Nom.	A	56	67	78	110	108	122	135	128	145	158	168	170	183	192	208	234	259	298	334	360	387			
	Running current	Max	A	75	87	100	149	134	160	171	176	186	213	224	235	262	273	311	348	397	449	487	525					
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



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	200	220	230	250	280	300	310	320	360	370	430	470	540	600	660	700
Space cooling	A Condition 35°C Pdc			kW	81.86	108.59	135.62	168.03	166.16	187.56	208.44	224.52	238.22	264.73	284.94	284.65	301.84	328.88	346.48	394.41	439.5	501.51	571.63	621.1	659.28			
	ηs,c			%	213.28	179.4	166.6	177	164.6	186.6	179	169	177	186.6	185.8	183	173.8	180.6	176.2	181.8	179	183	187.4	185.4				
SEER					4.13	4.56	4.24	4.5	4.19	4.74	4.55	4.3	4.5	4.74	4.72	4.65	4.42	4.59	4.48	4.62	4.55	4.65	4.76	4.71				
Cooling capacity	Nom.			kW	82	109	136	168	166	188	208	225	238	265	285	302	329	346	394	440	502	572	621	659				
Power input	Cooling	Nom.		kW	30.8	38.9	46.9	59.1	70.5	69.8	80.7	79.2	87.3	92.2	105	103	115	121	130	147	163	190	207	224	242			
Capacity control	Method				Step																							
	Minimum capacity			%	50	38	50	25	38	21	19	50	17	16	24	14	22	33	19	17	25	14	12	11	17			
EER					2.66	2.79	2.89	2.84	2.36	2.69	2.58	2.84	2.73	2.87	2.72	2.76	2.63	2.71	2.67	2.69	2.64	2.76	2.77	2.72				
IPLV					4.74	5.1	4.76	5.04	4.72	5.05	4.97	4.86	4.91	5.08	4.78	4.94	4.62	5.04	4.95	4.88	4.72	4.96	5.04	5.07	5.08			
Dimensions	Unit	Height	mm		1,801	1,822	2,540	1,822	2,540																			
		Width	mm		1,204	2,236	1,204	2,236																				
		Length	mm	2,660	3,180	3,780	2,326	3,780	2,326	3,226						4,126			5,025			5,874	6,774					
Weight	Unit			kg	747	840	959	1,736	1,076	1,766	1,802	2,082	2,090	2,231	2,318	2,262	2,299	2,731	2,801	2,888	3,393	3,633	4,106	4,500	4,642			
	Operation weight		kg	752	846	968	1,747	1,088	1,777	1,813	2,098	2,104	2,250	2,338	2,281	2,318	2,751	2,821	2,916	3,421	3,675	4,148	4,550	4,692				
Water heat exchanger	Type				Braze plate																							
	Water volume			l	5	6	9	11	12	11	16	14	19	20	19	20		28		42		50						
	Water flow rate	Cooling	Nom.	l/s	3.9	5.2	6.5	8	7.9	9	10	10.7	11.4	12.6	13.6	14.4	15.7	16.5	18.8	21	23.9	27.3	29.6	31.5				
	Water pressure drop	Cooling	Nom.	kPa	27.8	34.2	28	36.3	38	44.2	37.7	44	48.2	35.6	55.1	40.6	45.1	71.4	57.9	49.5	60.2	52.5	66.5	62.6	69.7			
Air heat exchanger	Type				Microchannel																							
Compressor	Type				Scroll compressor																							
	Quantity				2		4		2	4		2	4		3	4		3	4		5	6						
Fan	Type				Direct propeller																							
	Quantity				6	8	10	4	10	4		5		6			7		8	9	10	12	13	14				
	Air flow rate			Nom.	l/s	6,673	8,896	11,122	15,054	11,122	15,054		18,819	18,818	22,582			26,346		30,110	33,874	37,637	45,164	48,928	52,692			
	Speed			rpm	1,108		700		1,108		700																	
Sound power level	Cooling	Nom.		dBA	77.9	81.9	84	84.2	86	84.5	84.8	86.2	85.8	86.6	87	86.7	86.9	87.7	87.6	88.3	88.9	89.3	90	90.4	90.7			
Sound pressure level	Cooling	Nom.		dBA	60.2	63.9	65.6	65.3	67.7	65.5	65.8	66.7	66.3	67.1	67.5	67.2	67.4	67.8	67.7	68.3	68.5	68.9	69.2	69.3	69.6			
Refrigerant	Type/GWP				R-32/675																							
	Charge			kg	8.4	9.1	10.3	12	11.8	19.1	18.9	22.7	22.5	28.7	27.3	28	26.6	30	33.2	35	40.9	48.2	51.5	59.2	62			
	Circuits	Quantity			1		2		1	2		1	2		1	2		1	2									
Piping connections	Evaporator water inlet/outlet (OD)				76.1		88.9		76.1	88.9		76.1	88.9		76.1	88.9		76.1	88.9			114.3						
Unit	Starting current	Max		A	215	315	328	290	464	388	399	506	414	543	554		564	592	602	640	678	727	779	817	855			
	Running current	Cooling	Nom.	A	59	71	83	113	118	128	143	134	151	164	177	179	194	204	221	250	276	319	352	381	410			
		Max	A	75	87	100	149	134	160	171	176	186	213	224	235	262	273	311	348	397	449	487	525					
Power supply	Phase/Frequency			Hz	3~/50																							

Air cooled mini inverter heat pump

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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 heating	Average climate water outlet 35°C	General	SCOP	Seasonal space heating eff. class	4.54	4.52	4.61
					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)
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		
Compressor	Type				Hermetically sealed swing compressor		
	Quantity				1		
Fan	Type				Propeller fan		
	Quantity				1		
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		
	Water side	Cooling	Min.~Max.	°CDB	5 (3)~22		
		Heating	Min.~Max.	°CDB	9 (3)~65 (3)		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg	1.35		
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

Air cooled mini inverter heat pump

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- › Separate MMI-2 controller for indoor installation



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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 (6)	5.79 (6)	5.71 (6)	5.59 (6)
 Space heating	Average climate water outlet 35°C	General	SCOP	Seasonal space heating eff. class	4.82	4.73	4.70	4.69
			A+++					
Cooling capacity	Nom.			kW	9.35 (2) / 9.10 (3)	11.6 (2) / 11.5 (3)	12.8 (2) / 12.7 (3)	14.0 (2) / 15.3 (3)
Heating capacity	Nom.			kW	9.37 (4) / 9.00 (5)	10.6 (4) / 9.82 (5)	12.0 (4) / 12.5 (5)	16.0 (4) / 16.0 (5)
Power input	Cooling	Nom.		kW	2.79 (2) / 1.71 (3)	3.56 (2) / 2.17 (3)	4.06 (2) / 2.51 (3)	4.58 (2) / 3.24 (3)
	Heating	Nom.		kW	1.91 (4) / 2.43 (5)	2.18 (4) / 2.68 (5)	2.46 (4) / 3.42 (5)	3.53 (4) / 4.56 (5)
Capacity control	Method				Variable (inverter)			
EER					3.35 (2) / 5.34 (3)	3.26 (2) / 5.31 (3)	3.16 (2) / 5.04 (3)	3.06 (2) / 4.74 (3)
COP					4.91 (4) / 3.71 (5)	4.83 (4) / 3.66 (5)	4.87 (4) / 3.64 (5)	4.53 (4) / 3.51 (5)
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.	m³/min	63	70	85	
		Heating	Nom.	m³/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 (1)~60 (1)			
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	30.8			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /230			

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

Air cooled mini inverter heat pump

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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	5.79	5.71	5.59	
 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				
		Length	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.	m³/min	63	70	85	
Sound power level	Cooling	Nom.		dBA	48.0	55.8	70.4	85.0
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 ~60			
Refrigerant	Type/GWP		R-32/675.0					
	Control		Electronic expansion valve					
	Circuits	Quantity	1					
Refrigerant charge	Per circuit		kg	3.80				
	Per circuit		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)

Air cooled mini inverter heat pump

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- › Separate MMI-2 controller for indoor installation



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EWYA-DW1P-H-

Heating & Cooling				EWYA-D	009DW1P-H-	011DW1P-H-	014DW1P-H-	016DW1P-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	5.79	5.71	5.59
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			
		Length		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.	m³/min	63	70	85	
		Heating	Nom.	m³/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	9~60			
Refrigerant	Type/GWP				R-32/675.0			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3.80			
	Per circuit			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)

Air cooled mini inverter heat pump

- › 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
- › Daikin swing compressor
- › New casing for the outdoor units
- › Separate MMI-2 controller for indoor installation



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



EWYA-DV3P-H-

Heating & Cooling				EWYA-D	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	5.79	5.71	5.59
 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)		12.8 (1) / 12.7 (2)		14.0 (1) / 15.3 (2)
Heating capacity	Nom.		kW	9.37 (3) / 9.00 (4)		12.0 (3) / 12.5 (4)		16.0 (3) / 16.0 (4)
Power input	Cooling	Nom.	kW	2.79 (1) / 1.71 (2)		4.06 (1) / 2.51 (2)		4.58 (1) / 3.24 (2)
	Heating	Nom.	kW	1.91 (3) / 2.43 (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)		3.16 (1) / 5.04 (2)		3.06 (1) / 4.74 (2)
COP				4.91 (3) / 3.71 (4)		4.87 (3) / 3.64 (4)		4.53 (3) / 3.51 (4)
Dimensions	Unit	Height	mm	870				
		Width	mm	1,380				
		Length	mm	460				
Weight	Unit				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.	m³/min	63	70	85	
Sound power level	Cooling	Nom.		m³/min	48.0	55.8	70.4	85.0
Sound pressure level	Cooling	Nom.		dBA	65.5	67.0	69.0	
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 ~60			
Refrigerant	Type/GWP			R-32/675.0				
	Control			Electronic expansion valve				
	Circuits			1				
Refrigerant charge	Per circuit			kg	3.80			
	Per circuit			TCO2Eq	2.6			
Unit	Running current	Max		A	30.8			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230			

(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)





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



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 maintain 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 external 0-10 volt signal
- › "Thermostat on" and "thermostat off" pump speed management
- › Variable primary flow control

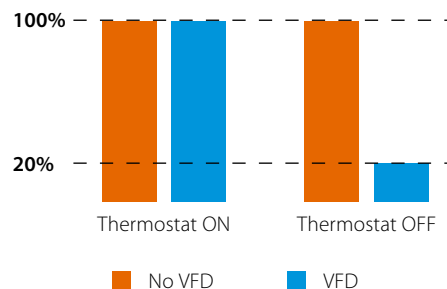
Master/Slave supplied as standard

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

Fan Silent Mode

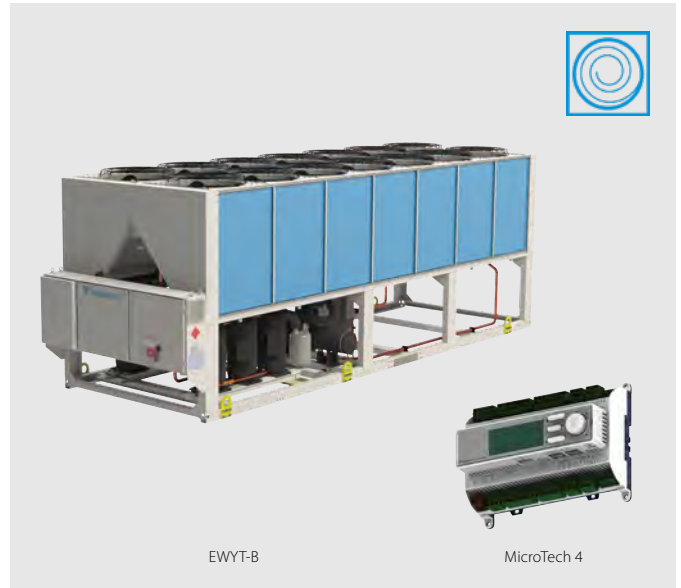
The parallel coil units and units with VFD option are standardly equipped with Fan Silent Mode, which reduces fan velocity and therefore unit sound emission on scheduled time bands, enhancing comfort during night operation.

Pumping energy



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



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- VDFAN	340- VDFAN	390- VDFAN	430- VDFAN	490- VDFAN	540- VDFAN	590- VDFAN	630- VDFAN
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	4.12	4.37	4.35	4.29	4.38									
				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									
				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				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																																	
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



More details and final information
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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	Width	mm	1,800										2,514									
				mm	1,195										2,282									
				mm	2,225	2,825	3,425		4,350	4,025	4,950		3,225		4,125				5,025					
				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																			

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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	VDFAN 310	VDFAN 350	VDFAN 400	VDFAN 440	VDFAN 500	VDFAN 560	VDFAN 600	VDFAN 630	VDFAN 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.				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	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	2,860	3,110	3,680	3,810	4,260	4,366	4,820	4,920	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	2,895	3,145	3,715	3,845	4,295	4,395	4,850	4,950	3,150	3,250	3,660.37	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	35	62	70	35	62	70	35	62	70	35	62	70	35	62	70	35	62	
		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	4	5	6	4	5	6	4	5	6	4	5	6	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	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.	dB(A)	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.	dB(A)	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.	dB(A)	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.	dB(A)	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	Width	Length	mm	1,800										2,514											
					mm	1,195										2,282											
					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												
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	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																						

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

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



EWYT-CZI



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

Air cooled scroll inverter heat pump, split version

- › Inverter Heat Pump in Split version
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- › Wide operation range and hot water production up to 60°C
- › Integrated hydronic module as standard

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EWYT-CZO



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					
	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			



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



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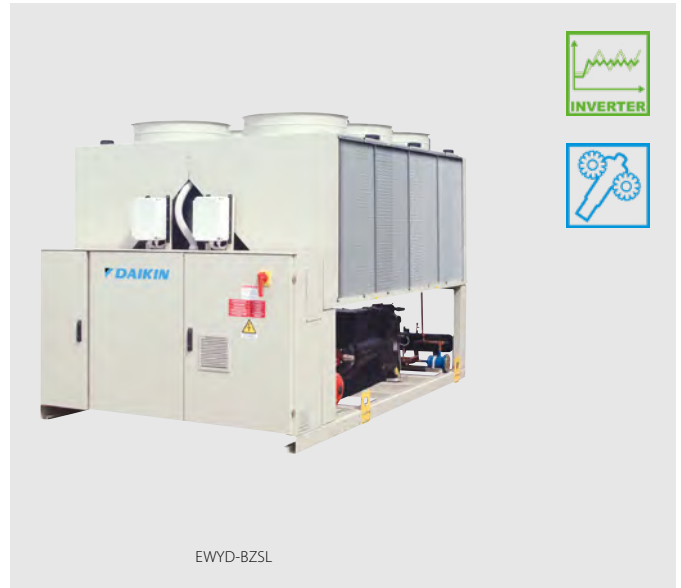


EWYD-BZSS

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.		dB(A)	101								102		104		103.6				
Sound pressure level	Cooling	Nom.		dB(A)	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				
Power supply	Phase/Frequency/Voltage	Max	A		211		212	254	288				316	336	329	3~/50/400					
				3~/50/400									3~/50/400								

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

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- › 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-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		
Power supply	Phase/Frequency/Voltage	Max		A	202	203		243	277			302	322	313	458				
					3~/50/400												3~/50/400		



EWYD-4Z Air to water Multipurpose unit

4-pipe system solution with full inverter technology
For independent and simultaneous cooling and heating all year round

1

Top class efficiency

Total Energy Ratio up to 8.8

Full inverter technology:
the best choice for
every application

Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology

The inverter integrated in the compressor is refrigerant cooled:

- › Safe and robust cooling system, totally independent from outdoor ambient conditions and air quality.
- › Suitable even for aggressive installation such as industrial or desert application.

The volume ratio will change by moving the sliding valves.

VVR changes the point at which the gas leaves the compressor, and therefore changes the pressures at discharge which will be optimal at any condition.

2

Easy part load calculation
via the tool CSS WEB

Upon defining the design condition in the unit selection page it is possible to calculate the unit performances in every in-between condition with a different load

3

Best solution for simultaneous
cooling and heating

Big multipurpose buildings, hotels, hospital are just
a few examples of application for multipurpose units

**Check on
YouTube**

[www.youtube.com/
DaikinEurope](http://www.youtube.com/DaikinEurope)

› Daikin EWYD-4Z
Multipurpose Unit

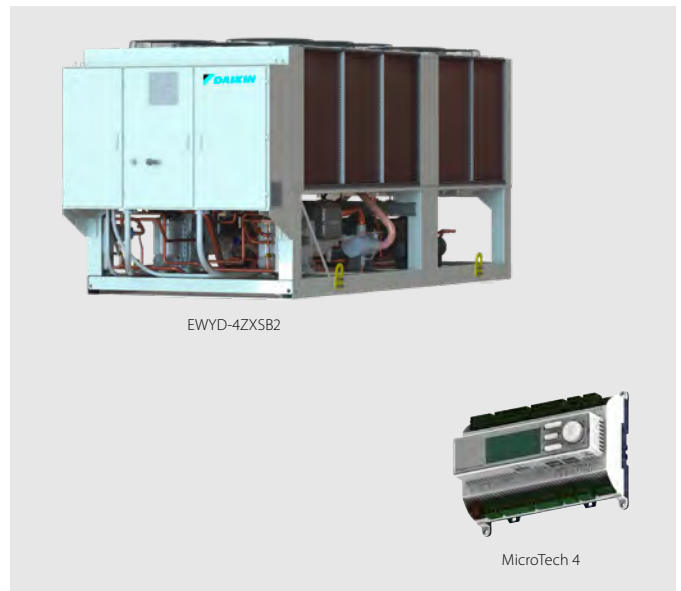


› Daikin EWYD-4Z
Multipurpose Unit –
Behind the scenes



Air to Water Multipurpose unit

- › Best solution for independent and simultaneous cooling and heating all year round
- › Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology
- › High Efficiency Inverter fans with optimized geometry ensures the best ratio between airflow and power input.
- › Wide operating envelope for cooling and heating with extra capacity in Boosted operation and Rapid Restart functionality



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



EWYD-4ZXS2

Multipurpose		EWYD-4ZXS2	400	450	500	550	600	650	700	800	
Air to water – cooling only (1)	Nominal Rated Capacity – Net	kW	402.4	438.4	502.8	523.4	602.4	653.7	702.9	785.7	
	EER – Net		3.17	3.15	3.25	3.08	3.25	3.19	3.37	3.29	
Air to water – heating only (2)	Nom. Rated Capacity – Net	kW	402.7	439.7	503.5	545.2	600.9	654.7	702.4	803.0	
	COP – Net		3.33	3.41	3.45	3.44	3.45	3.38	3.55	3.54	
Water to water – Cooling + heating (3)	Nom. Rated Capacity COOLNG – Net	kW	313.2	351.6	393.9	430.4	479.4	516	553.3	634.4	
	Nom. Rated Capacity HEATING – Net	kW	402.4	449.3	503.4	549.4	608.8	658.3	707.1	808.9	
	TER – Net		8.03	8.19	8.2	8.24	8.4	8.25	8.2	8.27	
Dimensions	Height	mm	2,465								
	Width	mm	2,285								
	Length	mm	5,825		6,725		7,625	8,525			
Weight	Unit Weight	kg	6,075	6,095	6,870	6,870	7,850	8,435	9,405	9,430	
	Operating Weight	kg	6,540	6,560	7,560	7,560	8,935	9,540	10,785	10,820	
	Cold/Hot side water connections	mm	219.1								
Sound level	Sound Power – Cooling (4)	dB(A)	99	98	99		100		102		
	Sound Pressure – Cooling at 1 m (5)	dB(A)	78	77		78		79	80		
Water heat exchangers	Cold Side	Water Volume	l	126	126	214	214	369	361	468	468
		Water flow rate (1)	l/s	19.3	21.0	24.1	25.1	28.8	31.3	33.6	37.6
		Water pressure drop (1)	kPa	42.0	50.8	40.1	47.8	48.0	34.2	40.7	37.1
	Hot Side	Water Volume	l	126	126	214	214	369	361	468	468
		Water flow rate (2)	l/s	9.1	9.1	13.4	13.4	14.6	19.5	20.8	26.1
		Water pressure drop (2)	kPa	19.4	21.146	24.3	26.334	29	31.6	33.9	38.7
Fan	Quantity	n	10		12		14	16			
	Nominal air flow (1)	l/s	56,550		67,860		79,170	90,480			
Compressor	Type		Single screw								
	Oil charge	l	28						38		
	Quantity	n.	2								
Refrigerant circuit	Refrigerant type		R134a								
	Refrigerant charge	kg	198	207	200	219	247	260	328	354	
	Circuits	n.	2								
Power Supply	Phase/Frequency/Voltage	Hz/V	3~/50/400								

Fluid: Water; Fouling factor = 0

(1) Operation in Air to water "Cooling only" mode rated at 35°C ambient temperature, 50% R.H.; Entering water temperature 12°C, Outlet water temperature 7°C.

(2) Operation in Air to water "Heating only" mode rated at 7°C ambient temperature, 85% R.H.; Entering water temperature 40°C, Outlet water temperature 45°C.

(3) Operation in Water to water "Cooling + Heating" mode rated with water flowing on cold and hot heat exchangers determined respectively at conditions (1) and (2) - Chilled water outlet temperature 7°C, Hot water outlet temperature 45°C.

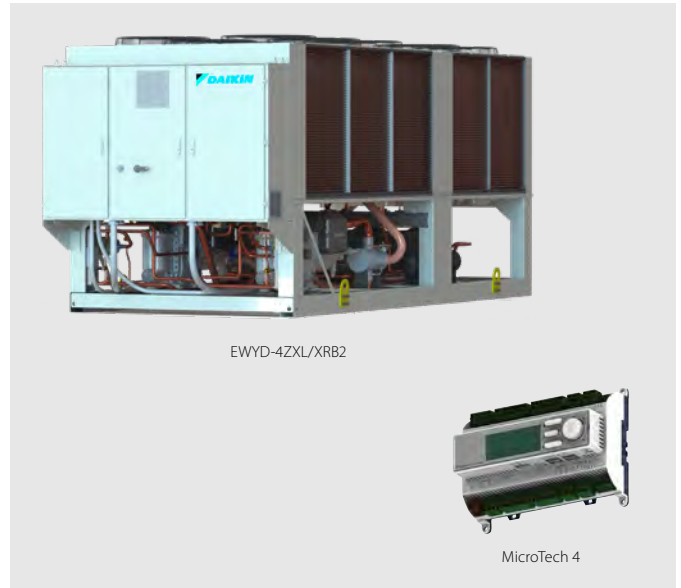
(4) Sound power level are referred to condition (1) for Cooling and (2) for Heating. The data are measured in accordance with ISO 9614 and Eurovent 8/1 for Eurovent certified units. The certification refers only to the overall sound power level.

(5) Sound pressure is calculated from the sound power level and it is for information only and not considered binding.

All the above data are referred to standard units without options and are subject to change without notice.

Air to Water Multipurpose unit

- › Best solution for independent and simultaneous cooling and heating all year round
- › Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology
- › High Efficiency Inverter fans with optimized geometry ensures the best ratio between airflow and power input.
- › Wide operating envelope for cooling and heating with extra capacity in Boosted operation and Rapid Restart functionality



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



EWYD-4ZXR2

Multipurpose		EWYD-4ZXR2	400	450	500	550	600	650	700	800	
Air to water – cooling only (1)	Nominal Rated Capacity – Net	kW	357.9	400.4	451.9	496.2	548.0	596.5	619.1	690.0	
	EER – Net		3.05	3.06	3.12	3.06	3.11	3.07	3.19	3.08	
Air to water – heating only (2)	Nom. Rated Capacity – Net	kW	358.3	398.7	452.2	493.4	550.7	601	620.9	690.8	
	COP – Net		3.48	3.65	3.65	3.63	3.59	3.55	3.67	3.71	
Water to water – Cooling + heating (3)	Nom. Rated Capacity COOLNG – Net	kW	281.5	312.7	351.1	383.1	435.2	473.1	489.3	543.8	
	Nom. Rated Capacity HEATING – Net	kW	361.4	399.5	448.1	487.9	550.5	602.1	625.3	693.3	
	TER – Net		8.04	8.20	8.24	8.31	8.55	8.33	8.19	8.27	
Dimensions	Height	mm	2,465								
	Width	mm	2,285								
	Length	mm	5,825		6,725		7,625	8,525			
Weight	Unit Weight	kg	6,240	6,260	7,035	7,035	8,015	8,600	9,690	9,715	
	Operating Weight	kg	6,705	6,725	7,725	7,725	9,100	9,705	11,075	11,110	
	Cold/Hot side water connections	mm	219.1								
Sound level	Sound Power – Cooling (4)	dB(A)	87	86	87		88		90		
	Sound Pressure – Cooling at 1 m (5)	dB(A)	66							68	69
Water heat exchangers	Cold Side	Water Volume	126		214		369	361	468		
		Water flow rate (1)	l/s	17.1	19.2	21.6	23.7	26.2	28.5	29.6	33.0
		Water pressure drop (1)	kPa	31.8	37.1	31.7	38.7	39	27	33.7	28.1
	Hot Side	Water Volume	l	126	126	214	214	369	361	468	468
		Water flow rate (2)	l/s	17.3	19.2	21.8	23.8	26.6	29.0	30.0	33.3
		Water pressure drop (2)	kPa	31.8	38.5	27.7	33.6	32	23.8	28.5	24.4
Fan	Quantity	n	10		12		14	16			
	Nominal air flow (1)	l/s	36,110		43,332		50,554	57,776			
Compressor	Type		Single screw								
	Oil charge	l	28						38		
Refrigerant circuit	Quantity	n.	2								
	Refrigerant type		R134a								
	Refrigerant charge	kg	206	207	224	226	248	260	320	348	
	Circuits	n.	2								
Power Supply	Phase/Frequency/Voltage	Hz/V	3~/50/400								

Fluid: Water; Fouling factor = 0

(1) Operation in Air to water "Cooling only" mode rated at 35°C ambient temperature, 50% R.H.; Entering water temperature 12°C, Outlet water temperature 7°C.

(2) Operation in Air to water "Heating only" mode rated at 7°C ambient temperature, 85% R.H.; Entering water temperature 40°C, Outlet water temperature 45°C.

(3) Operation in Water to water "Cooling + Heating" mode rated with water flowing on cold and hot heat exchangers determined respectively at conditions (1) and (2) - Chilled water outlet temperature 7°C, Hot water outlet temperature 45°C.

(4) Sound power level are referred to condition (1) for Cooling and (2) for Heating. The data are measured in accordance with ISO 9614 and Eurovent 8/1 for Eurovent certified units. The certification refers only to the overall sound power level.

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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)



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)



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			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										

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
- › Low refrigerant volume
- › Stainless steel plate heat exchanger
- › Extension possible to 183kW
- › Easy installation and maintenance
- › Remote cooling or heating selection
- › Water/water heat pump, with water reversibility
- › Standard integrated: water filter, flow switch, air purge, pressure ports
- › Advanced μC^2SE controller for direct connection to a Modbus based BMS or to a remote user interface



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



EWVQ-KC

Cooling & Heating only				EWWQ-KC		014	025	033	049	064		
SEER						4.02	4.23	3.63	4.48	3.88		
 Space heating	Average climate water outlet 55°C	General	SCOP	Seasonal space heating eff. class		3.64	3.63	3.71	3.58	3.87		
	Average climate water outlet 35°C	General	SCOP	Seasonal space heating eff. class		4.76		4.73	4.52	4.87	4.91	
				A+++				A++	A+++			
Cooling capacity	Nom.			kW	12.09/13.25	19.87/23.89		28.90/30.47		39.35/47.15	57.84/61.00	
Heating capacity	Nom.			kW	14.98	27.30		34.74		54.13	69.51	
Power input	Cooling	Nom.			kW	3.20/3.74	5.70/6.11		7.30/8.43		11.4/12.03	14.6/16.41
	Heating	Nom.			kW	3.90	7.10		8.70		14.4	17.5
Capacity control	Method					Fixed						
	Minimum capacity			%		100		50				
EER					3.237/4.20	3.254/4.18		3.429/4.16		3.27/4.13	3.524/4.18	
COP					3.84	3.83		3.98		3.77	3.98	
IPLV					4.68	4.85		4.28		4.97	4.44	
Dimensions	Unit	Height	mm		600							
		Width	mm		600							
		Depth	mm		600		1,200					
Weight	Unit			kg	68.0	132		141		257	265	
	Operation weight			kg	70/74	129/136		135/145		247/266	258/282	
 Water heat exchanger - evaporator	Type			Braze plate								
	Water volume			l	1.47	1.96		2.74		4.47	5.88	
	Water flow rate	Cooling	Nom.	l/s	0.63	1.14		1.45		2.25	2.91	
		Heating	Nom.	l/s	0.88	1.6		2.07		3.2	4.13	
	Water pressure drop	Cooling	Nom.	kPa	9.71/11.7	16.4/28.7		21.3/21.6		20.5/27.6	34.8/44.8	
		Heating	Nom.	kPa	23.70	60.20		59.60		56.70	94.60	
Compressor	Type			Scroll compressor								
	Quantity			1		2						
Sound power level	Cooling	Nom.	dBA		69		76		72	79		
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	0.0/1.30	0.0/1.90		0.0/2.70		0.0/4.60	0.0/6.80	
	Circuits	Quantity		1		2						
Piping connections	Evaporator water inlet/outlet (OD)			G1"		G1"		G1" 1/2				
 Space heating	Average climate water outlet 55°C	General	SCOP	3.64		3.63		3.71		3.58	3.87	
 Space heating	Average climate water outlet 55°C	General	Seasonal space heating eff. class		A++							
	A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	0.9									
	Average climate water outlet 35°C	General	Seasonal space heating eff. class		A+++		A++		A+++			
Unit	Starting current	Max	A		57.4	109.3		124.3		124.8	143.6	
	Running current	Cooling	Nom.	A	6.0/6.57	9.0/10.5		13.0/14.1		19.0/20.9	26.0/28.1	
Power supply	Phase/Frequency/Voltage	Max	A		9.16	15.5/15.53		19.3/19.33		31.0/31.05	38.65/38.7	
				Hz/V	3N~/50/400							

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



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

- › 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
- › 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.



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	
	current	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
- › High efficiency and reliable scroll compressor
- › Stainless steel plate heat exchanger
- › High flexibility for a wide variety of applications
- › Allows sequencing control (up to 4 units) without any external device
- › 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.



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
		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



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 = 0 m²/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



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



				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 = 0 m²C/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



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						
				kg	1,177	1,233	1,334	1,366	1,416	1,600	1,607
Weight	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 = 0 m²°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.

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

Single compressor



Full inverter water cooled chiller



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,...



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

VZ
CHILLER SERIES



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



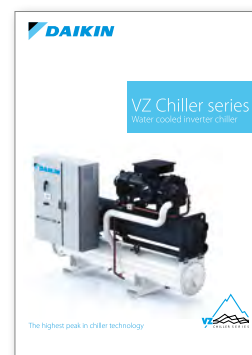
www.youtube.com/DaikinEurope



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?

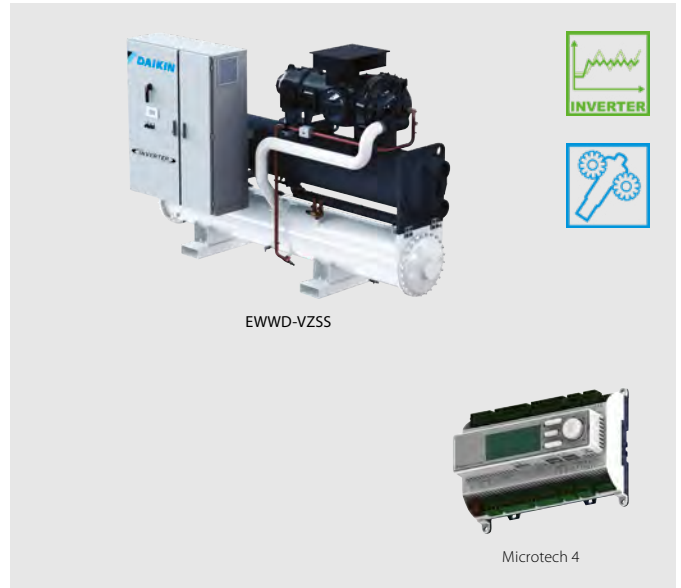
Have a look at our website and download the product profile:

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
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- › Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
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- › High efficient flooded type heat exchanger allowing maximum unit performances
- › One or two truly independent refrigerant circuits for outstanding reliability



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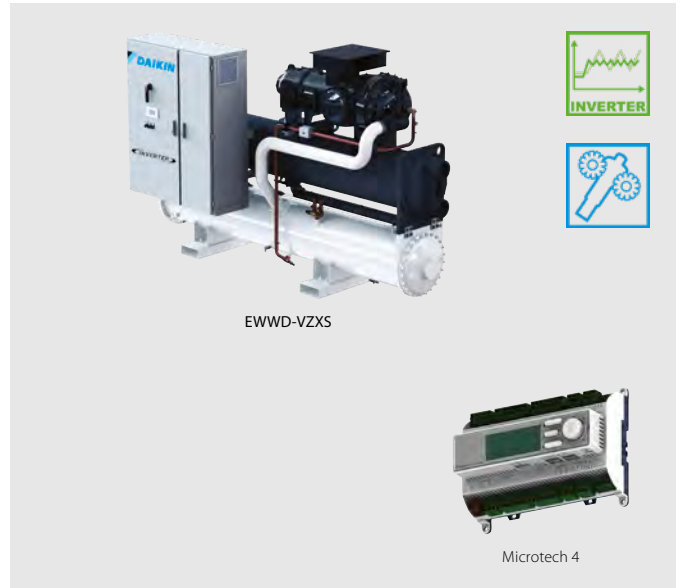
EWWD-VZSS

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			9.36	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			
Unit	Running current	Cooling	Nom.	A	171	202	220	249	300	349	379	414	470	508	566	604
	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

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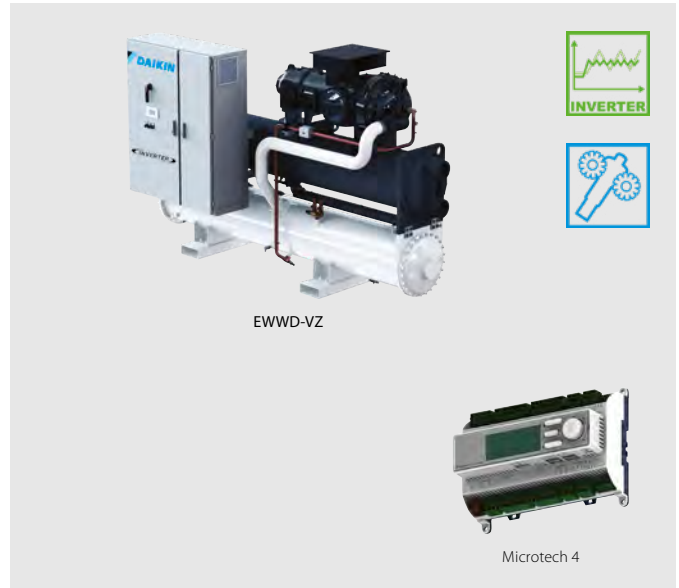
EWWD-VZXS

Cooling only/Heating only				EWWD-VZXS		450	500	610	710	800	900	C11	C12	C13	C14	C16	C17	C19	C21	
Space cooling	A Condition Pdc (35°C - 27/19)			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
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EWWD-VZPS

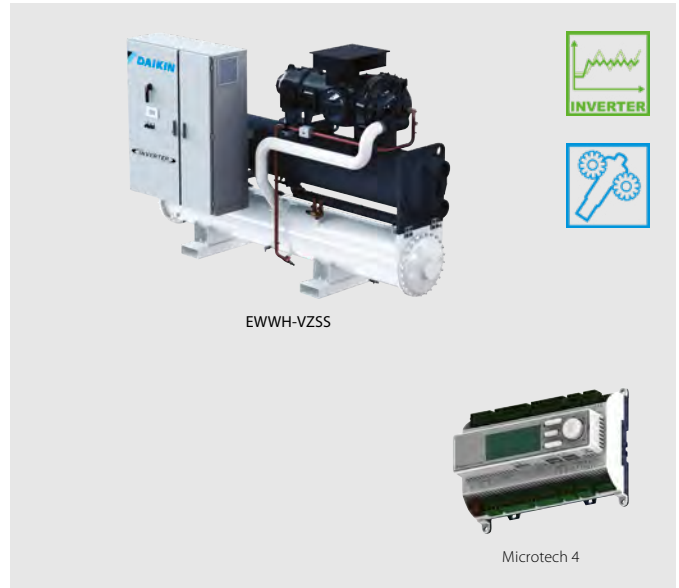
Cooling only/ Heating only				EWWD-VZPS	505	715	910	C12	C16	C18
Space cooling	A Condition Pdc (35°C - 27/19)			kW	505.02	717.71	908.11	1,201.02	1,604.03	1,757.01
	ηs,c			%	339.6	355.2	344.4	353.6	354	350
SEER					8.69	9.08	8.81	9.04	9.05	8.95
Cooling capacity	Nom.			kW	505	718	908	1,201	1,604	1,757
Power 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
Piping connections	Circuits	Quantity			1			2		
				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

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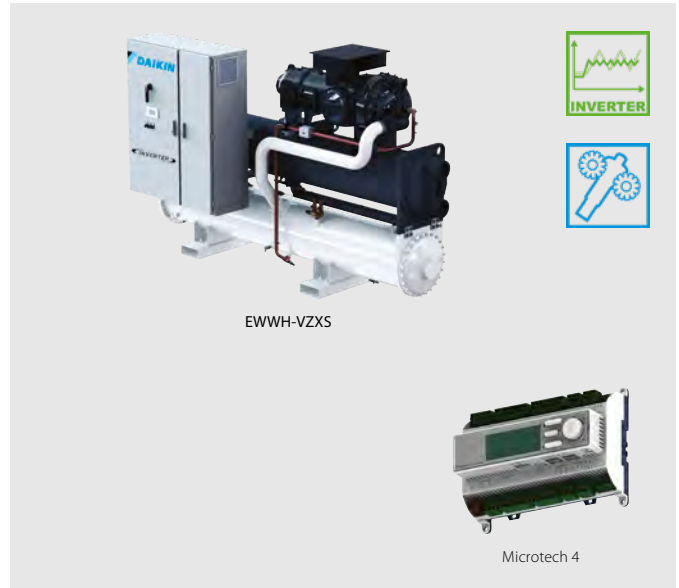
EWWH-VZSS

Cooling only/Heating only				EWWH-VZSS	445	515	550	660	770	860	940	C10	C12	C13	C14	C15
Space cooling	A Condition Pdc (35°C - 27/19)			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

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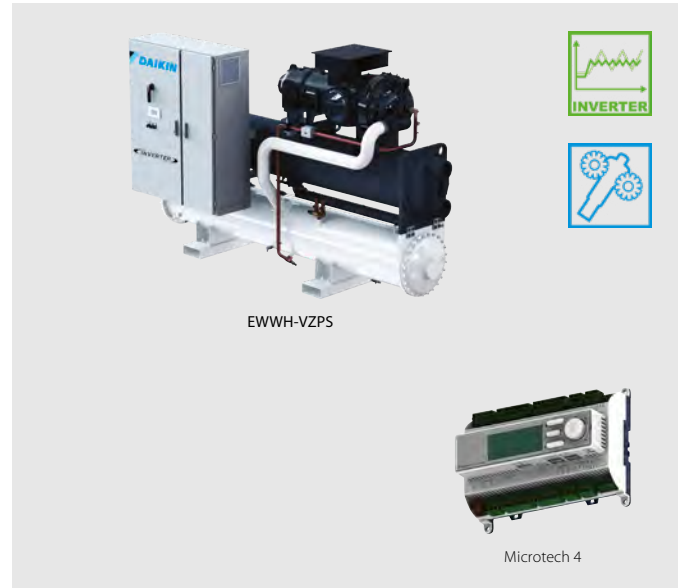
EWWH-VZXS

Cooling only/Heating only				EWWH-VZXS	335	365	450	525	580	670	800	875	950	C11	C12	C13	C14	C15								
Space cooling	A Condition Pdc (35°C - 27/19)			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								
	Type				Driven vapour compression																					
Compressor	Quantity				1							2														
	Cooling	Nom.		dBA	97	99	101	105			107		106		107		108		109	110						
Sound power 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



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



EWWH-VZPS

Cooling only/Heating only				EWWH-VZPS	370	530	680	880	C12	C13
Space cooling	A Condition Pdc (35°C - 27/19)			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	
Unit	Condenser water inlet/outlet (OD)				219.1mm			219.1 / 219.1 mm		
	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



Water to water 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 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



EWWS-VZ

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 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	
	(35°C - 27/19)			%	316	314.4	313.2	320	313.2	321.2	314.8	312	297.6	313.6	304	318.4	
SEER	ηs,c				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	
		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	
		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

Water to water 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 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



EWWS-VZ

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 Pdc (35°C - 27/19)	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	2,487	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	273											

performances according to CSS software 10.33

Water to water 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 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



EWWS-VZ

More details and final information
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clicking the QR codes.



EWWS-VZPS

Cooling only/Heating only				EWWS-VZPS	500	710	900	C12	C16	C17
Space cooling	A Condition Pdc (35°C - 27/19)			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^2SE controller for direct connection to a Modbus based BMS or to a remote user interface



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				Brazen 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



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



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

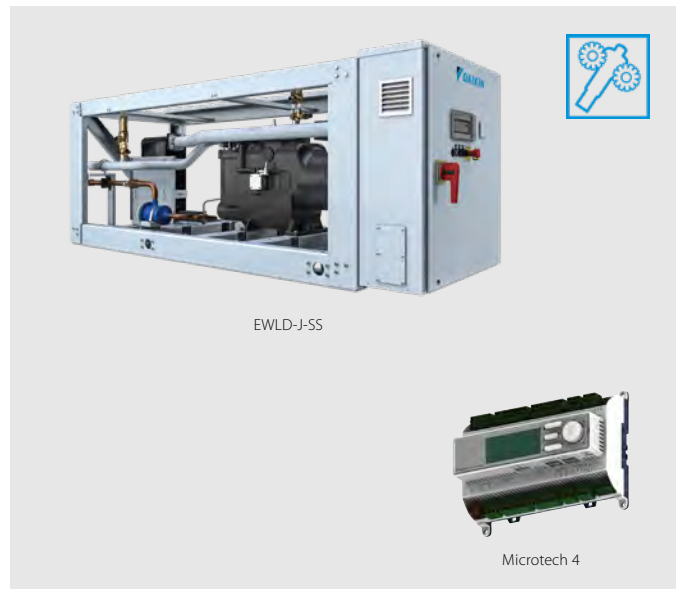


EWLQ-L-SS

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



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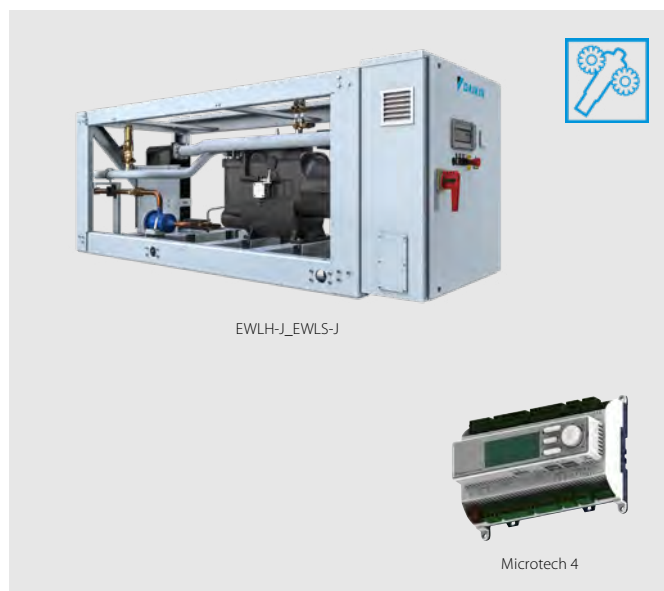
EWLD-J-SS

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				153						
	Nominal running current (RLA) Cooling				52						
	Maximum running current				85						
Power supply	Phase/Frequency/Voltage				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



More details and final information
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clicking the QR codes.



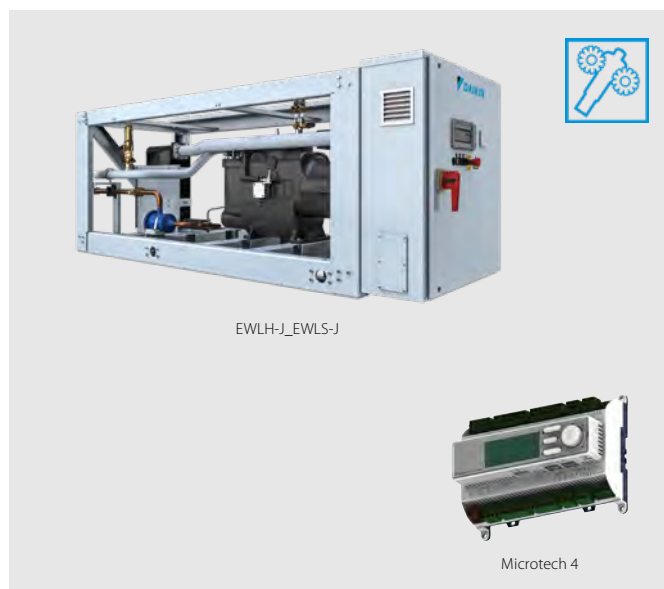
EWLH-J-SS

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



More details and final information
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clicking the QR codes.



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.			dB(A)	88.9							
Sound pressure level	Cooling	Nom.			dB(A)	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



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																																									
EER					25.0	12.5						8.3																														
					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			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																																					



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



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 Pdc (35°C - 27/19)			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	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

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



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



EWWD-DZXE

Cooling Only				EWWD-DZXE	340	470	570	670	680	740	950	C10	C11	C14	C15	C17	C22	
Space cooling	A Condition Pdc (35°C - 27/19)			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
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	20~55		20~42	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													

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- › Compact footprint through stacked heat exchanger lay-out
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EWWH-DZ

Microtech 4



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 Pdc (35°C - 27/19)			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.		dB(A)	87.9	88.9	89.9	91.1	91	91.1	92	93.3	94.3	99	100	101
Sound pressure level	Cooling	Nom.		dB(A)	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											

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EWWH-DZ



Microtech 4



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EWWH-DZXE

Cooling Only				EWWH-DZXE				245	345	405	470	480	490	685	740	810	955	C10	C12	C14		
Space cooling	A Condition Pdc (35°C - 27/19)			kW	241.98	339.33	401.93	460.88	483.83	486.57	678.69	741	802.77	944.73	1,033	1,226	2,172.91					
	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	20~55			20~42	20~55	20~42	4~20			20~42		20~55	20~42					
	Condenser	Cooling	Min.~Max.	°CDB	20~55			20~42	20~55	20~42	4~20			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																	

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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 Pdc (35°C - 27/19) ηs,c			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
				%	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															
	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															
	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															
	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															
	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															
	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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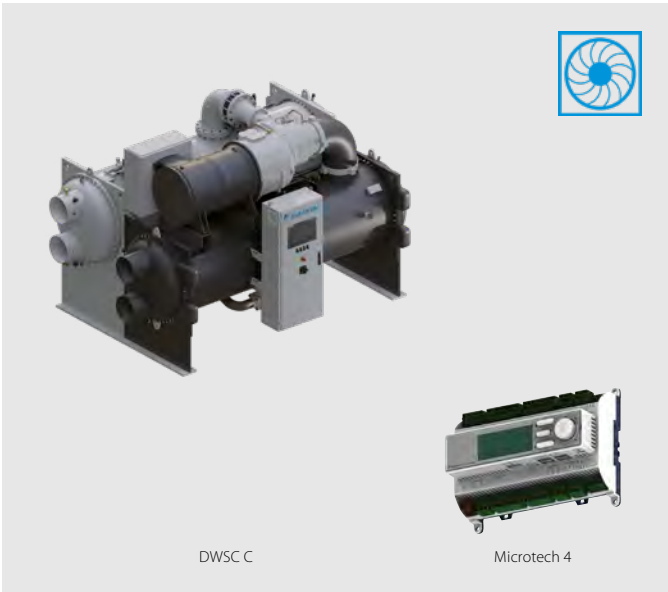


EWWS-DZXE

Cooling Only				EWWS-DZXE		340	470	570	670	680	740	950	C10	C11	C14	C15	C17	C22
Space cooling	A Condition Pdc (35°C - 27/19)			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			168.3			219.1				
				mm	139.7									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



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



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

			Air-cooled chillers							
Panels			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	●							
			Air-cooled chillers							
Serial Cards & Communication Modules			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				●				
EKCM LON		LON communication module				●	●	●	●	●
EKCMBACMSTP		BACnet/MSTP communication module				●				
EKCMBACIP		BACnet/IP communication module				●	●	●	●	●
EKDOSMWO		Daikin on Site Modem without M2M card			●	●	●	●	●	●
			Air-cooled chillers							
Other Systems & Accessories			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				●	●	●	●	●
EKPWPPOEXT		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								
EKRPIAHT	(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
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			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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			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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