

					EWWP045KBW1N	EWWP055KBW1N	EWWP065KBW1N	
LW(A) Sound power level (according to EN14825)	dB(A)				67.0	67.0	74.0	
Refrigerant	Refrigerant-- Refrigerant type				R-407C	R-407C	R-407C	
	Refrigerant-- Refrigerant gwp				1,773.9	1,773.9	1,773.9	
	Circuits			Quantity	2	2	2	
	Refrigerant-- Refrigerant control				Thermostatic expansion valve	Thermostatic expansion valve	Thermostatic expansion valve	
Operation range	Evaporator	Cooling	Min.	°CDB	-10	-10	-10	
			Max.	°CDB	20	20	20	
	Condenser	Cooling	Min.	°CDB	20	20	20	
			Max.	°CDB	55	55	55	
Cooling capacity	Nom.			kW	42.8	55.7	64.7	
Piping connections	Piping connections-- Evaporator water inlet outlet od				FBSP 40mm	FBSP 40mm	FBSP 40mm	
	Condenser water drain				Field installation	Field installation	Field installation	
	Piping connections-- Condenser water inlet outlet od				FBSP 40mm	FBSP 40mm	FBSP 40mm	
	Evaporator water drain				Field installation	Field installation	Field installation	
Power input	Cooling		Nom.	kW	12.2	16.0	18.2	
	Heating		Nom.	kW	12.2	16.0	18.2	
Sound power level	Cooling		Nom.	dba	67.0	67.0	74.0	
Refrigerant charge	Per circuit			kg	4.60	4.60	5.60	
	Per circuit			TCO2Eq	8.16	8.16	9.93	
Dimensions	Unit		Width	mm	600	600	600	
			Depth	mm	1,200	1,200	1,200	

			Height	mm	600	600	600	
Compressor	Speed			rpm	2,900	2,900	2,900	
	Oil		Charged volume	l	2.70	2.70	2.70	
	Compressor-- Compressor quantity				2	2	2	
	Compressor-- Compressor model				JT212DA-YE	JT300DA-YE	JT335DA-YE	
	Compressor-- Compressor type				Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	Hermetically sealed scroll compressor	
Space heating general	Other		Psb (Standby mode)	kW	0.0080	0.0080	0.0080	
			Poff (Off mode)	kW	0.480	0.496	0.882	
			Pto (Thermostat off)	kW	0.00	0.00	0.00	
			Pck (Crankcase heater mode)	kW	0.0060	0.0080	0.0080	
				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	
Water heat exchanger - condenser	Model			Quantity	1	1	1	
	Water flow rate		Nom.	l/min	160	210	240	
			Min.	l/min	79	100	120	
			Max.	l/min	310	410	470	
	Type				Brazed plate	Brazed plate	Brazed plate	
Casing	Colour				Ivory white (Munsell code: 5Y7.5/1)	Ivory white (Munsell code: 5Y7.5/1)	Ivory white (Munsell code: 5Y7.5/1)	

	Material				Polyester painted steel plate	Polyester painted steel plate	Polyester painted steel plate	
Weight	Unit			kg	300	320	334	
Space heating	Cold climate water outlet 55°C	General	Prated at -22°C	kW	50.2	68.3	80.1	
			Annual energy consumption	kWh	45,300	58,000	65,500	
			$\eta_s$ (Seasonal space heating efficiency)	%	101	108	112	
			Annual energy consumption (GCV)	Gj	163	209	236	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	26,000	34,100	39,200	
			Annual energy consumption (GCV)	Gj	93.6	123	141	
			$\eta_s$ (Seasonal space heating efficiency)	%	136	139	142	
			Prated at -10°C	kW	45.3	60.7	71.2	
				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	3.59	3.66	3.74	
	Warm climate water outlet 55°C	General	Annual energy consumption (GCV)	Gj	88.0	113	127	
			Prated at 2°C	kW	50.2	68.3	80.1	
			$\eta_s$ (Seasonal space heating efficiency)	%	100	107	111	
			Annual energy consumption	kWh	24,400	31,300	35,300	

	Cold climate water outlet 35°C	General	Space heating-- Cold climate water outlet 35°C--General-- Qhe Annual energy consumption (GCV)--Gj	Gj	88.0	113	127	
			Annual energy consumption	kWh	24,400	31,300	35,300	
			$\eta_s$ (Seasonal space heating efficiency)	%	100	107	111	
			Prated at -22°C	kW	50.2	68.3	80.1	
	Warm climate water outlet 35°C	General	Prated at 2°C	kW	45.3	60.7	71.2	
			$\eta_s$ (Seasonal space heating efficiency)	%	133	136	138	
			Annual energy consumption	kWh	16,900	22,100	25,500	
			Annual energy consumption (GCV)	Gj	60.7	79.7	91.7	
	Average climate water outlet 55°C	A Condition (- 7°CDB/-8°CWB)	PERd	%	114	120	128	
			Pdh	kW	50.2	68.3	80.1	
			Space heating-- Average climate water outlet 55°C--A Condition (- 7°CDB/-8°CWB)- --Coptd		2.86	3.01	3.19	
			Space heating-- Average climate water outlet 55°C--A Condition (- 7°CDB/-8°CWB)- --Cdh degradation heating		1.00	1.00	1.00	
		Tbiv (bivalent temperature)	Tbiv	°C	-10.0	-10.0	-10.0	

			Pdh	kW	50.2	68.3	80.1	
			PERd	%	114	120	128	
				Space heating-- Average climate water outlet 55°C--Tbiv (bivalent temperature)-- Copd	2.86	3.01	3.19	
		Tol (temperature operating limit)	TOL	°C	-10.0	-10.0	-10.0	
			Pdh	kW	50.2	68.3	80.1	
			PERd	%	114	120	128	
			WTOL	°C	55.0	55.0	55.0	
				Space heating-- Average climate water outlet 55°C--Tol (temperature operating limit)- --Copd	2.86	3.01	3.19	
		General	Annual energy consumption (GCV)	Gj	136	174	196	
			ηs (Seasonal space heating efficiency)	%	102	109	113	
			Annual energy consumption	kWh	37,700	48,400	54,500	
			Prated at -10°C	kW	50.2	68.3	80.1	
				Space heating-- Average climate water outlet 55°C--General-- Seasonal space heating eff class	A+	A+	A+	
				Space heating-- Average climate water outlet 55°C--General-- Scop	2.75	2.91	3.03	
		B Condition (2°CDB/1°CWB)	Pdh	kW	50.2	68.3	80.1	
			PERd	%	114	120	128	

				Space heating-- Average climate water outlet 55°C--B Condition (2°CDB/1°CWB)- --Copd	2.86	3.01	3.19	
				Space heating-- Average climate water outlet 55°C--B Condition (2°CDB/1°CWB)- --Cdh degradation heating	1.00	1.00	1.00	
		C Condition (7°CDB/6°CWB)	Pdh	kW	50.2	68.3	80.1	
			PERd	%	114	120	128	
				Space heating-- Average climate water outlet 55°C--C Condition (7°CDB/6°CWB)- --Copd	2.86	3.01	3.19	
				Space heating-- Average climate water outlet 55°C--C Condition (7°CDB/6°CWB)- --Cdh degradation heating	1.00	1.00	1.00	
		D Condition (12°CDB/11°CWB )	PERd	%	114	120	128	
			Pdh	kW	50.2	68.3	80.1	
				Space heating-- Average climate water outlet 55°C--D Condition (12°CDB/11°CWB )--Copd	2.86	3.01	3.19	

				Space heating-- Average climate water outlet 55°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	0.00	0.00	0.00	
Water heat exchanger - evaporator	Water flow rate		Max.	l/min	245	319	371	
			Nom.	l/min	123	160	185	
			Min.	l/min	101	131	152	
	Model			Quantity	1	1	1	
	Minimum water volume in the system			l	205	268	311	
	Insulation material				Polyethylene foam	Polyethylene foam	Polyethylene foam	
	Type				Brazed plate	Brazed plate	Brazed plate	
Refrigerant oil	Type				FVC68D	FVC68D	FVC68D	
Heating capacity	Nom.			kW	55.0	71.7	83.0	
General	Supplier/Manufac turer 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	no	no	no	

				General-- Product description--Air to water heat pump	no	no	no	
				General-- Product description-- Water to water heat pump	Yes	Yes	Yes	
				General-- Product description-- Brine to water heat pump	no	no	no	
				Heat pump combination heater	no	no	no	
Template					Chillers water cooled	Chillers water cooled	Chillers water 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					4.51	4.48	4.56	
Eer					3.51	3.48	3.55	
Capacity steps number					2	2	2	
Compressor	Maximum running current			A	14.0	18.0	20.0	
	Frequency			Hz	50	50	50	
	Voltage			V	400	400	400	
	Starting current			A	79.0	109	129	
	Nominal running current (RLA)			A	10.4	13.1	15.0	
	Starting method				Direct on line	Direct on line	Direct on line	
	Phase				3~	3~	3~	
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	Starting current		Nom.	A	93.0	127	149	
	Running current	Cooling	Nom.	A	208	262	30.0	
			Max	A	28.0	36.0	40.0	
	Current		Zmax	Text	0.18 + j0.12	0.18 + j0.11	0.17 + j0.11	
	Unit-- Recommended fuses according to iec standard 269 2				3 x 35aM	3 x 40aM	3 x 50aM	
Notes					Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Cooling capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	
					Heating capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Heating capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	Heating capacity is according to EN14511:2011 and valid for chilled water range Dt = 3~8°C	
					Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	Nominal cooling capacities are based on the following conditions. Evaporator: 12°C/7°C; condenser: 30°C/35°C	
					Power input is total input according to EN14511:2011	Power input is total input according to EN14511:2011	Power input is total input according to EN14511:2011	
					A filter strainer must be added in the water circuit of the evaporator and the condenser. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	A filter strainer must be added in the water circuit of the evaporator and the condenser. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	A filter strainer must be added in the water circuit of the evaporator and the condenser. A flow switch must be provided at the evaporator side. Min. water volume system applicable at nominal conditions.	
					The nominal sound power level is measured according to ISO9614	The nominal sound power level is measured according to ISO9614	The nominal sound power level is measured according to ISO9614	

					Contains fluorinated greenhouse gases	Contains fluorinated greenhouse gases	Contains fluorinated greenhouse gases	
Unit	Starting current		Max	A				
Compressor 2	Oil		Charged volume	l				
	Speed			rpm				
	Quantity							
	Model							
	Starting current			A				
	Nominal running current (RLA)			A				
	Maximum running current			A				
	Voltage			V				
	Phase							