					EWYQ009ACV3	EWYQ010ACV3	EWYQ011ACV3
Sound pressure level	Heating		Nom.	dBA	50 (3)	50 (3)	50 (3)
	Cooling		Nom.	dBA	50 (3)	50 (3)	50 (3)
	Night quiet mode		Heating	dBA	42	42	42
			Cooling	dBA	45	45	45
Hydraulic components	Expansion vessel		Volume	l	10	10	10
			Max. water pressure	bar	3	3	3
			Pre pressure	bar	1	1	1
	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
		Heating	Max.	°CDB	35	35	35
			Min.	°CDB	-15	-15	-15
	Water side	Heating	Min.	°CDB	30 (5)	30 (5)	30 (5)
			Max.	°CDB	50 (5)	50 (5)	50 (5)
		Cooling	Max.	°CDB	20	20	20
			Min.	°CDB	5	5	5
Packing	Weight			kg	20.0	20.0	20.0
	Material				PP (Straps), Wood, EPS, Carton	PP (Straps), Wood, EPS, Carton	PP (Straps), Wood, EPS, Carton
Refrigerant charge	Per circuit			kg	2.95	2.95	2.95
	Per circuit			TCO2Eq	6.16	6.16	6.16
Compressor	Output			W	2,200	2,200	2,200
	Motor (INV)		Crankcase heater	W	33.0	33.0	33.0
	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
Space heating general	Air to water unit		Rated airflow (outdoor)	m^3/h	5,400	5,400	5,400
	Other		Psb (Standby mode)	kW	0.049	0.049	0.049
			Poff (Off mode)	kW	0.049	0.049	0.049
			Pto (Thermostat off)	kW	0.186	0.186	0.186
			Pck (Crankcase heater mode)	kW	0.050	0.050	0.050
				Capacity control	Inverter	Inverter	Inverter

			Space heating general-=-Other-=-Cdh degradation heating	1.00	1.00	1.00
	Integrated supplementary heater	Psup	kW	0.00	0.00	0.00
		NOx emission	mg/kWh	0.00	0.00	0.00
			Type of energy input	Electrical	Electrical	Electrical
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		m²	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	1.00	1.00	1.00
	Type			Daphne FVC68D	Daphne FVC68D	Daphne FVC68D
General	Supplier/Manufacturer details		Name and address	Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium
			Name or trademark	Daikin Europe N.V.	Daikin Europe N.V.	Daikin Europe N.V.
	Product description		General-=-Product description-=-Low temperature heat pump	Yes	Yes	Yes
			Supplementary heater integrated	Yes	Yes	Yes
			General-=-Product description-=-Air to water heat pump	Yes	Yes	Yes
			General-=-Product description-=-Water to water heat pump	no	no	no
			General-=-Product description-=-Brine to water heat pump	no	no	no
			Heat pump combination heater	no	no	no
Pump Standard	Power input		W	210	210	210
	Nominal ESP unit	Cooling	kPa	60.5	57.8	53.2
		Heating	kPa	57.1	52.5	47.3
	Type			Water cooled	Water cooled	Water cooled
	Model			STRATOS PARA 25/1-8	STRATOS PARA 25/1-8	STRATOS PARA 25/1-8
	Nr of speeds			2	2	2
LW(A) Sound power level	dB(A)			64.0	64.0	64.0

(according to EN14825)							
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	780
		Heating	Nom.	rpm	760	760	760
				Steps	8	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), 8.60 (2)	13.6 (1), 9.60 (2)	11.1 (2), 15.7 (1)
Water heat exchanger	Water volume			l	1.01	1.01	1.01
	Water flow rate		Max.	l/min	58	58	58
		Heating	Nom.	l/min	28.3 (4)	32.6 (4)	36.9 (4)
			Min.	l/min	16	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	2.83 (2), 2.85 (1)	3.28 (2), 3.41 (1)	3.90 (2), 4.13 (1)
	Heating		Nom.	kW	2.43 (1), 2.99 (2)	2.81 (1), 3.46 (2)	3.20 (1), 3.94 (2)
Sound power level	Heating		Nom.	dBA	60 (2)	64 (4)	60 (4)
	Cooling		Nom.	dBA	64.0 (3)	64.0 (3)	64.0 (3)
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	1,574
			Depth	mm	430	430	430
	Unit		Width	mm	1,420	1,420	1,420
			Depth	mm	382	382	382
			Height	mm	1,435	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
Space heating	Average climate water outlet 35°C	A Condition (-7°CDB/-8°CWB)	PERd	%	113	116	115
			Pdh	kW	6.80	8.00	9.60
				Space heating-=-	2.83	2.89	2.88

				Average climate water outlet 35°C-=-A Condition (-7°CDB/-8°CWB)-=-Copd			
		C Condition (7°CDB/6°CWB)	Pdh	kW	4.60	4.60	4.90
			PERd	%	178	180	186
				Space heating-=-Average climate water outlet 35°C-=-C Condition (7°CDB/6°CWB)-=-Copd	4.44	4.49	4.65
				Space heating-=-Average climate water outlet 35°C-=-C Condition (7°CDB/6°CWB)-=-Cdh degradation heating	1.00	1.00	1.00
		D Condition (12°CDB/11°CWB)	Pdh	kW	5.30	5.30	5.20
			PERd	%	212	224	230
				Space heating-=-Average climate water outlet 35°C-=-D Condition (12°CDB/11°CWB)-=-Copd	5.31	5.59	5.76
				Space heating-=-Average climate water outlet 35°C-=-D Condition (12°CDB/11°CWB)-=-Cdh degradation heating	1.00	1.00	1.00
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	4.00	4.50	4.90
		General	Annual energy consumption	kWh	6,140	6,810	7,920
			Annual energy consumption (GCV)	Gj	22.1	24.5	28.5
			Ƞs (Seasonal space heating efficiency)	%	126	131	134
			Prated at -10°C	kW	10.2	11.7	13.8
				Space heating-=-Average climate water outlet 35°C-=-General-=-Seasonal space heating eff class	A+	A+	A+
				Space heating-=-Average climate water outlet 35°C-=-General-=-Scop	3.22	3.34	3.41
		B Condition (2°CDB/1°CWB)	Pdh	kW	5.50	6.50	7.60
			PERd	%	150	154	146
				Space heating-=-Average climate water outlet 35°C-=-B Condition (2°CDB/1°CWB)-=-Copd	3.74	3.84	3.64
				Space heating-=-Average climate water outlet 35°C-	1.00	1.00	1.00

				=-B Condition (2°CDB/1°CWB)-=-Cdh degradation heating			
		Tbiv (bivalent temperature)	Pdh	kW	6.90	7.70	9.60
			PERd	%	124	124	128
			Tbiv	°C	-2.00	-2.00	-2.00
				Space heating-=-Average climate water outlet 35°C-=-Tbiv (bivalent temperature)-=-Copd	3.11	3.11	3.21
		Tol (temperature operating limit)	PERd	%	99.6	102	103
			WTOL	°C	35.0	35.0	35.0
			Pdh	kW	6.20	7.30	8.90
			TOL	°C	-10.0	-10.0	-10.0
				Space heating-=-Average climate water outlet 35°C-=-Tol (temperature operating limit)-=-Copd	2.49	2.55	2.57
	Cold climate water outlet 35°C	General	Space heating-=-Cold climate water outlet 35°C-=-General-=-Qhe Annual energy consumption (GCV)-=-Gj	Gj	27.6	31.4	34.9
			Annual energy consumption	kWh	7,660	8,730	9,700
			ηs (Seasonal space heating efficiency)	%	108	108	113
			Prated at -22°C	kW	9.00	10.1	11.7
	Warm climate water outlet 35°C	General	Prated at 2°C	kW	7.30	8.50	9.50
			ηs (Seasonal space heating efficiency)	%	137	147	156
			Annual energy consumption	kWh	2,230	2,460	2,660
			Annual energy consumption (GCV)	Gj	8.03	8.85	9.57
Fan	Air flow rate	Heating	Nom.	m³/min	90.0	90.0	90.0
		Cooling	Nom.	m³/min	96.0	100	97.0
	Quantity				2	2	2
	Type				Propeller fan	Propeller fan	Propeller fan
	Discharge direction				Horizontal	Horizontal	Horizontal
Heating capacity	Nom.			kW	9.90 (2), 10.2 (1)	11.7 (1), 11.4 (2)	13.8 (1), 12.9 (2)

Water circuit	Total water volume		l	4.00 (5)	4.00 (5)	4.00 (5)
	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 (6)	20 (6)	20 (6)
	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
Sound condition ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825	Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825	Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825
Cop				3.30 (2), 4.19 (1)	3.29 (2), 4.17 (1)	3.27 (2), 4.30 (1)
Eer				3.05 (2), 4.27 (1)	2.93 (2), 4.00 (1)	2.85 (2), 3.79 (1)
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	10
		Min.	%	-10	-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
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)
				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)
				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)
				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	Excluding water volume in the unit. In most applications this minimum water volume will have a satisfying result. In critical processes	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.	or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.	or in rooms with a high heat load though, extra water volume might be required. Refer to operation range for more info.
	Contains fluorinated greenhouse gases	Contains fluorinated greenhouse gases	Contains fluorinated greenhouse gases
Wiring connections	See installation manual	See installation manual	See installation manual