

				EWAQ009ACW1	EWAQ011ACW1	EWAQ013ACW1		
Sound pressure level	Cooling		Nom.	dB	51 (5)	51 (5)	52 (5)	
	Night quiet mode		Cooling	dB	45	45	46	
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					JT1G-VDYR@S	JT1G-VDYR@S	JT1G-VDYR@S	
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	56.4	49.1	40.9	
	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	12.9 (1), 9.1 (2)	15.7 (1), 11.1 (2)	17.0 (1), 13.3 (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	26.1 (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	3.08 (1), 3.05 (2)	4.13 (1), 3.90 (2)	5.52 (1), 5.18 (2)	
Sound power level	Cooling	Nom.	dB(A)	64 (5)	64 (5)	66 (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	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				4.19 (1), 2.99 (2)	3.79 (1), 2.85 (2)	3.08 (1), 2.57 (2)
Eseer				4.43	4.44	4.36
Defrost method				Pressure equalising	Pressure equalising	Pressure equalising
Compressor	Crankcase heater		W	33	33	33
Power supply	Voltage range	Max.	%	10	10	10
		Min.	%	-10	-10	-10
	Frequency		Hz	50	50	50
	Voltage		V	400	400	400
	Phase			3N~	3N~	3N~
Unit	Recommended fuses			20	20	20
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 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.	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.	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.

	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