

				EWAQ009ACV3	EWAQ010ACV3	EWAQ011ACV3	
Sound pressure level	Cooling		Nom.	dB	51 (5)	51 (5)	51 (5)
	Night quiet mode		Cooling	dB	45	45	45
Hydraulic components	Expansion vessel		Volume	l	10	10	10
			Max. water pressure	bar	3	3	3
			Pre pressure	bar	1.0	1.0	1.0
	Water filter		Diameter perforations	mm	1	1	1
			Material		Brass	Brass	Brass
Operation range	Air side	Cooling	Min.	°CDB	10	10	10
			Max.	°CDB	46	46	46
	Water side	Cooling	Max.	°CDB	22	22	22
			Min.	°CDB	5	5	5
Packing	Weight			kg	20	20	20
	Material				EPS, Wood, Carton, PP (Straps)	EPS, Wood, Carton, PP (Straps)	EPS, Wood, Carton, PP (Straps)
Refrigerant charge	Per circuit			kg	2.95	2.95	2.95
	Per circuit			TCO2Eq	6.2	6.2	6.2
Compressor	Output			W	2,200	2,200	2,200
	Motor (INV)	Crankcase heater		W	33	33	33
	Quantity				1	1	1
	Starting method				Inverter driven	Inverter driven	Inverter driven
	Compressor--Type				Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor
	Model				JT100G-VD	JT100G-VD	JT100G-VD
Weight	Packed unit		kg	200	200	200	
	Unit		kg	180	180	180	
Air heat exchanger	Length		mm	857	857	857	
	Fin	Treatment		Anti-corrosion treatment (PE)	Anti-corrosion treatment (PE)	Anti-corrosion treatment (PE)	
		Type		WF fin	WF fin	WF fin	
	Face area		m ²	1.131	1.131	1.131	
	Stages		Quantity	60	60	60	
	Fin pitch		mm	1.4	1.4	1.4	
	Rows		Quantity	2	2	2	
	Passes		Quantity	5	5	5	
	Type			Hi-XSS (8)	Hi-XSS (8)	Hi-XSS (8)	
	Empty tubeplate hole			0	0	0	
Refrigerant oil	Charged volume		l	1.0	1.0	1.0	
	Type			Daphne FVC68D	Daphne FVC68D	Daphne FVC68D	

Pump Standard	Power input			W	210	210	210
	Nominal ESP unit	Cooling	kPa	58.0	54.6	49.1	
	Type			Water cooled	Water cooled	Water cooled	
	Nr of speeds			2	2	2	
Refrigerant	Circuits		Quantity	1	1	1	
	Refrigerant==Refrigerant control			Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	
	Refrigerant==Refrigerant type			R-410A	R-410A	R-410A	
	Refrigerant==Refrigerant gwp			2,087.5	2,087.5	2,087.5	
Fan motor	Output		W	70	70	70	
	Speed	Cooling	Nom.	rpm	780	780	
				Steps	8	8	
	Quantity			2	2	2	
	Drive			Direct drive	Direct drive	Direct drive	
	Model			Brushless DC motor	Brushless DC motor	Brushless DC motor	
Cooling capacity	Nom.		kW	12.2 (1), 8.6 (2)	13.6 (1), 9.6 (2)	15.7 (1), 11.1 (2)	
Water heat exchanger	Water volume		l	1.01	1.01	1.01	
	Water flow rate	Max.	l/min	58	58	58	
		Cooling	Nom.	l/min	24.7 (5)	31.9 (5)	
			Min.	l/min	16	16	
	Insulation material			Foamed synthetic elastomer	Foamed synthetic elastomer	Foamed synthetic elastomer	
	Quantity			1	1	1	
	Type			Brazed plate	Brazed plate	Brazed plate	
Power input	Cooling	Nom.	kW	2.85 (1), 2.83 (2)	3.41 (1), 3.28 (2)	4.13 (1), 3.90 (2)	
Sound power level	Cooling	Nom.	dB(A)	64 (5)	64 (5)	64 (5)	
Safety devices	Item		01	High pressure switch	High pressure switch	High pressure switch	
			02	Fan motor thermal protection	Fan motor thermal protection	Fan motor thermal protection	
			03	Fuse	Fuse	Fuse	
Dimensions	Packed unit	Width	mm	1,500	1,500	1,500	
			Height	mm	1,574	1,574	
			Depth	mm	430	430	
	Unit	Width	mm	1,418	1,418	1,418	
			Depth	mm	382	382	
			Height	mm	1,435	1,435	
Capacity control	Method			Inverter controlled	Inverter controlled	Inverter controlled	
Casing	Colour			Ivory white	Ivory white	Ivory white	
	Material			Painted galvanized steel plate	Painted galvanized steel plate	Painted galvanized steel plate	
Fan	Air flow rate	Cooling	Nom.	m³/min	96	97	
	Quantity			2	2	2	
	Type			Propeller fan	Propeller fan	Propeller fan	

	Discharge direction			Horizontal	Horizontal	Horizontal
Water circuit	Total water volume		l	4 (6)	4 (6)	4 (6)
	Piping		inch	5/4"	5/4"	5/4"
	Piping connections diameter		inch	G 5/4" (female)	G 5/4" (female)	G 5/4" (female)
	Minimum water volume in the system		l	20 (7)	20 (7)	20 (7)
	Safety valve		bar	3	3	3
	Manometer			Yes	Yes	Yes
	Air purge valve			Yes	Yes	Yes
	Water circuit--Drain valve fill valve			Yes	Yes	Yes
	Shut off valve			Yes	Yes	Yes
Defrost control				Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature	Sensor for outdoor heat exchanger temperature
Template				Chillers air cooled	Chillers air cooled	Chillers air cooled
Eer				4.27 (1), 3.05 (2)	4.00 (1), 2.93 (2)	3.79 (1), 2.85 (2)
Eseer				4.31	4.30	4.33
Defrost method				Pressure equalising	Pressure equalising	Pressure equalising
Compressor	Crankcase heater		W	33	33	33
Power supply	Voltage range		Max.	%	10	10
			Min.	%	-10	-10
	Frequency		Hz	50	50	50
	Voltage		V	230	230	230
	Phase			1~	1~	1~
Unit	Unit--Minimum ssc value			Equipment complying with EN/IEC 61000-3-12	Equipment complying with EN/IEC 61000-3-12	Equipment complying with EN/IEC 61000-3-12
	Recommended fuses			32	32	32
Pump Standard	Pump Standard--Pump standard type			Water cooled	Water cooled	Water cooled
Notes				Underfloor program: cooling Ta 35°C - LWE 18°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (Dt: 5°C)	Underfloor program: cooling Ta 35°C - LWE 18°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (Dt: 5°C)	Underfloor program: cooling Ta 35°C - LWE 18°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (Dt: 5°C)
				Fan coil program: cooling Ta 35°C - LWE 7°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (Dt: 5°C)	Fan coil program: cooling Ta 35°C - LWE 7°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (Dt: 5°C)	Fan coil program: cooling Ta 35°C - LWE 7°C (Dt: 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (Dt: 5°C)
				The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information.	The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information.	The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information.
				Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C)	Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C)	Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C)
				Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)	Condition: Ta 35°C - LWE 7°C (DT = 5°C)
				Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel	Including piping + PHE; excluding expansion vessel
				Excluding water volume in the unit. In most applications this minimum water volume will have a	Excluding water volume in the unit. In most applications this minimum water volume will have a	Excluding water volume in the unit. In most applications this minimum water volume will have a

	satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	satisfying result. In critical processes or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.
	European/International Technical Standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated current $\leq 75A$.	European/International Technical Standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated current $\leq 75A$.	European/International Technical Standard setting the limits for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated current $\leq 75A$.
	According to EN14511:2001	According to EN14511:2001	According to EN14511:2001
	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.	Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.
Wiring connections	See installation manual	See installation manual	See installation manual