DAIKIN

Heating
Technical Data

ERGA04-08DVA

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ERGA04-08DVA

1 Features

- Outdoor unit extracts heat from the outdoor air, even at -25°C

Guaranteed operation down to -25°C

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHBH04D6V/ERGA04DVA**	**EHBH08D6V/ERGA06DVA**	**EHBH08D6V/ERGA08DVA**
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806	4,456	4,731
			ηs (Seasonal space heating efficiency)	%	127		128
			Prated at -10°C	kW	6.0	7.0	7.5
			SCOP		3.26	3.25	3.27
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		1.97	1.98	
			Pdh	kW	5.3	5.9	
			PERd	%	79		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.23	3.16	3.18
			Pdh	kW	3.3	3.9	4.1
			PERd	%	129	126	127
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.40	4.49	4.54
			Pdh	kW	3.0		
			PERd	%	176	180	182
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0		
			COPd		6.10		6.16
			Pdh	kW	3.3		3.7
			PERd	%	244		246
		Tol (temperature operating limit)	COPd		1.37	1.43	
			Pdh	kW	4.0	4.5	
			PERd	%	55	57	
			TOL	°C	-10		
			WTOL	°C	55		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	2.5	3.0
		Tbiv (bivalent temperature)	COPd		1.97	2.12	2.18
			Pdh	kW	5.3	6.1	6.4
			PERd	%	79	85	87
			Tbiv	°C	-7	-6	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468	5,325	7,066
			ηs (Seasonal space heating efficiency)	%	107	108	109
			Prated at -22°C	kW	5.0	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	1,858	1,983
			ηs (Seasonal space heating efficiency)	%	148	158	159
			Prated at 2°C	kW	4.7	5.6	6.0

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHBH04D6V/ERGA04DVA**	**EHBH08D6V/ERGA06DVA**	**EHBH08D6V/ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47	4.56
			Annual energy consumption	kWh	2,766	3,233	3,625
			ηs (Seasonal space heating efficiency)	%	176		179
			Prated at -10°C	kW	6.0	7.0	8.0
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86	2.77
			Pdh	kW	5.5	6.0	7.0
			PERd	%	116	114	111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.33	4.25	4.35
			Pdh	kW	3.3	3.9	4.2
			PERd	%	173	170	174
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		6.19	6.30	6.49
			Pdh	kW	3.2		3.3
			PERd	%	248	252	260
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0		
			COPd		7.78		8.52
			Pdh	kW	3.3		3.9
			PERd	%	311		341
		Tol (temperature operating limit)	COPd		2.56	2.49	2.41
			Pdh	kW	5.2	6.0	6.9
			PERd	%	102	100	96
			TOL	°C	-10		
			WTOL	°C	35		
		Tbiv (bivalent temperature)	COPd		2.90	3.07	2.66
			Pdh	kW	5.5	6.1	7.5
			PERd	%	116	123	106
			Tbiv	°C	-7	-6	-8
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	1.0	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230	3,749	5,052
			ηs (Seasonal space heating efficiency)	%	150	155	153
			Prated at -22°C	kW	5.0	6.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	-		
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276	1,437
			ηs (Seasonal space heating efficiency)	%	241	248	257
			Prated at 2°C	kW	5.2	6.0	7.0

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHBH04D6V/ERGA04DVA**	**EHBH08D6V/ERGA06DVA**	**EHBH08D6V/ERGA08DVA**
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0	2,520.0	2,770.0
	Other	Capacity control			Inverter		
		Pck (Crankcase heater mode)		kW	0.000		
		Poff (Off mode)		kW	0.010		
		Psb (Standby mode)		kW	0.010		
		Pto (Thermostat off)		kW	0.010		
	Integrated supplementary heater	Psup		kW	6.0		
		Type of energy input			Electrical		
Domestic hot water heating	Average climate	ηwh (water heating efficiency)		%	-		
	Cold climate	ηwh (water heating efficiency)		%	-		
	Warm climate	ηwh (water heating efficiency)		%	-		
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
Pump	Nominal ESP unit	Heating		kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium		
		Name or trademark			Daikin Europe N.V.		
	Product description	Air-to-water heat pump			Yes		
		Brine-to-water heat pump			No		
		Heat pump combination heater			No		
		Low-temperature heat pump			No		
		Supplementary heater integrated			Yes		
		Water-to-water heat pump			No		
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42		
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58	60	62
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHBH08D9W/ERGA06DVA**	**EHBH08D9W/ERGA08DVA**
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,456	4,731
			ηs (Seasonal space heating efficiency)	%	127	128
			Prated at -10°C	kW	7.0	7.5
			SCOP		3.25	3.27
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.98	
			Pdh	kW	5.9	
			PERd	%	79	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.16	3.18
			Pdh	kW	3.9	4.1
			PERd	%	126	127
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.49	4.54
			Pdh	kW	3.0	
			PERd	%	180	182
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	6.16
			Pdh	kW	3.3	3.7
			PERd	%	244	246
		Tol (temperature operating limit)	COPd		1.43	
			Pdh	kW	4.5	
			PERd	%	57	
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.5	3.0
		Tbiv (bivalent temperature)	COPd		2.12	2.18
			Pdh	kW	6.1	6.4
			PERd	%	85	87
			Tbiv	°C	-6	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,325	7,066
			ηs (Seasonal space heating efficiency)	%	108	109
			Prated at -22°C	kW	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858	1,983
			ηs (Seasonal space heating efficiency)	%	158	159
			Prated at 2°C	kW	5.6	6.0

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHBH08D9W/ERGA06DVA**	**EHBH08D9W/ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.47	4.56
			Annual energy consumption	kWh	3,233	3,625
			ηs (Seasonal space heating efficiency)	%	176	179
			Prated at -10°C	kW	7.0	8.0
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	COPd		2.86	2.77
			Pdh	kW	6.0	7.0
			PERd	%	114	111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.25	4.35
			Pdh	kW	3.9	4.2
			PERd	%	170	174
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.30	6.49
			Pdh	kW	3.2	3.3
			PERd	%	252	260
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		7.78	8.52
			Pdh	kW	3.3	3.9
			PERd	%	311	341
		Tol (temperature operating limit)	COPd		2.49	2.41
			Pdh	kW	6.0	6.9
			PERd	%	100	96
			TOL	°C	-10	
			WTOL	°C	35	
		Tbiv (bivalent temperature)	COPd		3.07	2.66
			Pdh	kW	6.1	7.5
			PERd	%	123	106
			Tbiv	°C	-6	-8
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749	5,052
			ηs (Seasonal space heating efficiency)	%	155	153
			Prated at -22°C	kW	6.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	-	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,276	1,437
			ηs (Seasonal space heating efficiency)	%	248	257
			Prated at 2°C	kW	6.0	7.0

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHBH08D9W/ERGA06DVA**	**EHBH08D9W/ERGA08DVA**
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,520.0	2,770.0
	Other	Capacity control			Inverter	
		Pck (Crankcase heater mode)		kW	0.000	
		Poff (Off mode)		kW	0.010	
		Psb (Standby mode)		kW	0.010	
		Pto (Thermostat off)		kW	0.010	
	Integrated supplementary heater	Psup		kW	9.0	
		Type of energy input			Electrical	
Domestic hot water heating	Average climate	ηwh (water heating efficiency)		%	-	
	Cold climate	ηwh (water heating efficiency)		%	-	
	Warm climate	ηwh (water heating efficiency)		%	-	
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
COP					4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
Pump	Nominal ESP unit	Heating		kPa	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
		Name or trademark			Daikin Europe N.V.	
	Product description	Air-to-water heat pump			Yes	
		Brine-to-water heat pump			No	
		Heat pump combination heater			No	
		Low-temperature heat pump			No	
		Supplementary heater integrated			Yes	
		Water-to-water heat pump			No	
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42	
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	60	62
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825	

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHBX04D6V/ERGA04DVA**	**EHBX08D6V/ERGA06DVA**	**EHBX08D6V/ERGA08DVA**
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769	4,419	4,694
			ηs (Seasonal space heating efficiency)	%	129	128	129
			Prated at -10°C	kW	6.0	7.0	7.5
			SCOP		3.29	3.27	3.30
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		1.97	1.98	
			Pdh	kW	5.3	5.9	
			PERd	%	79		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.23	3.16	3.18
			Pdh	kW	3.3	3.9	4.1
			PERd	%	129	126	127
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.40	4.49	4.54
			Pdh	kW	3.0		
			PERd	%	176	180	182
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0		
			COPd		6.10		6.16
			Pdh	kW	3.3		3.7
			PERd	%	244		246
		Tol (temperature operating limit)	COPd		1.37	1.43	
			Pdh	kW	4.0	4.5	
			PERd	%	55	57	
			TOL	°C	-10		
			WTOL	°C	55		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	2.5	3.0
		Tbiv (bivalent temperature)	COPd		1.97	2.12	2.18
			Pdh	kW	5.3	6.1	6.4
			PERd	%	79	85	87
			Tbiv	°C	-7	-6	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446	5,303	7,044
			ηs (Seasonal space heating efficiency)	%	108	109	
			Prated at -22°C	kW	5.0	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616	1,813	1,939
			ηs (Seasonal space heating efficiency)	%	152	162	
			Prated at 2°C	kW	4.7	5.6	6.0

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHBX04D6V/ERGA04DVA**	**EHBX08D6V/ERGA06DVA**	**EHBX08D6V/ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.54	4.52	4.61
			Annual energy consumption	kWh	2,729	3,196	3,588
			ηs (Seasonal space heating efficiency)	%	179	178	181
			Prated at -10°C	kW	6.0	7.0	8.0
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86	2.77
			Pdh	kW	5.5	6.0	7.0
			PERd	%	116	114	111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.33	4.25	4.35
			Pdh	kW	3.3	3.9	4.2
			PERd	%	173	170	174
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		6.19	6.30	6.49
			Pdh	kW	3.2		3.3
			PERd	%	248	252	260
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0		
			COPd		7.78		8.52
			Pdh	kW	3.3		3.9
			PERd	%	311		341
		Tol (temperature operating limit)	COPd		2.56	2.49	2.41
			Pdh	kW	5.2	6.0	6.9
			PERd	%	102	100	96
			TOL	°C	-10		
			WTOL	°C	35		
		Tbiv (bivalent temperature)	COPd		2.90	3.07	2.66
			Pdh	kW	5.5	6.1	7.5
			PERd	%	116	123	106
			Tbiv	°C	-7	-6	-8
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	1.0	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208	3,727	5,030
			ηs (Seasonal space heating efficiency)	%	151	156	154
			Prated at -22°C	kW	5.0	6.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	-		
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095	1,231	1,393
			ηs (Seasonal space heating efficiency)	%	251	257	266
			Prated at 2°C	kW	5.2	6.0	7.0

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHBX04D6V/ERGA04DVA**	**EHBX08D6V/ERGA06DVA**	**EHBX08D6V/ERGA08DVA**
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0	2,520.0	2,770.0
	Other	Capacity control			Inverter		
		Pck (Crankcase heater mode)		kW	0.000		
		Poff (Off mode)		kW	0.010		
		Psb (Standby mode)		kW	0.010		
		Pto (Thermostat off)		kW	0.010		
	Integrated supplementary heater	Psup		kW	6.0		
		Type of energy input			Electrical		
Domestic hot water heating	Average climate	ηwh (water heating efficiency)		%	-		
	Cold climate	ηwh (water heating efficiency)		%	-		
	Warm climate	ηwh (water heating efficiency)		%	-		
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Cooling capacity	Nom.			kW	4.86 (1) / 4.31 (2)	5.96 (1) / 4.87 (2)	6.25 (1) / 5.35 (2)
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
	Cooling	Nom.		kW	0.940 (1) / 1.14 (2)	1.06 (1) / 1.33 (2)	1.16 (1) / 1.51 (2)
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
EER					5.94 (1) / 3.84 (2)	5.61 (1) / 3.67 (2)	5.40 (1) / 3.54 (2)
Pump	Nominal ESP unit	Cooling		kPa	54.6 (1) / 59.4 (2)	52.6 (1) / 57.5 (2)	51.1 (1) / 55.5 (2)
		Heating		kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	15.9 (1) / 12.5 (2)	17.1 (1) / 14.0 (2)	17.9 (1) / 15.3 (2)
		Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium		
		Name or trademark			Daikin Europe N.V.		
	Product description	Air-to-water heat pump			Yes		
		Brine-to-water heat pump			No		
		Heat pump combination heater			No		
		Low-temperature heat pump			No		
		Supplementary heater integrated			Yes		
		Water-to-water heat pump			No		
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42		
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58	60	62
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHBX08D9W/ERGA06DVA**	**EHBX08D9W/ERGA08DVA**
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,419	4,694
			ηs (Seasonal space heating efficiency)	%	128	129
			Prated at -10°C	kW	7.0	7.5
			SCOP		3.27	3.30
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.98	
			Pdh	kW	5.9	
			PERd	%	79	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.16	3.18
			Pdh	kW	3.9	4.1
			PERd	%	126	127
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.49	4.54
			Pdh	kW	3.0	
			PERd	%	180	182
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	6.16
			Pdh	kW	3.3	3.7
			PERd	%	244	246
		Tol (temperature operating limit)	COPd		1.43	
			Pdh	kW	4.5	
			PERd	%	57	
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.5	3.0
		Tbiv (bivalent temperature)	COPd		2.12	2.18
			Pdh	kW	6.1	6.4
			PERd	%	85	87
			Tbiv	°C	-6	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,303	7,044
			ηs (Seasonal space heating efficiency)	%	109	
			Prated at -22°C	kW	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813	1,939
			ηs (Seasonal space heating efficiency)	%	162	
			Prated at 2°C	kW	5.6	6.0

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHBX08D9W/ERGA06DVA**	**EHBX08D9W/ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.52	4.61
			Annual energy consumption	kWh	3,196	3,588
			ηs (Seasonal space heating efficiency)	%	178	181
			Prated at -10°C	kW	7.0	8.0
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	COPd		2.86	2.77
			Pdh	kW	6.0	7.0
			PERd	%	114	111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.25	4.35
			Pdh	kW	3.9	4.2
			PERd	%	170	174
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.30	6.49
			Pdh	kW	3.2	3.3
			PERd	%	252	260
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		7.78	8.52
			Pdh	kW	3.3	3.9
			PERd	%	311	341
		Tol (temperature operating limit)	COPd		2.49	2.41
			Pdh	kW	6.0	6.9
			PERd	%	100	96
			TOL	°C	-10	
			WTOL	°C	35	
		Tbiv (bivalent temperature)	COPd		3.07	2.66
			Pdh	kW	6.1	7.5
			PERd	%	123	106
			Tbiv	°C	-6	-8
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727	5,030
			ηs (Seasonal space heating efficiency)	%	156	154
			Prated at -22°C	kW	6.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	-	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,231	1,393
			ηs (Seasonal space heating efficiency)	%	257	266
			Prated at 2°C	kW	6.0	7.0

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHBX08D9W/ERGA06DVA**	**EHBX08D9W/ERGA08DVA**
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,520.0	2,770.0
	Other	Capacity control			Inverter	
		Pck (Crankcase heater mode)		kW	0.000	
		Poff (Off mode)		kW	0.010	
		Psb (Standby mode)		kW	0.010	
		Pto (Thermostat off)		kW	0.010	
	Integrated supplementary heater	Psup		kW	9.0	
		Type of energy input			Electrical	
Domestic hot water heating	Average climate	ηwh (water heating efficiency)		%	-	
	Cold climate	ηwh (water heating efficiency)		%	-	
	Warm climate	ηwh (water heating efficiency)		%	-	
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Cooling capacity	Nom.			kW	5.96 (1) / 4.87 (2)	6.25 (1) / 5.35 (2)
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
	Cooling	Nom.		kW	1.06 (1) / 1.33 (2)	1.16 (1) / 1.51 (2)
COP					4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
EER					5.61 (1) / 3.67 (2)	5.40 (1) / 3.54 (2)
Pump	Nominal ESP unit	Cooling		kPa	52.6 (1) / 57.5 (2)	51.1 (1) / 55.5 (2)
		Heating		kPa	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	17.1 (1) / 14.0 (2)	17.9 (1) / 15.3 (2)
		Heating	Nom.	l/min	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
		Name or trademark			Daikin Europe N.V.	
	Product description	Air-to-water heat pump			Yes	
		Brine-to-water heat pump			No	
		Heat pump combination heater			No	
		Low-temperature heat pump			No	
		Supplementary heater integrated			Yes	
		Water-to-water heat pump			No	
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42	
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	60	62
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825	

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHVH04S23DV/ ERGA04DVA**	**EHVH08S23DV/ ERGA06DVA**	**EHVH08S23DV/ ERGA08DVA**
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806	4,456	4,731
			ηs (Seasonal space heating efficiency)	%	127		128
			Prated at -10°C	kW	6.0	7.0	7.5
			SCOP		3.26	3.25	3.27
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		1.97	1.98	
			Pdh	kW	5.3	5.9	
			PERd	%	79		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.23	3.16	3.18
			Pdh	kW	3.3	3.9	4.1
			PERd	%	129	126	127
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.40	4.49	4.54
			Pdh	kW	3.0		
			PERd	%	176	180	182
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0		
			COPd		6.10		6.16
			Pdh	kW	3.3		3.7
			PERd	%	244		246
		Tol (temperature operating limit)	COPd		1.37	1.43	
			Pdh	kW	4.0	4.5	
			PERd	%	55	57	
			TOL	°C	-10		
			WTOL	°C	55		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	2.5	3.0
		Tbiv (bivalent temperature)	COPd		1.97	2.12	2.18
			Pdh	kW	5.3	6.1	6.4
			PERd	%	79	85	87
			Tbiv	°C	-7	-6	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468	5,325	7,066
			ηs (Seasonal space heating efficiency)	%	107	108	109
			Prated at -22°C	kW	5.0	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	1,858	1,983
			ηs (Seasonal space heating efficiency)	%	148	158	159
			Prated at 2°C	kW	4.7	5.6	6.0

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHVH04S23DV/ ERGA04DVA**	**EHVH08S23DV/ ERGA06DVA**	**EHVH08S23DV/ ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47	4.56
			Annual energy consumption	kWh	2,766	3,233	3,625
			ηs (Seasonal space heating efficiency)	%	176		179
			Prated at -10°C	kW	6.0	7.0	8.0
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86	2.77
			Pdh	kW	5.5	6.0	7.0
			PERd	%	116	114	111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.33	4.25	4.35
			Pdh	kW	3.3	3.9	4.2
			PERd	%	173	170	174
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		6.19	6.30	6.49
			Pdh	kW	3.2		3.3
			PERd	%	248	252	260
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0		
			COPd		7.78		8.52
			Pdh	kW	3.3		3.9
			PERd	%	311		341
		Tol (temperature operating limit)	COPd		2.56	2.49	2.41
			Pdh	kW	5.2	6.0	6.9
			PERd	%	102	100	96
			TOL	°C	-10		
			WTOL	°C	35		
		Tbiv (bivalent temperature)	COPd		2.90	2.49	2.66
			Pdh	kW	5.5	6.0	7.5
			PERd	%	116	100	106
			Tbiv	°C	-7	-6	-8
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	1.0	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230	3,749	5,052
			ηs (Seasonal space heating efficiency)	%	150	155	153
			Prated at -22°C	kW	5.0	6.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	-		
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276	1,437
			ηs (Seasonal space heating efficiency)	%	241	248	257
			Prated at 2°C	kW	5.2	6.0	7.0
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0	2,520.0	2,770.0
	Other	Capacity control			Inverter		
		Pck (Crankcase heater mode)		kW	0.000		
		Poff (Off mode)		kW	0.010		
		Psb (Standby mode)		kW	0.010		
		Pto (Thermostat off)		kW	0.010		

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHVH04S23DV/ ERGA04DVA**	**EHVH08S23DV/ ERGA06DVA**	**EHVH08S23DV/ ERGA08DVA**
Domestic hot water heating	General	Declared load profile			XL		
		Function to fix water heating during off peak hours			No		
	Average climate	AEC (Annual electricity consumption)		kWh	1,252		
		ηwh (water heating efficiency)		%	134		
		Qfuel (Daily fuel consumption)		kWh	5.820		
		Water heating energy efficiency class			A		
	Cold climate	AEC (Annual electricity consumption)		kWh	1,457		
		ηwh (water heating efficiency)		%	115		
		Qelec (Daily electricity consumption)		kWh	6.760		
	Warm climate	AEC (Annual electricity consumption)		kWh	1,033		
		ηwh (water heating efficiency)		%	163		
		Qelec (Daily electricity consumption)		kWh	4.810		
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
	Domestic hot water from 10°C to 50°C	Nom.		kWh	3.01		
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
Pump	Nominal ESP unit	Heating		kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium		
		Name or trademark			Daikin Europe N.V.		
	Product description	Air-to-water heat pump			Yes		
		Brine-to-water heat pump			No		
		Heat pump combination heater			No		
		Low-temperature heat pump			No		
		Supplementary heater integrated			Yes		
		Water-to-water heat pump			No		
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42		
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58	60	62
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		
Heat up time from 10°C to 50°C				hr	1h40min		

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHVH04S23DVG/ ERGA04DVA**	**EHVH08S23DVG/ ERGA06DVA**	**EHVH08S23DVG/ ERGA08DVA**
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806	4,456	4,731
			ηs (Seasonal space heating efficiency)	%	127		128
			Prated at -10°C	kW	6.0	7.0	7.5
			SCOP		3.26	3.25	3.27
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		1.97	1.98	
			Pdh	kW	5.3	5.9	
			PERd	%	79		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.23	3.16	3.18
			Pdh	kW	3.3	3.9	4.1
			PERd	%	129	126	127
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.40	4.49	4.54
			Pdh	kW	3.0		
			PERd	%	176	180	182
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0		
			COPd		6.10		6.16
			Pdh	kW	3.3		3.7
			PERd	%	244		246
		Tol (temperature operating limit)	COPd		1.37	1.43	
			Pdh	kW	4.0	4.5	
			PERd	%	55	57	
			TOL	°C	-10		
			WTOL	°C	55		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	2.5	3.0
		Tbiv (bivalent temperature)	COPd		1.97	2.12	2.18
			Pdh	kW	5.3	6.1	6.4
			PERd	%	79	85	87
			Tbiv	°C	-7	-6	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468	5,325	7,066
			ηs (Seasonal space heating efficiency)	%	107	108	109
			Prated at -22°C	kW	5.0	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	1,858	1,983
			ηs (Seasonal space heating efficiency)	%	148	158	159
			Prated at 2°C	kW	4.7	5.6	6.0

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHVH04S23DVG/ ERGA04DVA**	**EHVH08S23DVG/ ERGA06DVA**	**EHVH08S23DVG/ ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47	4.56
			Annual energy consumption	kWh	2,766	3,233	3,625
			ηs (Seasonal space heating efficiency)	%	176		179
			Prated at -10°C	kW	6.0	7.0	8.0
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86	2.77
			Pdh	kW	5.5	6.0	7.0
			PERd	%	116	114	111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.33	4.25	4.35
			Pdh	kW	3.3	3.9	4.2
			PERd	%	173	170	174
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		6.19	6.30	6.49
			Pdh	kW	3.2		3.3
			PERd	%	248	252	260
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0		
			COPd		7.78		8.52
			Pdh	kW	3.3		3.9
			PERd	%	311		341
		Tol (temperature operating limit)	COPd		2.56	2.49	2.41
			Pdh	kW	5.2	6.0	6.9
			PERd	%	102	100	96
			TOL	°C	-10		
			WTOL	°C	35		
		Tbiv (bivalent temperature)	COPd		2.90	2.49	2.66
			Pdh	kW	5.5	6.0	7.5
			PERd	%	116	100	106
			Tbiv	°C	-7	-6	-8
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	1.0	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230	3,749	5,052
			ηs (Seasonal space heating efficiency)	%	150	155	153
			Prated at -22°C	kW	5.0	6.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	-		
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276	1,437
			ηs (Seasonal space heating efficiency)	%	241	248	257
			Prated at 2°C	kW	5.2	6.0	7.0
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0	2,520.0	2,770.0
	Other	Capacity control			Inverter		
		Pck (Crankcase heater mode)		kW	0.000		
		Poff (Off mode)		kW	0.010		
		Psb (Standby mode)		kW	0.010		
		Pto (Thermostat off)		kW	0.010		

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EHVH04S23DVG/ ERGA04DVA**	**EHVH08S23DVG/ ERGA06DVA**	**EHVH08S23DVG/ ERGA08DVA**
Domestic hot water heating	General	Declared load profile			XL		
		Function to fix water heating during off peak hours			No		
	Average climate	AEC (Annual electricity consumption)		kWh	1,252		
		ηwh (water heating efficiency)		%	134		
		Qfuel (Daily fuel consumption)		kWh	5.820		
		Water heating energy efficiency class			A		
	Cold climate	AEC (Annual electricity consumption)		kWh	1,457		
		ηwh (water heating efficiency)		%	115		
		Qelec (Daily electricity consumption)		kWh	6.760		
	Warm climate	AEC (Annual electricity consumption)		kWh	1,033		
		ηwh (water heating efficiency)		%	163		
		Qelec (Daily electricity consumption)		kWh	4.810		
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
	Domestic hot water from 10°C to 50°C	Nom.		kWh	3.01		
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
Pump	Nominal ESP unit	Heating		kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium		
		Name or trademark			Daikin Europe N.V.		
	Product description	Air-to-water heat pump			Yes		
		Brine-to-water heat pump			No		
		Heat pump combination heater			No		
		Low-temperature heat pump			No		
		Supplementary heater integrated			Yes		
		Water-to-water heat pump			No		
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42		
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58	60	62
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		
Heat up time from 10°C to 50°C				hr	1h40min		

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHVH04S18D6V/ ERGA04DVA	EHVH04S23D6V/ ERGA04DVA	EHVH08S18D6V/ ERGA06DVA	EHVH08S23D6V/ ERGA06DVA	EHVH08S18D6V/ ERGA08DVA	EHVH08S23D6V/ ERGA08DVA
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806		4,456		4,731	
			ηs (Seasonal space heating efficiency)	%	127				128	
			Prated at -10°C	kW	6.0		7.0		7.5	
			SCOP		3.26		3.25		3.27	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		1.97		1.98			
			Pdh	kW	5.3		5.9			
			PERd	%	79					
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.23		3.16		3.18	
			Pdh	kW	3.3		3.9		4.1	
			PERd	%	129		126		127	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.40		4.49		4.54	
			Pdh	kW	3.0					
			PERd	%	176		180		182	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.10				6.16	
			Pdh	kW	3.3				3.7	
			PERd	%	244				246	
		Tol (temperature operating limit)	COPd		1.37		1.43			
			Pdh	kW	4.0		4.5			
			PERd	%	55		57			
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0		2.5		3.0	
		Tbiv (bivalent temperature)	COPd		1.97		2.12		2.18	
			Pdh	kW	5.3		6.1		6.4	
			PERd	%	79		85		87	
			Tbiv	°C	-7		-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468		5,325		7,066	
			ηs (Seasonal space heating efficiency)	%	107		108		109	
			Prated at -22°C	kW	5.0		6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660		1,858		1,983	
			ηs (Seasonal space heating efficiency)	%	148		158		159	
			Prated at 2°C	kW	4.7		6.0	5.6	6.0	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHVH04S18D6V/ ERGA04DVA	EHVH04S23D6V/ ERGA04DVA	EHVH08S18D6V/ ERGA06DVA	EHVH08S23D6V/ ERGA06DVA	EHVH08S18D6V/ ERGA08DVA	EHVH08S23D6V/ ERGA08DVA
Space heating	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			Annual energy consumption	kWh	2,766		3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Prated at -10°C	kW	6.0		7.0		8.0	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77	
			Pdh	kW	5.5		6.0		7.0	
			PERd	%	116		114		111	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.33		4.25		4.35	
			Pdh	kW	3.3		3.9		4.2	
			PERd	%	173		170		174	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.19		6.30		6.49	
			Pdh	kW	3.2				3.3	
			PERd	%	248		252		260	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		7.78				8.52	
			Pdh	kW	3.3				3.9	
			PERd	%	311				341	
		Tol (temperature operating limit)	COPd		2.56		2.49		2.41	
			Pdh	kW	5.2		6.0		6.9	
			PERd	%	102		100		96	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.90		3.07	2.49	2.66	
			Pdh	kW	5.5		6.1	6.0	7.5	
			PERd	%	116		123	100	106	
			Tbiv	°C	-7		-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8		1.0			
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230		3,749		5,052	
			ηs (Seasonal space heating efficiency)	%	150		155		153	
			Prated at -22°C	kW	5.0		6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	-					
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139		1,276		1,437	
			ηs (Seasonal space heating efficiency)	%	241		248		257	
			Prated at 2°C	kW	5.2		6.0		7.0	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHVH04S18D6V/ ERGA04DVA	EHVH04S23D6V/ ERGA04DVA	EHVH08S18D6V/ ERGA06DVA	EHVH08S23D6V/ ERGA06DVA	EHVH08S18D6V/ ERGA08DVA	EHVH08S23D6V/ ERGA08DVA
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0		2,770.0	2,520.0	2,770.0	
	Other	Capacity control			Inverter					
		Pck (Crankcase heater mode)		kW	0.000					
		Poff (Off mode)		kW	0.010					
		Psb (Standby mode)		kW	0.010					
		Pto (Thermostat off)		kW	0.010					
	Integrated supplementary heater	Psup		kW	6.0					
		Type of energy input			Electrical					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours			No					
	Average climate	AEC (Annual electricity consumption)		kWh	822	1,267	822	1,267	822	1,267
		ηwh (water heating efficiency)		%	125	133	125	133	125	133
		Qfuel (Daily fuel consumption)		kWh	3.870	5.900	3.870	5.900	3.870	5.900
		Water heating energy efficiency class			A					
	Cold climate	AEC (Annual electricity consumption)		kWh	951	1,475	951	1,475	951	1,475
		ηwh (water heating efficiency)		%	107	114	107	114	107	114
		Qelec (Daily electricity consumption)		kWh	4.480	3.860	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)		kWh	680	1,046	680	1,046	680	1,046
		ηwh (water heating efficiency)		%	151	161	151	161	151	161
		Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880	3.220	4.880
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		7.50 (1) / 7.80 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)		1.63 (1) / 2.23 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01	2.48	3.01	2.48	3.01
COP					5.10 (1) / 3.65 (2)		4.60 (1) / 3.50 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)	
Pump	Nominal ESP unit	Heating		kPa	59.6 (1) / 58.6 (2)		43.3 (1) / 41.2 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)		21.5 (1) / 22.4 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark			Daikin Europe N.V.					
	Product description	Air-to-water heat pump			Yes					
		Brine-to-water heat pump			No					
		Heat pump combination heater			No					
		Low-temperature heat pump			No					
		Supplementary heater integrated			Yes					
		Water-to-water heat pump			No					
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42					
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58		60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS												
2-1 Capacity and Power input					EHVH04S18D6VG/ ERGA04DVA	EHVH04S23D6VG/ ERGA04DVA	EHVH08S18D6VG/ ERGA06DVA	EHVH08S23D6VG/ ERGA06DVA	EHVH08S18D6VG/ ERGA08DVA	EHVH08S23D6VG/ ERGA08DVA
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806		4,456		4,731	
			ηs (Seasonal space heating efficiency)	%	127				128	
			Prated at -10°C	kW	6.0		7.0		7.5	
			SCOP		3.26		3.25		3.27	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		1.97		1.98			
			Pdh	kW	5.3		5.9			
			PERd	%	79					
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.23		3.16		3.18	
			Pdh	kW	3.3		3.9		4.1	
			PERd	%	129		126		127	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.40		4.49		4.54	
			Pdh	kW	3.0					
			PERd	%	176		180		182	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.10				6.16	
			Pdh	kW	3.3				3.7	
			PERd	%	244				246	
		Tol (temperature operating limit)	COPd		1.37		1.43			
			Pdh	kW	4.0		4.5			
			PERd	%	55		57			
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0		2.5		3.0	
		Tbiv (bivalent temperature)	COPd		1.97		2.12		2.18	
			Pdh	kW	5.3		6.1		6.4	
			PERd	%	79		85		87	
			Tbiv	°C	-7		-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468		5,325		7,066	
			ηs (Seasonal space heating efficiency)	%	107		108		109	
			Prated at -22°C	kW	5.0		6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660		1,858		1,983	
			ηs (Seasonal space heating efficiency)	%	148		158		159	
			Prated at 2°C	kW	4.7		6.0	5.6	6.0	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHVH04S18D6VG/ ERGA04DVA	EHVH04S23D6VG/ ERGA04DVA	EHVH08S18D6VG/ ERGA06DVA	EHVH08S23D6VG/ ERGA06DVA	EHVH08S18D6VG/ ERGA08DVA	EHVH08S23D6VG/ ERGA08DVA
Space heating	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			Annual energy consumption	kWh	2,766		3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Prated at -10°C	kW	6.0		7.0		8.0	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77	
			Pdh	kW	5.5		6.0		7.0	
			PERd	%	116		114		111	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.33		4.25		4.35	
			Pdh	kW	3.3		3.9		4.2	
			PERd	%	173		170		174	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.19		6.30		6.49	
			Pdh	kW	3.2				3.3	
			PERd	%	248		252		260	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		7.78				8.52	
			Pdh	kW	3.3				3.9	
			PERd	%	311				341	
		Tol (temperature operating limit)	COPd		2.56		2.49		2.41	
			Pdh	kW	5.2		6.0		6.9	
			PERd	%	102		100		96	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.90		3.07	2.49	2.66	
			Pdh	kW	5.5		6.1	6.0	7.5	
			PERd	%	116		123	100	106	
			Tbiv	°C	-7		-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8		1.0			
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230		3,749		5,052	
			ηs (Seasonal space heating efficiency)	%	150		155		153	
			Prated at -22°C	kW	5.0		6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	-					
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139		1,276		1,437	
			ηs (Seasonal space heating efficiency)	%	241		248		257	
			Prated at 2°C	kW	5.2		6.0		7.0	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHVH04S18D6VG/ ERGA04DVA	EHVH04S23D6VG/ ERGA04DVA	EHVH08S18D6VG/ ERGA06DVA	EHVH08S23D6VG/ ERGA06DVA	EHVH08S18D6VG/ ERGA08DVA	EHVH08S23D6VG/ ERGA08DVA
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0		2,770.0	2,520.0	2,770.0	
	Other	Capacity control			Inverter					
		Pck (Crankcase heater mode)		kW	0.000					
		Poff (Off mode)		kW	0.010					
		Psb (Standby mode)		kW	0.010					
		Pto (Thermostat off)		kW	0.010					
	Integrated supplementary heater	Psup		kW	6.0					
		Type of energy input			Electrical					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours			No					
	Average climate	AEC (Annual electricity consumption)		kWh	822	1,267	822	1,267	822	1,267
		ηwh (water heating efficiency)		%	125	133	125	133	125	133
		Qfuel (Daily fuel consumption)		kWh	3.870	5.900	3.870	5.900	3.870	5.900
		Water heating energy efficiency class			A					
	Cold climate	AEC (Annual electricity consumption)		kWh	951	1,475	951	1,475	951	1,475
		ηwh (water heating efficiency)		%	107	114	107	114	107	114
		Qelec (Daily electricity consumption)		kWh	4.480	3.860	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)		kWh	680	1,046	680	1,046	680	1,046
		ηwh (water heating efficiency)		%	151	161	151	161	151	161
		Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880	3.220	4.880
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		7.50 (1) / 7.80 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)		1.63 (1) / 2.23 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01	2.48	3.01	2.48	3.01
COP					5.10 (1) / 3.65 (2)		4.60 (1) / 3.50 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)	
Pump	Nominal ESP unit	Heating		kPa	59.6 (1) / 58.6 (2)		43.3 (1) / 41.2 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)		21.5 (1) / 22.4 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark			Daikin Europe N.V.					
	Product description	Air-to-water heat pump			Yes					
		Brine-to-water heat pump			No					
		Heat pump combination heater			No					
		Low-temperature heat pump			No					
		Supplementary heater integrated			Yes					
		Water-to-water heat pump			No					
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42					
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58		60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVH08S18D9W/ ERGA06DVA**	**EHVH08S23D9W/ ERGA06DVA**	**EHVH08S18D9W/ ERGA08DVA**	**EHVH08S23D9W/ ERGA08DVA**
Space heating	Average climate water outlet 55°C	General	SCOP		3.25		3.27	
			Annual energy consumption	kWh	4,456		4,731	
			ηs (Seasonal space heating efficiency)	%	127		128	
			Prated at -10°C	kW	7.0		7.5	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98			
			Pdh	kW	5.9			
			PERd	%	79			
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.18	
			Pdh	kW	3.9		4.1	
			PERd	%	126		127	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.54	
			Pdh	kW	3.0			
			PERd	%	180		182	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.16	
			Pdh	kW	3.3		3.7	
			PERd	%	244		246	
		Tol (temperature operating limit)	COPd		1.43			
			Pdh	kW	4.5			
			PERd	%	57			
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.5		3.0	
		Tbiv (bivalent temperature)	COPd		2.12		2.18	
			Pdh	kW	6.1		6.4	
			PERd	%	85		87	
			Tbiv	°C	-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,325		7,066	
			ηs (Seasonal space heating efficiency)	%	108		109	
			Prated at -22°C	kW	6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		1,983	
			ηs (Seasonal space heating efficiency)	%	158		159	
			Prated at 2°C	kW	6.0	5.6	6.0	

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVH08S18D9W/ ERGA06DVA**	**EHVH08S23D9W/ ERGA06DVA**	**EHVH08S18D9W/ ERGA08DVA**	**EHVH08S23D9W/ ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.47		4.56	
			Annual energy consumption	kWh	3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176		179	
			Prated at -10°C	kW	7.0		8.0	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114		111	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170		174	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
			PERd	%	252		260	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	
			PERd	%	311		341	
		Tol (temperature operating limit)	COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
			PERd	%	100		96	
			TOL	°C	-10			
			WTOL	°C	35			
		Tbiv (bivalent temperature)	COPd		3.07	2.49	2.66	
			Pdh	kW	6.1	6.0	7.5	
			PERd	%	123	100	106	
			Tbiv	°C	-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0			
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,052	
			ηs (Seasonal space heating efficiency)	%	155		153	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	-			
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,276		1,437	
			ηs (Seasonal space heating efficiency)	%	248		257	
			Prated at 2°C	kW	6.0		7.0	

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVH08S18D9W/ ERGA06DVA**	**EHVH08S23D9W/ ERGA06DVA**	**EHVH08S18D9W/ ERGA08DVA**	**EHVH08S23D9W/ ERGA08DVA**
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,770.0	2,520.0	2,770.0	
	Brine/water to water unit	Rated water/brine flow		m³/h	0.0	-		
	Other	Capacity control			Inverter			
		Pck (Crankcase heater mode)		kW	0.000			
		Poff (Off mode)		kW	0.010			
		Psb (Standby mode)		kW	0.010			
		Pto (Thermostat off)		kW	0.010			
	Integrated supplementary heater	Psup		kW	9.0			
		Type of energy input			-	Electrical		
Domestic hot water heating	General	Declared load profile			L	XL	L	XL
		Function to fix water heating during off peak hours			Yes	No		
	Average climate	AEC (Annual electricity consumption)		kWh	822	1,267	822	1,267
		ηwh (water heating efficiency)		%	125	133	125	133
		Qfuel (Daily fuel consumption)		kWh	3.870	5.900	3.870	5.900
		Water heating energy efficiency class			A			
	Cold climate	AEC (Annual electricity consumption)		kWh	951	1,475	951	1,475
		ηwh (water heating efficiency)		%	107	114	107	114
		Qelec (Daily electricity consumption)		kWh	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)		kWh	680	1,046	680	1,046
		ηwh (water heating efficiency)		%	151	161	151	161
		Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01	2.48	3.01
COP					4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Pump	Nominal ESP unit	Heating		kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium			
		Name or trademark			Daikin Europe N.V.			
	Product description	Air-to-water heat pump			Yes			
		Brine-to-water heat pump			No			
		Heat pump combination heater			No			
		Low-temperature heat pump			No			
		Supplementary heater integrated			Yes			
		Water-to-water heat pump			No			
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42			
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825			
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVH08S18D9WG/ ERGA06DVA**	**EHVH08S23D9WG/ ERGA06DVA**	**EHVH08S18D9WG/ ERGA08DVA**	**EHVH08S23D9WG/ ERGA08DVA**
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,456		4,731	
			ηs (Seasonal space heating efficiency)	%	127		128	
			Prated at -10°C	kW	7.0		7.5	
			SCOP		3.25		3.27	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98			
			Pdh	kW	5.9			
			PERd	%	79			
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.18	
			Pdh	kW	3.9		4.1	
			PERd	%	126		127	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.54	
			Pdh	kW	3.0			
			PERd	%	180		182	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.16	
			Pdh	kW	3.3		3.7	
			PERd	%	244		246	
		Tol (temperature operating limit)	COPd		1.43			
			Pdh	kW	4.5			
			PERd	%	57			
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.5		3.0	
		Tbiv (bivalent temperature)	COPd		2.12		2.18	
			Pdh	kW	6.1		6.4	
			PERd	%	85		87	
			Tbiv	°C	-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,325		7,066	
			ηs (Seasonal space heating efficiency)	%	108		109	
			Prated at -22°C	kW	6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		1,983	
			ηs (Seasonal space heating efficiency)	%	158		159	
			Prated at 2°C	kW	6.0	5.6	6.0	

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVH08S18D9WG/ ERGA06DVA**	**EHVH08S23D9WG/ ERGA06DVA**	**EHVH08S18D9WG/ ERGA08DVA**	**EHVH08S23D9WG/ ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.47		4.56	
			Annual energy consumption	kWh	3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176		179	
			Prated at -10°C	kW	7.0		8.0	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114		111	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170		174	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
			PERd	%	252		260	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	
			PERd	%	311		341	
		Tol (temperature operating limit)	COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
			PERd	%	100		96	
			TOL	°C	-10			
			WTOL	°C	35			
		Tbiv (bivalent temperature)	COPd		3.07	2.49	2.66	
			Pdh	kW	6.1	6.0	7.5	
			PERd	%	123	100	106	
			Tbiv	°C	-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0			
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,052	
			ηs (Seasonal space heating efficiency)	%	155		153	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	-			
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,276		1,437	
			ηs (Seasonal space heating efficiency)	%	248		257	
			Prated at 2°C	kW	6.0		7.0	

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVH08S18D9WG/ ERGA06DVA**	**EHVH08S23D9WG/ ERGA06DVA**	**EHVH08S18D9WG/ ERGA08DVA**	**EHVH08S23D9WG/ ERGA08DVA**
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,770.0	2,520.0	2,770.0	
	Other	Capacity control			Inverter			
		Pck (Crankcase heater mode)		kW	0.000			
		Poff (Off mode)		kW	0.010			
		Psb (Standby mode)		kW	0.010			
		Pto (Thermostat off)		kW	0.010			
	Integrated supplementary heater	Psup		kW	9.0			
		Type of energy input			Electrical			
Domestic hot water heating	General	Declared load profile			L	XL	L	XL
		Function to fix water heating during off peak hours			No			
	Average climate	AEC (Annual electricity consumption)		kWh	822	1,267	822	1,267
		ηwh (water heating efficiency)		%	125	133	125	133
		Qfuel (Daily fuel consumption)		kWh	3.870	5.900	3.870	5.900
		Water heating energy efficiency class			A			
	Cold climate	AEC (Annual electricity consumption)		kWh	951	1,475	951	1,475
		ηwh (water heating efficiency)		%	107	114	107	114
		Qelec (Daily electricity consumption)		kWh	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)		kWh	680	1,046	680	1,046
		ηwh (water heating efficiency)		%	151	161	151	161
		Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01	2.48	3.01
COP					4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Pump	Nominal ESP unit	Heating		kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium			
		Name or trademark			Daikin Europe N.V.			
	Product description	Air-to-water heat pump			Yes			
		Brine-to-water heat pump			No			
		Heat pump combination heater			No			
		Low-temperature heat pump			No			
		Supplementary heater integrated			Yes			
		Water-to-water heat pump			No			
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42			
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825			
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHVX04S18D3V/ERGA04DVA**	**EHVX04S23D3V/ERGA04DVA**
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769	
			ηs (Seasonal space heating efficiency)	%	129	
			Prated at -10°C	kW	6.0	
			SCOP		3.29	
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	79	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.23	
			Pdh	kW	3.3	
			PERd	%	129	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.40	
			Pdh	kW	3.0	
			PERd	%	176	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	
			Pdh	kW	3.3	
			PERd	%	244	
		Tol (temperature operating limit)	COPd		1.37	
			Pdh	kW	4.0	
			PERd	%	55	
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	
		Tbiv (bivalent temperature)	COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	79	
			Tbiv	°C	-7	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446	
			ηs (Seasonal space heating efficiency)	%	108	
			Prated at -22°C	kW	5.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616	
			ηs (Seasonal space heating efficiency)	%	152	
			Prated at 2°C	kW	4.7	

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHVX04S18D3V/ERGA04DVA**	**EHVX04S23D3V/ERGA04DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.54	
			Annual energy consumption	kWh	2,729	
			ηs (Seasonal space heating efficiency)	%	179	
			Prated at -10°C	kW	6.0	
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	
			Pdh	kW	5.5	
			PERd	%	116	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.33	
			Pdh	kW	3.3	
			PERd	%	173	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.19	
			Pdh	kW	3.2	
			PERd	%	248	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		7.78	
			Pdh	kW	3.3	
			PERd	%	311	
		Tol (temperature operating limit)	COPd		2.56	
			Pdh	kW	5.2	
			PERd	%	102	
			TOL	°C	-10	
			WTOL	°C	35	
		Tbiv (bivalent temperature)	COPd		2.90	
			Pdh	kW	5.5	
			PERd	%	116	
			Tbiv	°C	-7	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208	
			ηs (Seasonal space heating efficiency)	%	151	
			Prated at -22°C	kW	5.0	
			Qhe Annual energy consumption (GCV)	Gj	-	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095	
			ηs (Seasonal space heating efficiency)	%	251	
			Prated at 2°C	kW	5.2	

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHVX04S18D3V/ERGA04DVA**	**EHVX04S23D3V/ERGA04DVA**
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0	
	Other	Capacity control			Inverter	
		Pck (Crankcase heater mode)		kW	0.000	
		Poff (Off mode)		kW	0.010	
		Psb (Standby mode)		kW	0.010	
		Pto (Thermostat off)		kW	0.010	
	Integrated supplementary heater	Psup		kW	3.0	
		Type of energy input			Electrical	
Domestic hot water heating	General	Declared load profile			L	XL
		Function to fix water heating during off peak hours			No	
	Average climate	AEC (Annual electricity consumption)		kWh	805	1,252
		ηwh (water heating efficiency)		%	127	134
		Qfuel (Daily fuel consumption)		kWh	3.780	5.820
		Water heating energy efficiency class			A	
	Cold climate	AEC (Annual electricity consumption)		kWh	932	1,457
		ηwh (water heating efficiency)		%	110	115
		Qelec (Daily electricity consumption)		kWh	4.370	6.760
	Warm climate	AEC (Annual electricity consumption)		kWh	668	1,033
		ηwh (water heating efficiency)		%	154	163
		Qelec (Daily electricity consumption)		kWh	3.150	4.810
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.31 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	
	Cooling	Nom.		kW	0.940 (1) / 1.14 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01
COP					5.10 (1) / 3.65 (2)	
EER					5.94 (1) / 3.84 (2)	
Pump	Nominal ESP unit	Cooling		kPa	54.6 (1) / 59.4 (2)	
		Heating		kPa	59.6 (1) / 58.6 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	15.9 (1) / 12.5 (2)	
		Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
		Name or trademark			Daikin Europe N.V.	
	Product description	Air-to-water heat pump			Yes	
		Brine-to-water heat pump			No	
		Heat pump combination heater			No	
		Low-temperature heat pump			No	
		Supplementary heater integrated			Yes	
		Water-to-water heat pump			No	
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42	
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825	
Heat up time from 10°C to 50°C				hr	1h28min	1h40min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHVX04S18D3VG/ERGA04DVA**	**EHVX04S23D3VG/ERGA04DVA**
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769	
			ηs (Seasonal space heating efficiency)	%	129	
			Prated at -10°C	kW	6.0	
			SCOP		3.29	
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	79	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.23	
			Pdh	kW	3.3	
			PERd	%	129	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.40	
			Pdh	kW	3.0	
			PERd	%	176	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	
			Pdh	kW	3.3	
			PERd	%	244	
		Tol (temperature operating limit)	COPd		1.37	
			Pdh	kW	4.0	
			PERd	%	55	
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	
		Tbiv (bivalent temperature)	COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	79	
			Tbiv	°C	-7	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446	
			ηs (Seasonal space heating efficiency)	%	108	
			Prated at -22°C	kW	5.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616	
			ηs (Seasonal space heating efficiency)	%	152	
			Prated at 2°C	kW	4.7	

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHVX04S18D3VG/ERGA04DVA**	**EHVX04S23D3VG/ERGA04DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.54	
			Annual energy consumption	kWh	2,729	
			ηs (Seasonal space heating efficiency)	%	179	
			Prated at -10°C	kW	6.0	
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	
			Pdh	kW	5.5	
			PERd	%	116	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.33	
			Pdh	kW	3.3	
			PERd	%	173	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.19	
			Pdh	kW	3.2	
			PERd	%	248	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		7.78	
			Pdh	kW	3.3	
			PERd	%	311	
		Tol (temperature operating limit)	COPd		2.56	
			Pdh	kW	5.2	
			PERd	%	102	
			TOL	°C	-10	
			WTOL	°C	35	
		Tbiv (bivalent temperature)	COPd		2.90	
			Pdh	kW	5.5	
			PERd	%	116	
			Tbiv	°C	-7	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208	
			ηs (Seasonal space heating efficiency)	%	151	
			Prated at -22°C	kW	5.0	
			Qhe Annual energy consumption (GCV)	Gj	-	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095	
			ηs (Seasonal space heating efficiency)	%	251	
			Prated at 2°C	kW	5.2	

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input					**EHVX04S18D3VG/ERGA04DVA**	**EHVX04S23D3VG/ERGA04DVA**
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0	
	Other	Capacity control			Inverter	
		Pck (Crankcase heater mode)		kW	0.000	
		Poff (Off mode)		kW	0.010	
		Psb (Standby mode)		kW	0.010	
		Pto (Thermostat off)		kW	0.010	
	Integrated supplementary heater	Psup		kW	3.0	
		Type of energy input			Electrical	
Domestic hot water heating	General	Declared load profile			L	XL
		Function to fix water heating during off peak hours			No	
	Average climate	AEC (Annual electricity consumption)		kWh	805	1,252
		ηwh (water heating efficiency)		%	127	134
		Qfuel (Daily fuel consumption)		kWh	3.780	5.820
		Water heating energy efficiency class			A	
	Cold climate	AEC (Annual electricity consumption)		kWh	932	1,457
		ηwh (water heating efficiency)		%	110	115
		Qelec (Daily electricity consumption)		kWh	4.370	6.760
	Warm climate	AEC (Annual electricity consumption)		kWh	668	1,033
		ηwh (water heating efficiency)		%	154	163
		Qelec (Daily electricity consumption)		kWh	3.150	4.810
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.31 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	
	Cooling	Nom.		kW	0.940 (1) / 1.14 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01
COP					5.10 (1) / 3.65 (2)	
EER					5.94 (1) / 3.84 (2)	
Pump	Nominal ESP unit	Cooling		kPa	54.6 (1) / 59.4 (2)	
		Heating		kPa	59.6 (1) / 58.6 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	15.9 (1) / 12.5 (2)	
		Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
		Name or trademark			Daikin Europe N.V.	
	Product description	Air-to-water heat pump			Yes	
		Brine-to-water heat pump			No	
		Heat pump combination heater			No	
		Low-temperature heat pump			No	
		Supplementary heater integrated			Yes	
		Water-to-water heat pump			No	
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42	
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825	
Heat up time from 10°C to 50°C				hr	1h28min	1h40min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHVX04S18D6V/ ERGA04DVA	EHVX04S23D6V/ ERGA04DVA	EHVX08S18D6V/ ERGA06DVA	EHVX08S23D6V/ ERGA06DVA	EHVX08S18D6V/ ERGA08DVA	EHVX08S23D6V/ ERGA08DVA
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769		4,419		4,694	
			ηs (Seasonal space heating efficiency)	%	129		128		129	
			Prated at -10°C	kW	6.0		7.0		7.5	
			SCOP		3.29		3.27		3.30	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		1.97		1.98			
			Pdh	kW	5.3		5.9			
			PERd	%	79					
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.23		3.16		3.18	
			Pdh	kW	3.3		3.9		4.1	
			PERd	%	129		126		127	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.40		4.49		4.54	
			Pdh	kW	3.0					
			PERd	%	176		180		182	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.10				6.16	
			Pdh	kW	3.3				3.7	
			PERd	%	244				246	
		Tol (temperature operating limit)	COPd		1.37		1.43			
			Pdh	kW	4.0		4.5			
			PERd	%	55		57			
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0		2.5		3.0	
		Tbiv (bivalent temperature)	COPd		1.97		2.12		2.18	
			Pdh	kW	5.3		6.1		6.4	
			PERd	%	79		85		87	
			Tbiv	°C	-7		-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446		5,303		7,044	
			ηs (Seasonal space heating efficiency)	%	108		109			
			Prated at -22°C	kW	5.0		6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616		1,813		1,939	
			ηs (Seasonal space heating efficiency)	%	152		162			
			Prated at 2°C	kW	4.7		5.6		6.0	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHVX04S18D6V/ ERGA04DVA	EHVX04S23D6V/ ERGA04DVA	EHVX08S18D6V/ ERGA06DVA	EHVX08S23D6V/ ERGA06DVA	EHVX08S18D6V/ ERGA08DVA	EHVX08S23D6V/ ERGA08DVA
Space heating	Average climate water outlet 35°C	General	SCOP		4.54		4.52		4.61	
			Annual energy consumption	kWh	2,729		3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	179		178		181	
			Prated at -10°C	kW	6.0		7.0		8.0	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77	
			Pdh	kW	5.5		6.0		7.0	
			PERd	%	116		114		111	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.33		4.25		4.35	
			Pdh	kW	3.3		3.9		4.2	
			PERd	%	173		170		174	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.19		6.30		6.49	
			Pdh	kW	3.2				3.3	
			PERd	%	248		252		260	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		7.78				8.52	
			Pdh	kW	3.3				3.9	
			PERd	%	311				341	
		Tol (temperature operating limit)	COPd		2.56		2.49		2.41	
			Pdh	kW	5.2		6.0		6.9	
			PERd	%	102		100		96	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.90		3.07	2.49	2.66	
			Pdh	kW	5.5		6.1	6.0	7.5	
			PERd	%	116		123	100	106	
			Tbiv	°C	-7		-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8		1.0			
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208		3,727		5,030	
			ηs (Seasonal space heating efficiency)	%	151		156		154	
			Prated at -22°C	kW	5.0		6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	-					
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095		1,231		1,393	
			ηs (Seasonal space heating efficiency)	%	251		257		266	
			Prated at 2°C	kW	5.2		6.0		7.0	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHVX04S18D6V/ ERGA04DVA	EHVX04S23D6V/ ERGA04DVA	EHVX08S18D6V/ ERGA06DVA	EHVX08S23D6V/ ERGA06DVA	EHVX08S18D6V/ ERGA08DVA	EHVX08S23D6V/ ERGA08DVA
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0		2,770.0	2,520.0	2,770.0	
	Other	Capacity control			Inverter					
		Pck (Crankcase heater mode)		kW	0.000					
		Poff (Off mode)		kW	0.010					
		Psb (Standby mode)		kW	0.010					
		Pto (Thermostat off)		kW	0.010					
	Integrated supplementary heater	Psup		kW	6.0					
		Type of energy input			Electrical					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours			No					
	Average climate	AEC (Annual electricity consumption)		kWh	822	1,267	822	1,267	822	1,267
		ηwh (water heating efficiency)		%	125	133	125	133	125	133
		Qfuel (Daily fuel consumption)		kWh	3.870	5.900	3.870	5.900	3.870	5.900
		Water heating energy efficiency class			A					
	Cold climate	AEC (Annual electricity consumption)		kWh	951	1,475	951	1,475	951	1,475
		ηwh (water heating efficiency)		%	107	114	107	114	107	114
		Qelec (Daily electricity consumption)		kWh	4.480	6.760	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)		kWh	680	1,033	680	1,046	680	1,046
		ηwh (water heating efficiency)		%	151	163	151	161	151	161
		Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880	3.220	4.880
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.31 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.		kW	0.940 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01	2.48	3.01	2.48	3.01
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Pump	Nominal ESP unit	Cooling		kPa	54.6 (1) / 59.4 (2)		52.6 (1) / 57.5 (2)		51.1 (1) / 55.5 (2)	
		Heating		kPa	59.6 (1) / 58.6 (2)		52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	15.9 (1) / 12.5 (2)		17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)	
		Heating	Nom.	l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark			Daikin Europe N.V.					
	Product description	Air-to-water heat pump			Yes					
		Brine-to-water heat pump			No					
		Heat pump combination heater			No					
		Low-temperature heat pump			No					
		Supplementary heater integrated			Yes					
		Water-to-water heat pump			No					
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42					
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58		60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHVX04S18D6VG/ ERGA04DVA	EHVX04S23D6VG/ ERGA04DVA	EHVX08S18D6VG/ ERGA06DVA	EHVX08S23D6VG/ ERGA06DVA	EHVX08S18D6VG/ ERGA08DVA	EHVX08S23D6VG/ ERGA08DVA
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769		4,419		4,694	
			ηs (Seasonal space heating efficiency)	%	129		128		129	
			Prated at -10°C	kW	6.0		7.0		7.5	
			SCOP		3.29		3.27		3.30	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		1.97		1.98			
			Pdh	kW	5.3		5.9			
			PERd	%	79					
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.23		3.16		3.18	
			Pdh	kW	3.3		3.9		4.1	
			PERd	%	129		126		127	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.40		4.49		4.54	
			Pdh	kW	3.0					
			PERd	%	176		180		182	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.10				6.16	
			Pdh	kW	3.3				3.7	
			PERd	%	244				246	
		Tol (temperature operating limit)	COPd		1.37		1.43			
			Pdh	kW	4.0		4.5			
			PERd	%	55		57			
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0		2.5		3.0	
		Tbiv (bivalent temperature)	COPd		1.97		2.12		2.18	
			Pdh	kW	5.3		6.1		6.4	
			PERd	%	79		85		87	
			Tbiv	°C	-7		-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446		5,303		7,044	
			ηs (Seasonal space heating efficiency)	%	108		109			
			Prated at -22°C	kW	5.0		6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616		1,813		1,939	
			ηs (Seasonal space heating efficiency)	%	152		162			
			Prated at 2°C	kW	4.7		5.6		6.0	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHVX04S18D6VG/ ERGA04DVA	EHVX04S23D6VG/ ERGA04DVA	EHVX08S18D6VG/ ERGA06DVA	EHVX08S23D6VG/ ERGA06DVA	EHVX08S18D6VG/ ERGA08DVA	EHVX08S23D6VG/ ERGA08DVA
Space heating	Average climate water outlet 35°C	General	SCOP		4.54		4.52		4.61	
			Annual energy consumption	kWh	2,729		3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	179		178		181	
			Prated at -10°C	kW	6.0		7.0		8.0	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77	
			Pdh	kW	5.5		6.0		7.0	
			PERd	%	116		114		111	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.33		4.25		4.35	
			Pdh	kW	3.3		3.9		4.2	
			PERd	%	173		170		174	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.19		6.30		6.49	
			Pdh	kW	3.2				3.3	
			PERd	%	248		252		260	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		7.78				8.52	
			Pdh	kW	3.3				3.9	
			PERd	%	311				341	
		Tol (temperature operating limit)	COPd		2.56		2.49		2.41	
			Pdh	kW	5.2		6.0		6.9	
			PERd	%	102		100		96	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.90		3.07	2.49	2.66	
			Pdh	kW	5.5		6.1	6.0	7.5	
			PERd	%	116		123	100	106	
			Tbiv	°C	-7		-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8		1.0			
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208		3,727		5,030	
			ηs (Seasonal space heating efficiency)	%	151		156		154	
			Prated at -22°C	kW	5.0		6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	-					
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095		1,231		1,393	
			ηs (Seasonal space heating efficiency)	%	251		257		266	
			Prated at 2°C	kW	5.2		6.0		7.0	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHVX04S18D6VG/ ERGA04DVA	EHVX04S23D6VG/ ERGA04DVA	EHVX08S18D6VG/ ERGA06DVA	EHVX08S23D6VG/ ERGA06DVA	EHVX08S18D6VG/ ERGA08DVA	EHVX08S23D6VG/ ERGA08DVA
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0		2,770.0	2,520.0	2,770.0	
	Other	Capacity control			Inverter					
		Pck (Crankcase heater mode)		kW	0.000					
		Poff (Off mode)		kW	0.010					
		Psb (Standby mode)		kW	0.010					
		Pto (Thermostat off)		kW	0.010					
	Integrated supplementary heater	Psup		kW	6.0					
		Type of energy input			Electrical					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours			No					
	Average climate	AEC (Annual electricity consumption)		kWh	822	1,267	822	1,267	822	1,267
		ηwh (water heating efficiency)		%	125	133	125	133	125	133
		Qfuel (Daily fuel consumption)		kWh	3.870	5.900	3.870	5.900	3.870	5.900
		Water heating energy efficiency class			A					
	Cold climate	AEC (Annual electricity consumption)		kWh	951	1,475	951	1,475	951	1,475
		ηwh (water heating efficiency)		%	107	114	107	114	107	114
		Qelec (Daily electricity consumption)		kWh	4.480	6.760	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)		kWh	680	1,033	680	1,046	680	1,046
		ηwh (water heating efficiency)		%	151	163	151	161	151	161
		Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880	3.220	4.880
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.31 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.		kW	0.940 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01	2.48	3.01	2.48	3.01
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Pump	Nominal ESP unit	Cooling		kPa	54.6 (1) / 59.4 (2)		52.6 (1) / 57.5 (2)		51.1 (1) / 55.5 (2)	
		Heating		kPa	59.6 (1) / 58.6 (2)		52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	15.9 (1) / 12.5 (2)		17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)	
		Heating	Nom.	l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark			Daikin Europe N.V.					
	Product description	Air-to-water heat pump			Yes					
		Brine-to-water heat pump			No					
		Heat pump combination heater			No					
		Low-temperature heat pump			No					
		Supplementary heater integrated			Yes					
		Water-to-water heat pump			No					
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42					
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58		60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVX08S18D9W/ ERGA06DVA**	**EHVX08S23D9W/ ERGA06DVA**	**EHVX08S18D9W/ ERGA08DVA**	**EHVX08S23D9W/ ERGA08DVA**
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,419		4,694	
			ηs (Seasonal space heating efficiency)	%	128		129	
			Prated at -10°C	kW	7.0		7.5	
			SCOP		3.27		3.30	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98			
			Pdh	kW	5.9			
			PERd	%	79			
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.18	
			Pdh	kW	3.9		4.1	
			PERd	%	126		127	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.54	
			Pdh	kW	3.0			
			PERd	%	180		182	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.16	
			Pdh	kW	3.3		3.7	
			PERd	%	244		246	
		Tol (temperature operating limit)	COPd		1.43			
			Pdh	kW	4.5			
			PERd	%	57			
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.5		3.0	
		Tbiv (bivalent temperature)	COPd		2.12		2.18	
			Pdh	kW	6.1		6.4	
			PERd	%	85		87	
			Tbiv	°C	-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,303		7,044	
			ηs (Seasonal space heating efficiency)	%	109			
			Prated at -22°C	kW	6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813		1,939	
			ηs (Seasonal space heating efficiency)	%	162			
			Prated at 2°C	kW	5.6		6.0	

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVX08S18D9W/ ERGA06DVA**	**EHVX08S23D9W/ ERGA06DVA**	**EHVX08S18D9W/ ERGA08DVA**	**EHVX08S23D9W/ ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.52		4.61	
			Annual energy consumption	kWh	3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	178		181	
			Prated at -10°C	kW	7.0		8.0	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114		111	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170		174	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
			PERd	%	252		260	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	
			PERd	%	311		341	
		Tol (temperature operating limit)	COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
			PERd	%	100		96	
			TOL	°C	-10			
			WTOL	°C	35			
		Tbiv (bivalent temperature)	COPd		3.07	2.49	2.66	
			Pdh	kW	6.1	6.0	7.5	
			PERd	%	123	100	106	
			Tbiv	°C	-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0			
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727		5,030	
			ηs (Seasonal space heating efficiency)	%	156		154	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	-			
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,231		1,393	
			ηs (Seasonal space heating efficiency)	%	257		266	
			Prated at 2°C	kW	6.0		7.0	

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVX08S18D9W/ ERGA06DVA**	**EHVX08S23D9W/ ERGA06DVA**	**EHVX08S18D9W/ ERGA08DVA**	**EHVX08S23D9W/ ERGA08DVA**
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,770.0	2,520.0	2,770.0	
	Other	Capacity control			Inverter			
		Pck (Crankcase heater mode)		kW	0.000			
		Poff (Off mode)		kW	0.010			
		Psb (Standby mode)		kW	0.010			
		Pto (Thermostat off)		kW	0.010			
	Integrated supplementary heater	Psup		kW	9.0			
		Type of energy input			Electrical			
Domestic hot water heating	General	Declared load profile			L	XL	L	XL
		Function to fix water heating during off peak hours			No			
	Average climate	AEC (Annual electricity consumption)		kWh	822	1,267	822	1,267
		ηwh (water heating efficiency)		%	125	133	125	133
		Qfuel (Daily fuel consumption)		kWh	3.870	5.900	3.870	5.900
		Water heating energy efficiency class			A			
	Cold climate	AEC (Annual electricity consumption)		kWh	951	1,475	951	1,475
		ηwh (water heating efficiency)		%	107	114	107	114
		Qelec (Daily electricity consumption)		kWh	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)		kWh	680	1,046	680	1,046
		ηwh (water heating efficiency)		%	151	161	151	161
		Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.			kW	5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.		kW	1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01	2.48	3.01
COP					4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Pump	Nominal ESP unit	Cooling		kPa	52.6 (1) / 57.5 (2)		51.1 (1) / 55.5 (2)	
		Heating		kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)	
		Heating	Nom.	l/min	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium			
		Name or trademark			Daikin Europe N.V.			
	Product description	Air-to-water heat pump			Yes			
		Brine-to-water heat pump			No			
		Heat pump combination heater			No			
		Low-temperature heat pump			No			
		Supplementary heater integrated			Yes			
		Water-to-water heat pump			No			
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42			
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825			
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVX08S18D9WG/ ERGA06DVA**	**EHVX08S23D9WG/ ERGA06DVA**	**EHVX08S18D9WG/ ERGA08DVA**	**EHVX08S23D9WG/ ERGA08DVA**
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,419		4,694	
			ηs (Seasonal space heating efficiency)	%	128		129	
			Prated at -10°C	kW	7.0		7.5	
			SCOP		3.27		3.30	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98			
			Pdh	kW	5.9			
			PERd	%	79			
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.18	
			Pdh	kW	3.9		4.1	
			PERd	%	126		127	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.54	
			Pdh	kW	3.0			
			PERd	%	180		182	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.16	
			Pdh	kW	3.3		3.7	
			PERd	%	244		246	
		Tol (temperature operating limit)	COPd		1.43			
			Pdh	kW	4.5			
			PERd	%	57			
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.5		3.0	
		Tbiv (bivalent temperature)	COPd		2.12		2.18	
			Pdh	kW	6.1		6.4	
			PERd	%	85		87	
			Tbiv	°C	-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,303		7,044	
			ηs (Seasonal space heating efficiency)	%	109			
			Prated at -22°C	kW	6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813		1,939	
			ηs (Seasonal space heating efficiency)	%	162			
			Prated at 2°C	kW	5.6		6.0	

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVX08S18D9WG/ ERGA06DVA**	**EHVX08S23D9WG/ ERGA06DVA**	**EHVX08S18D9WG/ ERGA08DVA**	**EHVX08S23D9WG/ ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.52		4.61	
			Annual energy consumption	kWh	3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	178		181	
			Prated at -10°C	kW	7.0		8.0	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114		111	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170		174	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
			PERd	%	252		260	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	
			PERd	%	311		341	
		Tol (temperature operating limit)	COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
			PERd	%	100		96	
			TOL	°C	-10			
			WTOL	°C	35			
		Tbiv (bivalent temperature)	COPd		3.07	2.49	2.66	
			Pdh	kW	6.1	6.0	7.5	
			PERd	%	123	100	106	
			Tbiv	°C	-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0			
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727		5,030	
			ηs (Seasonal space heating efficiency)	%	156		154	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	-			
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,231		1,393	
			ηs (Seasonal space heating efficiency)	%	257		266	
			Prated at 2°C	kW	6.0		7.0	

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHVX08S18D9WG/ ERGA06DVA**	**EHVX08S23D9WG/ ERGA06DVA**	**EHVX08S18D9WG/ ERGA08DVA**	**EHVX08S23D9WG/ ERGA08DVA**
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,770.0	2,520.0	2,770.0	
	Other	Capacity control			Inverter			
		Pck (Crankcase heater mode)		kW	0.000			
		Poff (Off mode)		kW	0.010			
		Psb (Standby mode)		kW	0.010			
		Pto (Thermostat off)		kW	0.010			
	Integrated supplementary heater	Psup		kW	9.0			
		Type of energy input			Electrical			
Domestic hot water heating	General	Declared load profile			L	XL	L	XL
		Function to fix water heating during off peak hours			No			
	Average climate	AEC (Annual electricity consumption)		kWh	822	1,267	822	1,267
		ηwh (water heating efficiency)		%	125	133	125	133
		Qfuel (Daily fuel consumption)		kWh	3.870	5.900	3.870	5.900
		Water heating energy efficiency class			A			
	Cold climate	AEC (Annual electricity consumption)		kWh	951	1,475	951	1,475
		ηwh (water heating efficiency)		%	107	114	107	114
		Qelec (Daily electricity consumption)		kWh	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)		kWh	680	1,046	680	1,046
		ηwh (water heating efficiency)		%	151	161	151	161
		Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.			kW	5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.		kW	1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01	2.48	3.01
COP					4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Pump	Nominal ESP unit	Cooling		kPa	52.6 (1) / 57.5 (2)		51.1 (1) / 55.5 (2)	
		Heating		kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)	
		Heating	Nom.	l/min	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium			
		Name or trademark			Daikin Europe N.V.			
	Product description	Air-to-water heat pump			Yes			
		Brine-to-water heat pump			No			
		Heat pump combination heater			No			
		Low-temperature heat pump			No			
		Supplementary heater integrated			Yes			
		Water-to-water heat pump			No			
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42			
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825			
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS												
2-1 Capacity and Power input					**EHSX04P30D/ ERGA04DVA**	**EHSX04P50D/ ERGA04DVA**	**EHSX08P30D/ ERGA06DVA**	**EHSX08P50D/ ERGA06DVA**	**EHSX08P30D/ ERGA08DVA**	**EHSX08P50D/ ERGA08DVA**
Indoor unit					EHSX04P30D	EHSX04P50D	EHSX08P30D	EHSX08P50D	EHSX08P30D	EHSX08P50D
Outdoor unit					ERGA04DAV3A		ERGA06DAV3A		ERGA08DAV3A	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26		3.25		3.27	
			Annual energy consumption	kWh	3,806		4,456		4,731	
			ηs (Seasonal space heating efficiency)	%	127				128	
			Prated at -10°C	kW	6.0		7.0		7.5	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		1.97		1.98		198.00	
			Pdh	kW	5.3		5.9			
			PERd	%	79.0					
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.23		3.16		3.18	
			Pdh	kW	3.3		3.9		4.1	
			PERd	%	129.0		126.0		127.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.40		4.49		4.54	
			Pdh	kW	3.0					
			PERd	%	176.0		180.0		182.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.10				6.16	
			Pdh	kW	3.3				3.7	
			PERd	%	244.0				246.0	
		Tol (temperature operating limit)	COPd		1.37		1.43			
			Pdh	kW	4.0		4.5			
			PERd	%	55.0		57.0			
			TOL	°C	-10					
			WTOL	°C	55					
		Tbiv (bivalent temperature)	COPd		1.97		2.12		2.18	
			Pdh	kW	5.3		6.1		6.4	
			PERd	%	79.0		85.0		87.0	
			Tbiv	°C	-7		-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468		5,325		7,066	
			ηs (Seasonal space heating efficiency)	%	107		108		109	
			Prated at -22°C	kW	5		6		8	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660		1,858		1,983	
			ηs (Seasonal space heating efficiency)	%	148		158		159	
			Prated at 2°C	kW	5		6			

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHSX04P30D/ ERGA04DVA	EHSX04P50D/ ERGA04DVA	EHSX08P30D/ ERGA06DVA	EHSX08P50D/ ERGA06DVA	EHSX08P30D/ ERGA08DVA	EHSX08P50D/ ERGA08DVA
Space heating	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			Annual energy consumption	kWh	2,766		3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Prated at -10°C	kW	6.0		7.0		8.0	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77	
			Pdh	kW	5.5		6.0		7.0	
			PERd	%	116.0		114.0		111.0	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.33		4.25		4.35	
			Pdh	kW	3.3		3.9		4.2	
			PERd	%	173.0		170.0		174.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.19		6.30		6.49	
			Pdh	kW	3.2				3.3	
			PERd	%	248.0		252.0		260.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		7.78				8.52	
			Pdh	kW	3.3				3.9	
			PERd	%	311.0				341.0	
		Tol (temperature operating limit)	COPd		2.56		2.49		2.41	
			Pdh	kW	5.2		6.0		6.9	
			PERd	%	102.0		100.0		96.0	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.90		3.07		2.66	
			Pdh	kW	5.5		6.1		7.5	
			PERd	%	116.0		123.0		106.0	
			Tbiv	°C	-7		-6		-8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230		3,749		5,052	
			ηs (Seasonal space heating efficiency)	%	150		155		153	
			Prated at -22°C	kW	5		6		8	
			Qhe Annual energy consumption (GCV)	Gj	-					
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139		1,276		1,437	
			ηs (Seasonal space heating efficiency)	%	241		248		257	
			Prated at 2°C	kW	5		6		7	
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280		27,770		2,770	
	Other	Capacity control			Inverter					
		Poff (Off mode)		kW	0.010					
		Psb (Standby mode)		kW	0.010					
		Pto (Thermostat off)		kW	0.010					
	Integrated supplementary heater	Type of energy input			Electrical					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					**EHSX04P30D/ ERGA04DVA**	**EHSX04P50D/ ERGA04DVA**	**EHSX08P30D/ ERGA06DVA**	**EHSX08P50D/ ERGA06DVA**	**EHSX08P30D/ ERGA08DVA**	**EHSX08P50D/ ERGA08DVA**
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours			Yes					
	Average climate	AEC (Annual electricity consumption)		kWh	951	1,584	951	1,584	951	1,584
		ηwh (water heating efficiency)		%	108	106	108	106	108	106
		Qelec (Daily electricity consumption)		kWh	4.500	7.426	4.500	7.426	4.500	7.426
		Water heating energy efficiency class			A					
	Cold climate	AEC (Annual electricity consumption)		kWh	1,366	2,260	1,366	2,260	1,366	2,260
		ηwh (water heating efficiency)		%	75					
		Qelec (Daily electricity consumption)		kWh	6.454	10.520	6.454	10.520	6.454	10.520
	Warm climate	AEC (Annual electricity consumption)		kWh	940	1,436	940	1,436	940	1,436
		ηwh (water heating efficiency)		%	109	117	109	117	109	117
		Qelec (Daily electricity consumption)		kWh	4.513	6.766	4.513	6.766	4.513	6.766
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.			kW	5.56 (1) / 4.37 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.		kW	0.940 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Pump	Type				Grundfos UPM3K 25-75 CHBL		-			
	Nominal ESP unit	Cooling		kPa	60.5 (1) / 65.8 (2)		57.6 (1) / 63.9 (2)		55.5 (1) / 61.7 (2)	
		Heating		kPa	66.0 (1) / 65.0 (2)		57.4 (1) / 58.1 (2)		42.7 (1) / 38.7 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	15.9 (1) / 12.5 (2)		17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)	
		Heating	Nom.	l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Product description	Air-to-water heat pump			Yes					
		Brine-to-water heat pump			No					
		Heat pump combination heater			Yes					
		Low-temperature heat pump			No					
		Supplementary heater integrated			No					
		Water-to-water heat pump			No					
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39					
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58		60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C				hr	1h31min	2h57min	1h31min	2h57min	1h31min	2h57min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					**EHSXB04P30D/ ERGA04DVA**	**EHSXB04P50D/ ERGA04DVA**	**EHSXB08P30D/ ERGA06DVA**	**EHSXB08P50D/ ERGA06DVA**	**EHSXB08P30D/ ERGA08DVA**	**EHSXB08P50D/ ERGA08DVA**
Indoor unit					EHSXB04P30D	EHSXB04P50D	EHSXB08P30D	EHSXB08P50D	EHSXB08P30D	EHSXB08P50D
Outdoor unit					ERGA04DAV3A		ERGA06DAV3A		ERGA08DAV3A	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26		3.25		3.27	
			Annual energy consumption	kWh	3,806		4,456		4,731	
			ηs (Seasonal space heating efficiency)	%	127				128	
			Prated at -10°C	kW	6.0		7.0		7.5	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		1.97		1.98		198.00	
			Pdh	kW	5.3		5.9			
			PERd	%	79.0					
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.23		3.16		3.18	
			Pdh	kW	3.3		3.9		4.1	
			PERd	%	129.0		126.0		127.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.40		4.49		4.54	
			Pdh	kW	3.0					
			PERd	%	176.0		180.0		182.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.10				6.16	
			Pdh	kW	3.3				3.7	
			PERd	%	244.0				246.0	
		Tol (temperature operating limit)	COPd		1.37		1.43			
			Pdh	kW	4.0		4.5			
			PERd	%	55.0		57.0			
			TOL	°C	-10					
			WTOL	°C	55					
		Tbiv (bivalent temperature)	COPd		1.97		2.12		2.18	
			Pdh	kW	5.3		6.1		6.4	
			PERd	%	79.0		85.0		87.0	
			Tbiv	°C	-7		-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468		5,325		7,066	
			ηs (Seasonal space heating efficiency)	%	107		108		109	
			Prated at -22°C	kW	5		6		8	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660		1,858		1,983	
			ηs (Seasonal space heating efficiency)	%	148		158		159	
			Prated at 2°C	kW	5		6			

2 Specifications

CONNECTABLE INDOOR UNITS												
2-1 Capacity and Power input					EHSXB04P30D/ ERGA04DVA	EHSXB04P50D/ ERGA04DVA	EHSXB08P30D/ ERGA06DVA	EHSXB08P50D/ ERGA06DVA	EHSXB08P30D/ ERGA08DVA	EHSXB08P50D/ ERGA08DVA
Space heating	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			Annual energy consumption	kWh	2,766		3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Prated at -10°C	kW	6.0		7.0		8.0	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77	
			Pdh	kW	5.5		6.0		7.0	
			PERd	%	116.0		114.0		111.0	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.33		4.25		4.35	
			Pdh	kW	3.3		3.9		4.2	
			PERd	%	173.0		170.0		174.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.19		6.30		6.49	
			Pdh	kW	3.2				3.3	
			PERd	%	248.0		252.0		260.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0					
			COPd		7.78				8.52	
			Pdh	kW	3.3				3.9	
			PERd	%	311.0				341.0	
		Tol (temperature operating limit)	COPd		2.56		2.49		2.41	
			Pdh	kW	5.2		6.0		6.9	
			PERd	%	102.0		100.0		96.0	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.90		3.07		2.66	
			Pdh	kW	5.5		6.1		7.5	
			PERd	%	116.0		123.0		106.0	
			Tbiv	°C	-7		-6		-8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230		3,749		5,052	
			ηs (Seasonal space heating efficiency)	%	150		155		153	
			Prated at -22°C	kW	5		6		8	
			Qhe Annual energy consumption (GCV)	Gj	-					
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139		1,276		1,437	-
			ηs (Seasonal space heating efficiency)	%	241		248		257	-
			Prated at 2°C	kW	5		6		7	-
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280		27,770		2,770	
	Other	Capacity control			Inverter					
		Poff (Off mode)		kW	0.010					
		Psb (Standby mode)		kW	0.010					
		Pto (Thermostat off)		kW	0.010					
	Integrated supplementary heater	Type of energy input			Electrical					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EHSXB04P30D/ ERGA04DVA	EHSXB04P50D/ ERGA04DVA	EHSXB08P30D/ ERGA06DVA	EHSXB08P50D/ ERGA06DVA	EHSXB08P30D/ ERGA08DVA	EHSXB08P50D/ ERGA08DVA
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours			Yes					
	Average climate	AEC (Annual electricity consumption)		kWh	951	1,541	951	1,541	951	1,541
		ηwh (water heating efficiency)		%	108	109	108	109	108	109
		Qelec (Daily electricity consumption)		kWh	4.500	7.251	4.500	7.251	4.500	7.251
		Water heating energy efficiency class			A					
	Cold climate	AEC (Annual electricity consumption)		kWh	1,366	1,852	1,366	1,852	1,366	1,852
		ηwh (water heating efficiency)		%	75	90	75	90	75	90
		Qelec (Daily electricity consumption)		kWh	6.454	8.665	6.454	8.665	6.454	8.665
	Warm climate	AEC (Annual electricity consumption)		kWh	940	1,343	940	1,343	940	1,343
		ηwh (water heating efficiency)		%	109	125	109	125	109	125
		Qelec (Daily electricity consumption)		kWh	4.513	6.346	4.513	6.346	4.513	6.346
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.			kW	5.56 (1) / 4.37 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.		kW	0.940 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)	
Pump	Type				Grundfos UPM3K 25-75 CHBL		-			
	Nominal ESP unit	Cooling		kPa	60.5 (1) / 65.8 (2)		57.6 (1) / 63.9 (2)		55.5 (1) / 61.7 (2)	
		Heating		kPa	66.0 (1) / 65.0 (2)		57.4 (1) / 58.1 (2)		42.7 (1) / 38.7 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	15.9 (1) / 12.5 (2)		17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)	
		Heating	Nom.	l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Product description	Air-to-water heat pump			Yes					
		Brine-to-water heat pump			No					
		Heat pump combination heater			Yes					
		Low-temperature heat pump			No					
		Supplementary heater integrated			No					
		Water-to-water heat pump			No					
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39					
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58		60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C				hr	1h31min	2h38min	1h31min	2h38min	1h31min	2h38min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS									
2-1 Capacity and Power input					**EHSH04P30D/ ERGA04DVA**	**EHSH08P30D/ ERGA06DVA**	**EHSH08P50D/ ERGA06DVA**	**EHSH08P30D/ ERGA08DVA**	**EHSH08P50D/ ERGA08DVA**
Indoor unit					EHSH04P30D	EHSH08P30D	EHSH08P50D	EHSH08P30D	EHSH08P50D
Outdoor unit					ERGA04DAV3A	ERGA06DAV3A		ERGA08DAV3A	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26	3.25		3.27	
			Annual energy consumption	kWh	3,806	4,456		4,731	
			ηs (Seasonal space heating efficiency)	%	127			128	
			Prated at -10°C	kW	6.0	7.0		7.5	
			Seasonal space heating eff. class		A++				
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0				
			COPd		1.97	1.98		198.00	
			Pdh	kW	5.3	5.9			
			PERd	%	79.0				
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				
			COPd		3.23	3.16		3.18	
			Pdh	kW	3.3	3.9		4.1	
			PERd	%	129.0	126.0		127.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0				
			COPd		4.40	4.49		4.54	
			Pdh	kW	3.0				
			PERd	%	176.0	180.0		182.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0				
			COPd		6.10			6.16	
			Pdh	kW	3.3			3.7	
			PERd	%	244.0			246.0	
		Tol (temperature operating limit)	COPd		1.37	1.43			
			Pdh	kW	4.0	4.5			
			PERd	%	55.0	57.0			
			TOL	°C	-10				
			WTOL	°C	55				
		Tbiv (bivalent temperature)	COPd		1.97	2.12		2.18	
			Pdh	kW	5.3	6.1		6.4	
			PERd	%	79.0	85.0		87.0	
			Tbiv	°C	-7	-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468	5,325		7,066	
			ηs (Seasonal space heating efficiency)	%	107	108		109	
			Prated at -22°C	kW	5	6		8	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	1,858		1,983	
			ηs (Seasonal space heating efficiency)	%	148	158		159	
			Prated at 2°C	kW	5	6			

2 Specifications

CONNECTABLE INDOOR UNITS									
2-1 Capacity and Power input					**EHSH04P30D/ ERGA04DVA**	**EHSH08P30D/ ERGA06DVA**	**EHSH08P50D/ ERGA06DVA**	**EHSH08P30D/ ERGA08DVA**	**EHSH08P50D/ ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56	
			Annual energy consumption	kWh	2,766	3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Prated at -10°C	kW	6.0	7.0		8.0	
			Seasonal space heating eff. class		A++				
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86		2.77	
			Pdh	kW	5.5	6.0		7.0	
			PERd	%	116.0	114.0		111.0	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				
			COPd		4.33	4.25		4.35	
			Pdh	kW	3.3	3.9		4.2	
			PERd	%	173.0	170.0		174.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0				
			COPd		6.19	6.30		6.49	
			Pdh	kW	3.2			3.3	
			PERd	%	248.0	252.0		260.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0				
			COPd		7.78			8.52	
			Pdh	kW	3.3			3.9	
			PERd	%	311.0			341.0	
		Tol (temperature operating limit)	COPd		2.56	2.49		2.41	
			Pdh	kW	5.2	6.0		6.9	
			PERd	%	102.0	100.0		96.0	
			TOL	°C	-10				
			WTOL	°C	35				
		Tbiv (bivalent temperature)	COPd		2.90	3.07		2.66	
			Pdh	kW	5.5	6.1		7.5	
			PERd	%	116.0	123.0		106.0	
			Tbiv	°C	-7	-6		-8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230	3,749		5,052	
			ηs (Seasonal space heating efficiency)	%	150	155		153	
			Prated at -22°C	kW	5	6		8	
			Qhe Annual energy consumption (GCV)	Gj	-				
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276		1,437	-
			ηs (Seasonal space heating efficiency)	%	241	248		257	-
			Prated at 2°C	kW	5	6		7	-
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280	27,770		2,770	
	Other	Capacity control			Inverter				
		Poff (Off mode)		kW	0.010				
		Psb (Standby mode)		kW	0.010				
		Pto (Thermostat off)		kW	0.010				
	Integrated supplementary heater	Type of energy input			Electrical				

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHSH04P30D/ ERGA04DVA**	**EHSH08P30D/ ERGA06DVA**	**EHSH08P50D/ ERGA06DVA**	**EHSH08P30D/ ERGA08DVA**	**EHSH08P50D/ ERGA08DVA**
Domestic hot water heating	General	Declared load profile			L		XL	L	XL
		Function to fix water heating during off peak hours			Yes				
	Average climate	AEC (Annual electricity consumption)		kWh	951		1,584	951	1,584
		ηwh (water heating efficiency)		%	108		106	108	106
		Qelec (Daily electricity consumption)		kWh	4.500		7.426	4.500	7.426
		Water heating energy efficiency class			A				
	Cold climate	AEC (Annual electricity consumption)		kWh	1,366		2,260	1,366	2,260
		ηwh (water heating efficiency)		%	75				
		Qelec (Daily electricity consumption)		kWh	6.454		10.520	6.454	10.520
	Warm climate	AEC (Annual electricity consumption)		kWh	940		1,436	940	1,436
		ηwh (water heating efficiency)		%	109		117	109	117
		Qelec (Daily electricity consumption)		kWh	4.513		6.766	4.513	6.766
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Pump	Type				Grundfos UPM3K 25-75 CHBL	-			
	Nominal ESP unit	Heating		kPa	66.0 (1) / 65.0 (2)	57.4 (1) / 58.1 (2)		42.7 (1) / 38.7 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Product description	Air-to-water heat pump			Yes				
		Brine-to-water heat pump			No				
		Heat pump combination heater			Yes				
		Low-temperature heat pump			No				
		Supplementary heater integrated			No				
		Water-to-water heat pump			No				
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39				
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58	60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825				
Heat up time from 10°C to 50°C				hr	1h31min		2h57min	1h31min	2h57min

Notes

(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)

2 Specifications

CONNECTABLE INDOOR UNITS									
2-1 Capacity and Power input					**EHSHB04P30D/ ERGA04DVA**	**EHSHB08P30D/ ERGA06DVA**	**EHSHB08P50D/ ERGA06DVA**	**EHSHB08P30D/ ERGA08DVA**	**EHSHB08P50D/ ERGA08DVA**
Indoor unit					EHSHB04P30D	EHSHB08P30D	EHSHB08P50D	EHSHB08P30D	EHSHB08P50D
Outdoor unit					ERGA04DAV3A	ERGA06DAV3A		ERGA08DAV3A	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26	3.25		3.27	
			Annual energy consumption	kWh	3,806	4,456		4,731	
			ηs (Seasonal space heating efficiency)	%	127			128	
			Prated at -10°C	kW	6.0	7.0		7.5	
			Seasonal space heating eff. class		A++				
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0				
			COPd		1.97	1.98		198.00	
			Pdh	kW	5.3	5.9			
			PERd	%	79.0				
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				
			COPd		3.23	3.16		3.18	
			Pdh	kW	3.3	3.9		4.1	
			PERd	%	129.0	126.0		127.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0				
			COPd		4.40	4.49		4.54	
			Pdh	kW	3.0				
			PERd	%	176.0	180.0		182.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0				
			COPd		6.10			6.16	
			Pdh	kW	3.3			3.7	
			PERd	%	244.0			246.0	
		Tol (temperature operating limit)	COPd		1.37	1.43			
			Pdh	kW	4.0	4.5			
			PERd	%	55.0	57.0			
			TOL	°C	-10				
			WTOL	°C	55				
		Tbiv (bivalent temperature)	COPd		1.97	2.12		2.18	
			Pdh	kW	5.3	6.1		6.4	
			PERd	%	79.0	85.0		87.0	
			Tbiv	°C	-7	-6			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468	5,325		7,066	
			ηs (Seasonal space heating efficiency)	%	107	108		109	
			Prated at -22°C	kW	5	6		8	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	1,858		1,983	
			ηs (Seasonal space heating efficiency)	%	148	158		159	
			Prated at 2°C	kW	5	6			

2 Specifications

CONNECTABLE INDOOR UNITS									
2-1 Capacity and Power input					**EHSHB04P30D/ ERGA04DVA**	**EHSHB08P30D/ ERGA06DVA**	**EHSHB08P50D/ ERGA06DVA**	**EHSHB08P30D/ ERGA08DVA**	**EHSHB08P50D/ ERGA08DVA**
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56	
			Annual energy consumption	kWh	2,766	3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Prated at -10°C	kW	6.0	7.0		8.0	
			Seasonal space heating eff. class		A++				
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86		2.77	
			Pdh	kW	5.5	6.0		7.0	
			PERd	%	116.0	114.0		111.0	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				
			COPd		4.33	4.25		4.35	
			Pdh	kW	3.3	3.9		4.2	
			PERd	%	173.0	170.0		174.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0				
			COPd		6.19	6.30		6.49	
			Pdh	kW	3.2			3.3	
			PERd	%	248.0	252.0		260.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		1.0				
			COPd		7.78			8.52	
			Pdh	kW	3.3			3.9	
			PERd	%	311.0			341.0	
		Tol (temperature operating limit)	COPd		2.56	2.49		2.41	
			Pdh	kW	5.2	6.0		6.9	
			PERd	%	102.0	100.0		96.0	
			TOL	°C	-10				
			WTOL	°C	35				
		Tbiv (bivalent temperature)	COPd		2.90	3.07		2.66	
			Pdh	kW	5.5	6.1		7.5	
			PERd	%	116.0	123.0		106.0	
			Tbiv	°C	-7	-6		-8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230	3,749		5,052	
			ηs (Seasonal space heating efficiency)	%	150	155		153	
			Prated at -22°C	kW	5	6		8	
			Qhe Annual energy consumption (GCV)	Gj	-				
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276		1,437	-
			ηs (Seasonal space heating efficiency)	%	241	248		257	-
			Prated at 2°C	kW	5	6		7	-
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280	27,770		2,770	
	Other	Capacity control			Inverter				
		Poff (Off mode)		kW	0.010				
		Psb (Standby mode)		kW	0.010				
		Pto (Thermostat off)		kW	0.010				
	Integrated supplementary heater	Type of energy input			Electrical				

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input					**EHSHB04P30D/ ERGA04DVA**	**EHSHB08P30D/ ERGA06DVA**	**EHSHB08P50D/ ERGA06DVA**	**EHSHB08P30D/ ERGA08DVA**	**EHSHB08P50D/ ERGA08DVA**
Domestic hot water heating	General	Declared load profile			L		XL	L	XL
		Function to fix water heating during off peak hours			Yes				
	Average climate	AEC (Annual electricity consumption)		kWh	951		1,541	951	1,541
		ηwh (water heating efficiency)		%	108		109	108	109
		Qelec (Daily electricity consumption)		kWh	4.500		7.251	4.500	7.251
		Water heating energy efficiency class			A				
	Cold climate	AEC (Annual electricity consumption)		kWh	1,366		1,852	1,366	1,852
		ηwh (water heating efficiency)		%	75		90	75	90
		Qelec (Daily electricity consumption)		kWh	6.454		8.665	6.454	8.665
	Warm climate	AEC (Annual electricity consumption)		kWh	940		1,343	940	1,343
		ηwh (water heating efficiency)		%	109		125	109	125
		Qelec (Daily electricity consumption)		kWh	4.513		6.346	4.513	6.346
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
Pump	Type				Grundfos UPM3K 25-75 CHBL	-			
	Nominal ESP unit	Heating		kPa	66.0 (1) / 65.0 (2)	57.4 (1) / 58.1 (2)		42.7 (1) / 38.7 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Product description	Air-to-water heat pump			Yes				
		Brine-to-water heat pump			No				
		Heat pump combination heater			Yes				
		Low-temperature heat pump			No				
		Supplementary heater integrated			No				
		Water-to-water heat pump			No				
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39				
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58	60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825				
Heat up time from 10°C to 50°C				hr	1h31min		2h38min	1h31min	2h38min

Notes

(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)

2 Specifications

2-2 Technical Specifications				ERGA04DVA	ERGA06DVA	ERGA08DVA
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388		
Weight	Unit		kg	58.5		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Cooling	Min.~Max.	°CDB	10~43		
	Domestic hot water	Min.~Max.	°CDB	-25~35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge		TCO_2eq	1.01		
			kg	1.50		
	Control			Expansion valve		
Sound power level	Heating	Nom.	dBA	58 (1)	60 (1)	62 (1)
	Cooling	Nom.	dBA	61 (1)	62 (1)	
Sound pressure level	Heating	Nom.	dBA	44 (1)	47 (1)	49 (1)
	Cooling	Nom.	dBA	48 (1)	49 (1)	50 (1)

2-3 Electrical Specifications			ERGA04DVA	ERGA06DVA	ERGA08DVA
Power supply	Name/Phase/Frequency/Voltage	Hz/V	V3/1N~/50/230		
Current	Recommended fuses	A	16		

Notes

(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)

3 Combination table

3 - 1 Combination Table

ERGA04-08DVA

Kit availability for outdoor units

		RGA04DAV3	*RGA06DAV3*	*RGA08DAV3*
EKDP008D	Drain pan kit	o	o	o
EKDPH008CA	Drain pan heater	o	o	o
EKFT008D	Feet kit	o	o	o

Notes

1. When installing ·EKHDP008D· units in heavy snowfall areas, also install option kit ·EKDPH008CA·.

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4 Capacity tables

4 - 1 Cooling Capacity Tables

ERGA04-08DVA

Maximum cooling capacity													
	T_{amb} [°C]	20		25		30		35		40		43	
	LWE [°C]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]
RGA04	7	6,26	1,06	5,71	1,12	5,17	1,18	4,62	1,24	3,49	1,14	2,82	1,07
	10	6,53	0,95	6,02	1,03	5,51	1,12	5,00	1,20	3,82	1,09	3,11	1,02
	13	6,79	0,85	6,32	0,95	5,85	1,05	5,38	1,15	4,14	1,04	3,39	1,00
	15	7,05	0,80	6,57	0,91	6,10	1,01	5,62	1,12	4,43	1,03	3,72	1,00
	18	7,43	0,74	6,95	0,84	6,46	0,95	5,98	1,06	4,88	1,02	4,23	1,00
	22	7,94	0,65	7,45	0,76	6,95	0,87	6,46	0,99	5,48	1,01	4,89	1,00
RGA06	7	7,80	1,50	7,06	1,54	6,31	1,57	5,57	1,60	3,96	1,31	2,99	1,16
	10	8,40	1,46	7,61	1,50	6,82	1,54	6,03	1,57	4,51	1,31	3,60	1,16
	13	9,01	1,43	8,17	1,46	7,33	1,50	6,49	1,54	5,06	1,31	4,21	1,16
	15	9,36	1,37	8,53	1,42	7,70	1,48	6,87	1,54	5,40	1,31	4,51	1,16
	18	9,88	1,28	9,07	1,36	8,26	1,45	7,45	1,54	5,90	1,31	4,97	1,16
	22	10,58	1,16	9,79	1,29	9,00	1,41	8,21	1,54	6,57	1,31	5,58	1,16
RGA08	7	8,78	1,76	7,97	1,81	7,16	1,86	6,34	1,91	4,24	1,40	2,97	1,09
	10	9,58	1,79	8,71	1,84	7,85	1,89	6,99	1,94	4,78	1,40	3,45	1,08
	13	10,37	1,82	9,45	1,86	8,54	1,91	7,63	1,96	5,31	1,41	3,92	1,08
	15	10,94	1,78	9,96	1,83	8,98	1,88	8,01	1,93	5,62	1,39	4,19	1,07
	18	11,79	1,74	10,72	1,78	9,64	1,83	8,57	1,87	6,07	1,37	4,58	1,07
	22	12,94	1,67	11,73	1,71	10,52	1,76	9,31	1,80	6,68	1,34	5,10	1,06

Symbols

CC	Cooling capacity at maximum operating frequency, measured according to EN 14511.
HC	Heating capacity at maximum operating frequency, measured according to EN 14511
PI	Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.
LWE	Leaving water evaporator temperature [°C]
LWC	Leaving water condensor temperature [°C]
Tamb	Ambient temperature; RH (heating) = 85%

Conditions

Cooling capacity

Capacity according to standard EN 14511 and valid for chilled water range ΔT = 3~8°C.

Capacity values may not be extrapolated below 7°C leaving water temperature.

Heating capacity

Capacity according to standard EN 14511 and valid for heated water range ΔT = 3~8°C.

Power input

Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

Notes

The capacity and the power input are valid for V3 models at 230 V.

The capacity and the power input are at maximum operation.

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4 Capacity tables

4 - 1 Cooling Capacity Tables

ERGA04-08DVA

Maximum cooling capacity

	T_{amb} [°C]	20		25		30		35		40		43	
	LWE [°C]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]
RGA04	7	6,26	1,06	5,71	1,12	5,17	1,18	4,62	1,24	3,49	1,14	2,82	1,07
	10	6,53	0,95	6,02	1,03	5,51	1,12	5,00	1,20	3,82	1,09	3,11	1,02
	13	6,79	0,85	6,32	0,95	5,85	1,05	5,38	1,15	4,14	1,04	3,39	1,00
	15	7,05	0,80	6,57	0,91	6,10	1,01	5,62	1,12	4,43	1,03	3,72	1,00
	18	7,43	0,74	6,95	0,84	6,46	0,95	5,98	1,06	4,88	1,02	4,23	1,00
	22	7,94	0,65	7,45	0,76	6,95	0,87	6,46	0,99	5,48	1,01	4,89	1,00
RGA06	7	7,80	1,50	7,06	1,54	6,31	1,57	5,57	1,60	3,96	1,31	2,99	1,16
	10	8,40	1,46	7,61	1,50	6,82	1,54	6,03	1,57	4,51	1,31	3,60	1,16
	13	9,01	1,43	8,17	1,46	7,33	1,50	6,49	1,54	5,06	1,31	4,21	1,16
	15	9,36	1,37	8,53	1,42	7,70	1,48	6,87	1,54	5,40	1,31	4,51	1,16
	18	9,88	1,28	9,07	1,36	8,26	1,45	7,45	1,54	5,90	1,31	4,97	1,16
	22	10,58	1,16	9,79	1,29	9,00	1,41	8,21	1,54	6,57	1,31	5,58	1,16
RGA08	7	8,78	1,76	7,97	1,81	7,16	1,86	6,34	1,91	4,24	1,40	2,97	1,09
	10	9,58	1,79	8,71	1,84	7,85	1,89	6,99	1,94	4,78	1,40	3,45	1,08
	13	10,37	1,82	9,45	1,86	8,54	1,91	7,63	1,96	5,31	1,41	3,92	1,08
	15	10,94	1,78	9,96	1,83	8,98	1,88	8,01	1,93	5,62	1,39	4,19	1,07
	18	11,79	1,74	10,72	1,78	9,64	1,83	8,57	1,87	6,07	1,37	4,58	1,07
	22	12,94	1,67	11,73	1,71	10,52	1,76	9,31	1,80	6,68	1,34	5,10	1,06

Symbols

CC	Cooling capacity at maximum operating frequency, measured according to EN 14511.
HC	Heating capacity at maximum operating frequency, measured according to EN 14511
PI	Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511. Leaving water evaporator temperature [°C]
LWE	Leaving water condensor temperature [°C]
LWC	Ambient temperature; RH (heating) = 85%
Tamb	

Conditions

Cooling capacity

Capacity according to standard EN 14511 and valid for chilled water range ΔT = 3~8°C.

Capacity values may not be extrapolated below 7°C leaving water temperature.

Heating capacity

Capacity according to standard EN 14511 and valid for heated water range ΔT = 3~8°C.

Power input

Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

Notes

The capacity and the power input are valid for V3 models at 230 V.

The capacity and the power input are at maximum operation.

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4 Capacity tables

4 - 2 Heating Capacity Tables

ERGA04-08DVA

Maximum heating capacity - integrated value

	LWC [°C]	30		35		40		45		50		55	
	T_{amb} [°C]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
RGA08	-20	5,79	2,99	5,39	3,02	5,04	3,05	4,72	3,07	4,43	3,09		
	-15	6,59	2,88	6,55	3,16	5,72	3,03	5,32	3,06	4,87	3,10	4,63	3,10
	-7	7,19	2,37	7,20	2,73	7,22	3,08	6,40	3,05	5,61	3,10	4,96	3,15
	-2	7,10	2,11	7,13	2,41	7,15	2,72	7,18	3,02	6,19	2,98	5,50	3,01
	2	7,43	2,12	7,07	2,16	7,10	2,42	7,14	2,68	6,98	2,97	6,03	2,88
	7	9,63	1,84	9,37	2,08	9,12	2,31	8,86	2,55	8,74	3,00	7,91	3,17
	12	9,52	1,49	9,21	1,71	8,91	1,93	8,60	2,14	8,42	2,42	8,25	2,71
	15	9,22	1,30	8,82	1,50	8,42	1,70	8,02	1,90	7,79	2,16	7,55	2,42
	20	8,71	0,97	8,16	1,14	7,60	1,32	7,04	1,49	6,72	1,71	6,40	1,93
RGA06	-20	5,19	2,66	5,13	2,82	5,08	2,99	5,02	3,15	4,60	3,17		
	-15	5,57	2,38	5,54	2,60	5,51	2,82	5,48	3,04	4,92	3,14	4,31	3,04
	-7	6,17	1,94	6,19	2,25	6,20	2,55	6,22	2,86	5,44	3,10	4,41	3,10
	-2	6,22	1,74	6,18	1,98	6,15	2,23	6,11	2,47	5,75	2,76	5,40	3,06
	2	6,41	1,70	6,18	1,77	6,10	1,97	6,02	2,16	5,81	2,39	5,61	2,61
	7	7,92	1,45	7,74	1,63	7,57	1,82	7,40	2,01	7,22	2,26	7,03	2,51
	12	7,75	1,08	7,49	1,28	7,24	1,48	6,99	1,68	6,76	1,92	6,54	2,16
	15	7,58	0,96	7,23	1,13	6,88	1,31	6,54	1,48	6,17	1,70	5,81	1,92
	20	7,29	0,77	6,79	0,89	6,29	1,02	5,78	1,14	5,19	1,33	4,60	1,51
RGA04	-20	4,38	2,43	4,29	2,45	4,21	2,47	4,13	2,48	3,99	2,82		
	-15	4,78	2,14	4,71	2,24	4,64	2,35	4,58	2,45	4,25	2,78	3,94	2,98
	-7	5,43	1,66	5,38	1,91	5,34	2,16	5,30	2,40	4,65	2,72	4,00	3,04
	-2	5,49	1,48	5,43	1,68	5,36	1,87	5,30	2,07	4,85	2,33	4,40	2,59
	2	5,60	1,40	5,46	1,49	5,38	1,64	5,30	1,80	5,01	2,02	4,73	2,23
	7	6,65	1,11	6,41	1,30	6,25	1,48	6,08	1,65	5,91	1,84	5,73	2,03
	12	6,32	0,86	6,07	1,01	5,76	1,15	5,46	1,29	5,23	1,48	4,99	1,67
	15	6,04	0,73	5,72	0,86	5,40	1,00	5,08	1,13	4,62	1,28	4,17	1,42
	20	5,49	0,50	5,15	0,63	4,80	0,75	4,45	0,87	3,62	0,94	2,80	1,01

Maximum heating capacity - peak values

	LWC [°C]	30		35		40		45		50		55	
	T_{amb} [°C]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
RGA08	-20	6,40	3,17	5,93	3,17	5,51	3,17	5,13	3,17	4,79	3,17		
	-15	7,52	3,11	6,95	3,17	6,33	3,17	5,80	3,17	5,23	3,17	4,79	3,17
	-7	8,55	2,64	8,33	2,95	7,87	3,17	6,99	3,17	5,98	3,17	5,14	3,17
	-2	9,06	2,31	8,82	2,62	8,58	2,93	8,14	3,17	7,08	3,17	6,19	3,17
	2	9,46	2,05	9,20	2,36	8,94	2,67	8,69	2,98	8,13	3,17	7,21	3,17
	7	9,63	1,84	9,37	2,08	9,12	2,31	8,86	2,55	8,74	3,00	7,91	3,17
	12	9,52	1,49	9,21	1,71	8,91	1,93	8,60	2,14	8,42	2,42	8,25	2,71
	15	9,22	1,30	8,82	1,50	8,42	1,70	8,02	1,90	7,79	2,16	7,55	2,42
	20	8,71	0,97	8,16	1,14	7,60	1,32	7,04	1,49	6,72	1,71	6,40	1,93
RGA06	-20	5,93	2,80	5,83	2,94	5,72	3,07	5,54	3,17	4,98	3,17		
	-15	6,54	2,54	6,37	2,73	6,20	2,91	6,03	3,10	5,31	3,17	4,59	3,17
	-7	7,50	2,12	7,23	2,39	6,96	2,66	6,69	2,92	5,86	3,17	4,76	3,17
	-2	7,64	1,88	7,40	2,12	7,17	2,36	6,93	2,60	6,49	2,91	5,97	3,17
	2	7,75	1,70	7,54	1,91	7,33	2,13	7,12	2,35	6,79	2,59	6,46	2,83
	7	7,92	1,45	7,74	1,63	7,57	1,82	7,40	2,01	7,22	2,26	7,03	2,51
	12	7,75	1,08	7,49	1,28	7,24	1,48	6,99	1,68	6,76	1,92	6,54	2,16
	15	7,58	0,96	7,23	1,13	6,88	1,31	6,54	1,48	6,17	1,70	5,81	1,92
	20	7,29	0,77	6,79	0,89	6,29	1,02	5,78	1,14	5,19	1,33	4,60	1,51
RGA04	-20	4,71	2,50	4,67	2,50	4,64	2,50	4,61	2,62	4,23	2,86		
	-15	5,19	2,20	5,11	2,32	5,03	2,45	4,95	2,57	4,53	2,86		
	-7	5,95	1,82	5,80	2,04	5,65	2,26	5,50	2,48	4,98	2,86	4,45	3,23
	-2	6,29	1,59	6,13	1,78	5,96	1,98	5,79	2,18	5,37	2,47	4,94	2,75
	2	6,57	1,40	6,39	1,58	6,21	1,76	6,03	1,94	5,68	2,15	5,33	2,37
	7	6,65	1,11	6,41	1,30	6,25	1,48	6,08	1,65	5,91	1,84	5,73	2,03
	12	6,32	0,86	6,07	1,01	5,76	1,15	5,46	1,29	5,23	1,48	4,99	1,67
	15	6,04	0,73	5,72	0,86	5,40	1,00	5,08	1,13	4,62	1,28	4,17	1,42
	20	5,49	0,50	5,15	0,63	4,80	0,75	4,45	0,87	3,62	0,94	2,80	1,01

Symbols

CC Cooling capacity at maximum operating frequency, measured according to EN 14511.
HC Heating capacity at maximum operating frequency, measured according to EN 14511
PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.
LWE Leaving water evaporator temperature [°C]
LWC Leaving water condensor temperature [°C]
Tamb Ambient temperature; RH (heating) = 85%

Conditions

Cooling capacity
Capacity according to standard EN 14511 and valid for chilled water range ΔT = 3~8°C.
Capacity values may not be extrapolated below 7°C leaving water temperature.
Heating capacity
Capacity according to standard EN 14511 and valid for heated water range ΔT = 3~8°C.
Power input
Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

Notes

The capacity and the power input are valid for V3 models at 230 V.
The capacity and the power input are at maximum operation.

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4 Capacity tables

4 - 2 Heating Capacity Tables

ERGA04-08DVA

Maximum heating capacity - integrated value

	LWC [°C]	30		35		40		45		50		55	
	T_{amb} [°C]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
RGA08	-20	5,70	2,86	5,62	3,06	5,55	3,27	5,48	3,47	5,40	3,67		
	-15	6,07	5,58	6,01	2,83	5,96	3,08	5,92	3,32	5,79	3,59	5,66	4,34
	-7	6,68	2,13	6,62	2,45	6,63	2,77	6,64	3,09	6,42	3,47	6,19	3,84
	-2	6,66	1,98	6,46	2,15	6,48	2,42	6,50	2,69	6,32	3,00	6,15	3,31
	2	6,66	1,87	6,33	1,91	6,36	2,14	6,39	2,37	6,25	2,63	6,11	2,89
	7	8,32	1,59	8,10	1,79	7,88	2,00	7,66	2,20	7,55	2,59	7,44	2,98
	12	8,23	1,29	7,96	1,48	7,70	1,66	7,44	1,85	7,28	2,10	7,13	2,34
	15	7,97	1,12	7,62	1,29	7,27	1,47	6,93	1,64	6,73	1,86	6,53	2,09
	20	7,53	0,84	7,05	0,99	6,57	1,14	6,08	1,29	5,81	1,48	5,53	1,67
RGA06	-20	4,62	2,39	4,57	2,54	4,52	2,69	4,47	2,84	4,45	3,09		
	-15	5,04	2,16	5,02	2,35	4,99	2,55	4,97	2,75	4,62	2,97	4,23	3,68
	-7	5,72	1,78	5,74	2,06	5,75	2,34	5,76	2,62	4,88	2,78	4,00	2,94
	-2	5,76	1,60	5,65	1,76	5,62	1,98	5,58	2,20	5,09	2,38	4,59	2,55
	2	5,79	1,46	5,58	1,53	5,51	1,70	5,44	1,86	5,25	2,06	5,07	2,25
	7	6,72	1,19	6,57	1,35	6,43	1,50	6,28	1,66	6,12	1,86	5,96	2,07
	12	6,57	0,89	6,36	1,05	6,15	1,22	5,93	1,39	5,74	1,59	5,55	1,79
	15	6,43	0,79	6,13	0,94	5,84	1,08	5,55	1,22	5,24	1,40	4,93	1,58
	20	6,19	0,64	5,76	0,74	5,33	0,84	4,91	0,94	4,41	1,09	3,90	1,25
RGA04	-20	4,21	2,34	4,12	2,36	4,04	2,37	3,96	2,39	3,84	2,71		
	-15	4,57	2,04	4,53	2,15	4,49	2,26	4,45	2,37	4,11	2,68	3,78	3,38
	-7	5,16	1,56	5,18	1,82	5,20	2,08	5,22	2,35	4,53	2,62	3,85	2,90
	-2	5,18	1,35	5,12	1,51	5,05	1,70	4,98	1,89	4,57	2,24	4,15	2,48
	2	5,20	1,19	5,07	1,27	4,93	1,40	4,79	1,53	4,59	1,72	4,39	1,91
	7	5,87	0,99	5,66	1,16	5,52	1,31	5,37	1,46	5,22	1,63	5,06	1,80
	12	5,58	0,77	5,36	0,89	5,09	1,02	4,82	1,14	4,61	1,31	4,41	1,48
	15	5,33	0,65	5,05	0,77	4,77	0,88	4,49	1,00	4,08	1,13	3,68	1,26
	20	4,85	0,45	4,54	0,56	4,24	0,66	3,93	0,77	3,20	0,83	2,47	0,89

Symbols

CC Cooling capacity at maximum operating frequency, measured according to EN 14511.

HC Heating capacity at maximum operating frequency, measured according to EN 14511

PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

LWE Leaving water evaporator temperature [°C]

LWC Leaving water condensor temperature [°C]

Tamb Ambient temperature; RH (heating) = 85%

Conditions

Cooling capacity

Capacity according to standard EN 14511 and valid for chilled water range ΔT = 3~8°C.

Capacity values may not be extrapolated below 7°C leaving water temperature.

Heating capacity

Capacity according to standard EN 14511 and valid for heated water range ΔT = 3~8°C.

Power input

Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

Notes

The capacity and the power input are valid for V3 models at 230 V.

The capacity and the power input are at maximum operation.

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4 Capacity tables

4 - 3 Certification Programs

ERGA04-08DVA

Rated data for certification programmes - heating mode

Tamb [°C]	EWC [°C]	LWC [°C]	*RGA04DAV3 HC [kW]	COP	*RGA06DAV3 HC [kW]	COP	*RGA08DAV3 HC [kW]	COP
10/8	30	35	5,17	5,42	6,17	5,12	7,72	4,72
7/6	30	35	4,30	5,10	6,00	4,85	7,50	4,60
2/1	30	35	3,50	4,10	4,80	3,75	5,60	3,65
-7/-8	30	35	4,50	3,10	5,50	2,90	6,00	2,70
7/6	40	45	4,60	3,65	5,90	3,50	7,80	3,50
2/1	40	45	4,20	2,80	5,00	2,80	6,00	2,75
-7/-8	40	45	4,35	2,40	5,00	2,35	6,10	2,21
7/6	47	55	4,90	2,65	5,80	2,70	7,50	2,70
-7/-8	47	55	4,20	1,60	5,00	1,65	5,50	1,70

Rated data for certification programmes - heating mode

Tamb [°C]	EWC [°C]	LWC [°C]	ERGA04DAV3A HC [kW]	COP	ERGA06DAV3A HC [kW]	COP	ERGA08DAV3A HC [kW]	COP
10/8	30	35	5,17	5,42	6,17	5,12	7,72	4,72
7/6	30	35	4,30	5,10	6,00	4,85	7,50	4,60
2/1	30	35	3,50	4,10	4,80	3,75	5,60	3,65
-7/-8	30	35	4,50	3,10	5,50	2,90	6,00	2,70
7/6	40	45	4,60	3,65	5,90	3,50	7,80	3,50
2/1	40	45	4,20	2,80	5,00	2,80	6,00	2,75
-7/-8	40	45	4,35	2,40	5,00	2,35	6,02	2,21
7/6	47	55	4,90	2,65	5,80	2,70	7,50	2,70
-7/-8	47	55	4,20	1,60	4,91	1,65	4,86	1,70

Rated data for certification programmes - cooling mode

Tamb [°C]	EWE [°C]	LWE [°C]	*RGA04DA* CC [kW]	EER	*RGA06DA* CC [kW]	EER	*RGA08DA* CC [kW]	EER
35	23	18	4,86	5,98	5,96	5,61	6,25	5,40
35	12	7	4,31	3,64	4,87	3,67	5,35	3,54

Symbols

HC	Heating capacity measured according to EN 14511
CC	Cooling capacity, measured according to EN 14511.
COP/EER	Coefficient of Performance/Energy efficiency ratio according to EN 14511.
EWC	Entering water condenser temperature [°C]
LWC	Leaving water condensor temperature [°C]
EWE	Entering water evaporator temperature [°C]
LWE	Leaving water evaporator temperature [°C]
Tamb	Ambient temperature [°C DB/WB]

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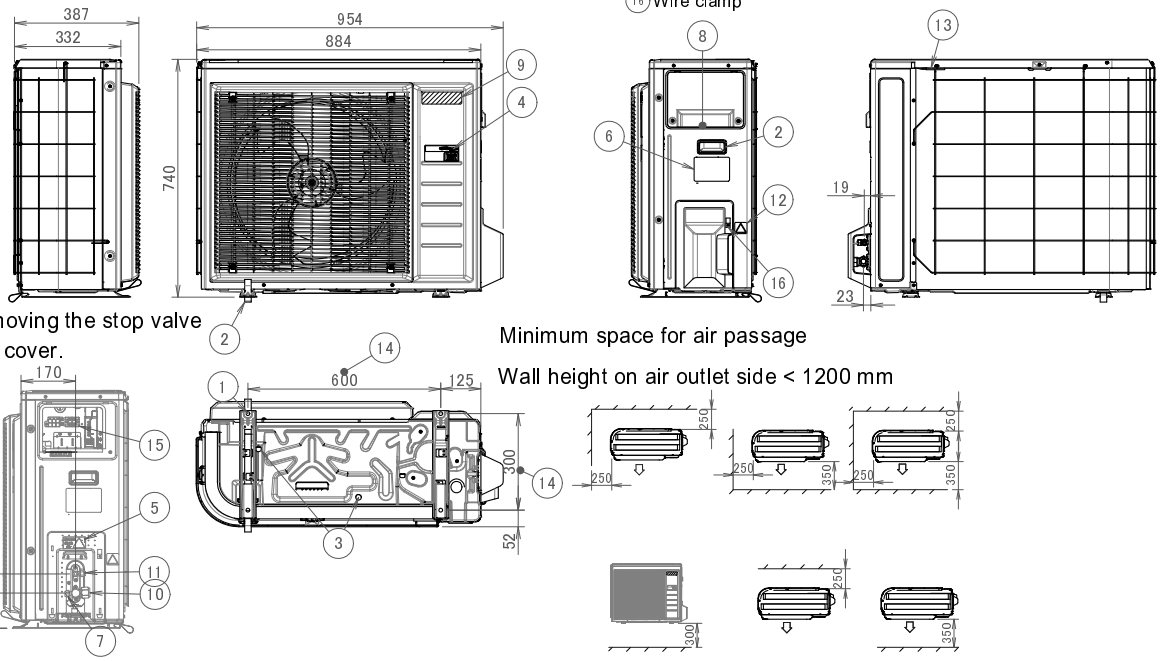
5 Dimensional drawings

5 - 1 Dimensional Drawings

ERGA04-08DVA

1. 4 holes for anchor bolts M8 OR M10
2. Handle
3. Drain outlet
4. Nameplate
5. Caution label
6. Manufacturer label
7. Service port
8. Wiring intake area
9. Brand name label
10. Gas stop valve
11. Liquid stop valve
12. Product liability label
13. Outdoor air temperature thermistor
14. Pitch of foundation bolt holes
15. Terminal strip with earth terminal
16. Wire clamp



In case of removing the stop valve cover.

Minimum space for air passage

Wall height on air outlet side < 1200 mm

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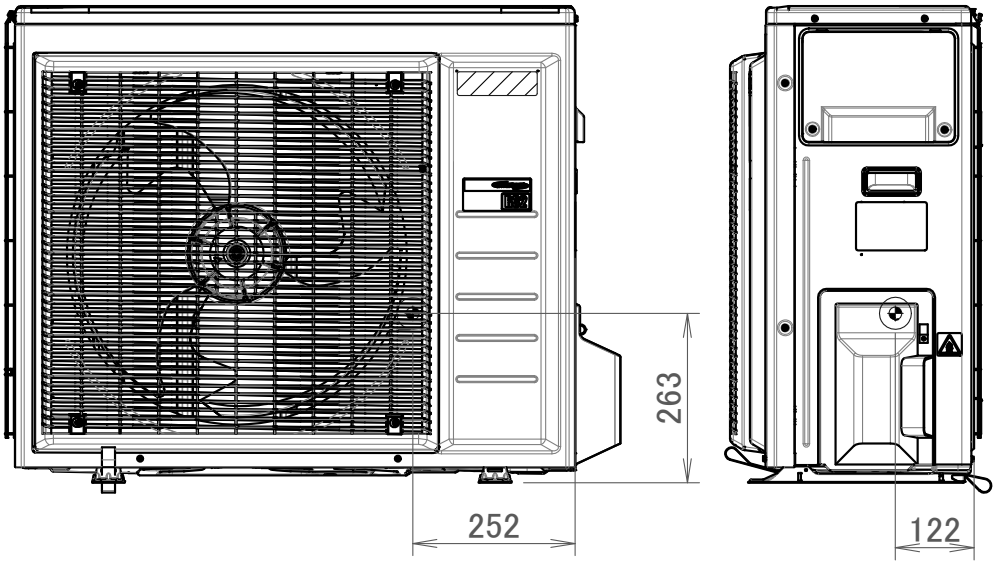
6 Centre of gravity

6 - 1 Centre of Gravity

ERGA04-08DVA



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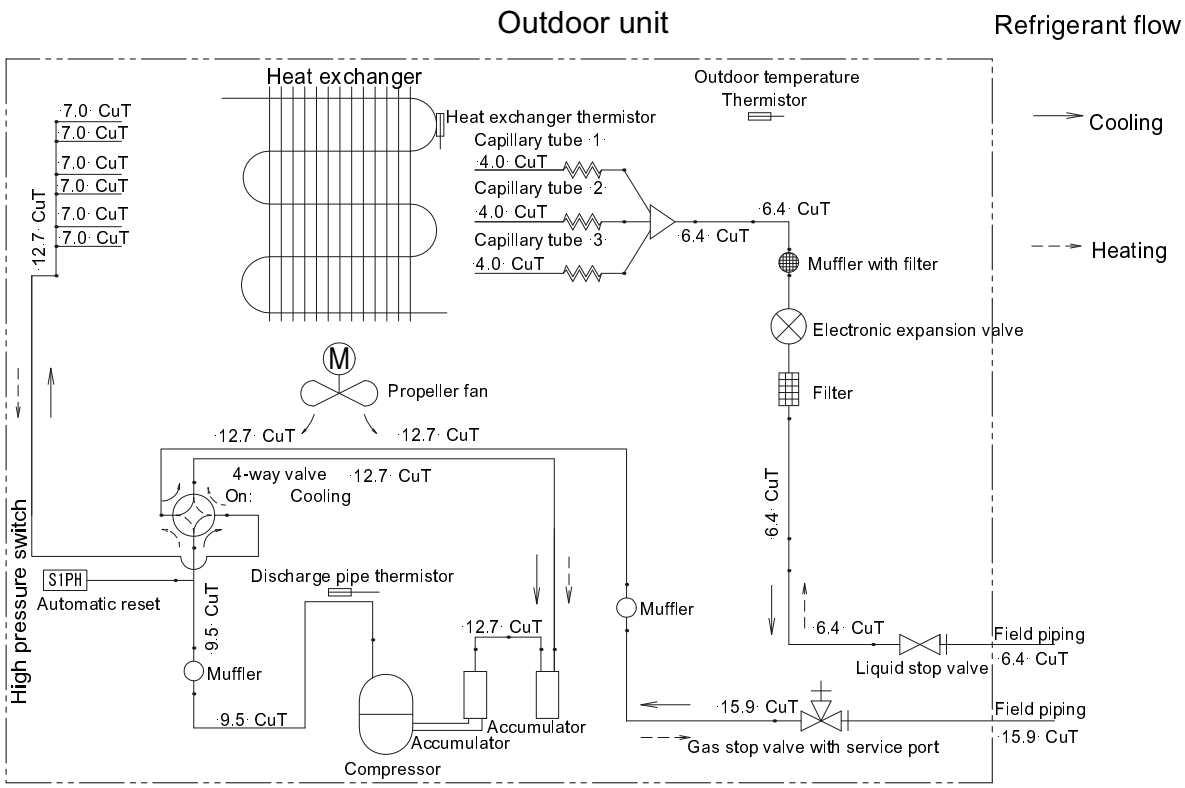
7 Piping diagrams

7 - 1 Piping Diagrams

ERGA04-08DVA



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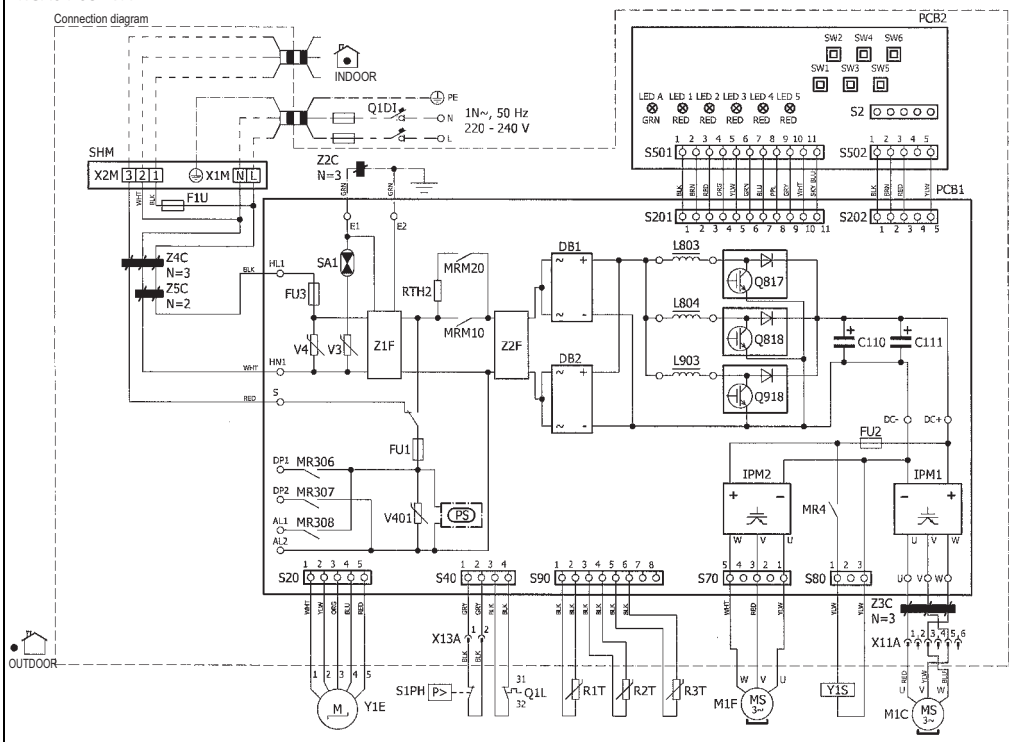
8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

ERGA04-08DVA



: Connection : Option : Wiring depending on
: Main terminal : Switch box model : Protective earth
: Earth wiring : PCB : Field wire
: Field supply

NOTES

1. When operating, do not short-circuit protection device(s) S1PH.
2. Refer to the combination table and the option manual for how to connect the wiring to X6A, X28A and X77A.
3. Colours: BLK: Black, RED: Red, BLU: Blue, WHT: White, GRN: Green, YLW: Yellow.

LEGEND # : Field supply * Optional

Part n°		Description
AL*		Connector
C*		Capacitor
DB*		Rectifier bridge
DC*		Connector
DP*		Connector
E*		Connector
F1U		Fuse T 6,3 A 250 V
FU1, FU2		Fuse T 3,15 A 250 V
FU3		Fuse T 30 A 250 V
H*		Connector
IPM*		Intelligent power module
L		Connector
LED 1~5		Indication lamp
LED A		Pilot lamp
L*		Reactor
M1C		Compressor motor
M1F		Fan motor
MR*		Magnetic relay
N		Connector
PCB1		Printed circuit board (main)
PCB2		Printed circuit board (service)
PS		Switching power supply
Q1L		Thermal protector
Q1DI	#	Earth leakage circuit breaker
Q*		Insulated gate bipolar transistor (IGBT)
R1T		Thermistor (air)
R2T		Thermistor (heat exchanger)
R3T		Thermistor (discharge)
RTH2		Resistor
S		Connector
S1PH		High pressure switch
S20~S02		Connector
SA1		Surge arrestor
SHM		Terminal strip fixed plate
SW*		Switch
U, V, W		Connector
V3, V4, V401		Varistor
X*A		Connector
X*M		Terminal strip
Y1E		Electronic expansion valve
Y1S		Solenoid valve (4-way valve)
Z*C		Noise filter (ferrite core)
Z*F		Noise filter

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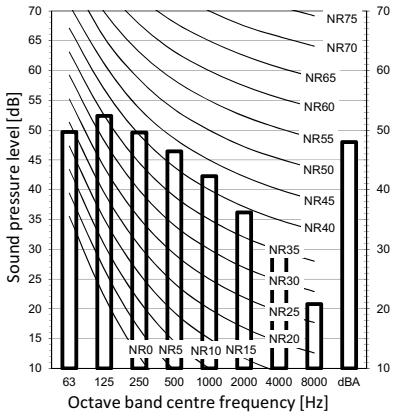
9 Sound data

9 - 1 Sound Pressure Spectrum - Cooling

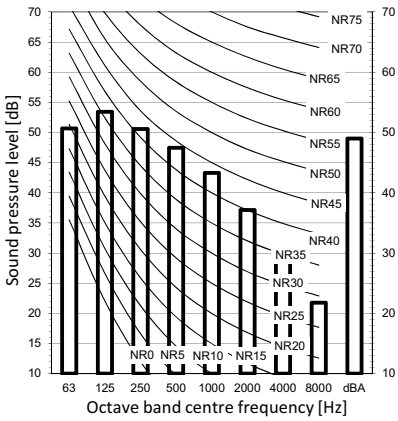
ERGA04-08DVA

Cooling

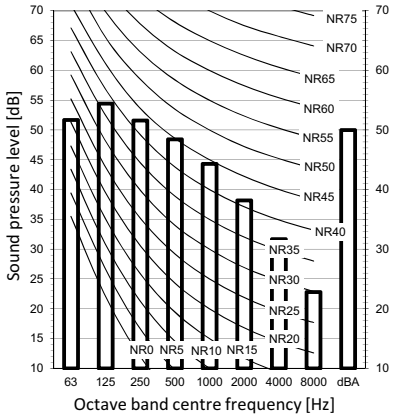
RGA04



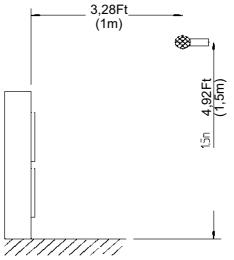
RGA06



RGA08



Notes
1. Data is valid at free field condition.
   Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa
5. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



Measuring location (discharge side)

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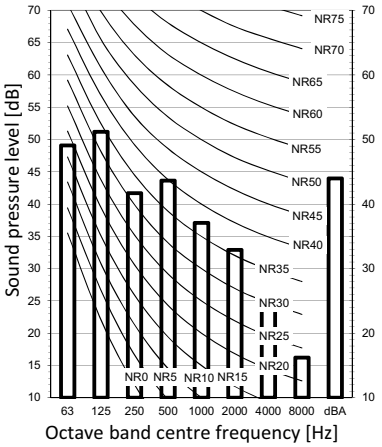
9 Sound data

9 - 2 Sound Pressure Spectrum - Heating

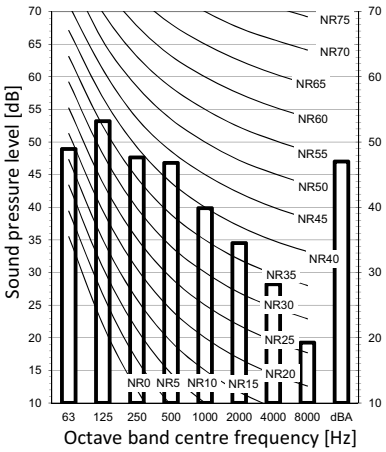
ERGA04-08DVA

Heating

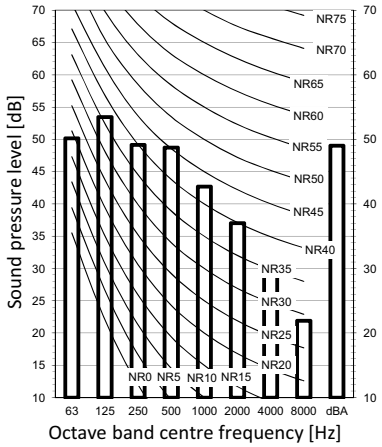
RGA04



RGA06

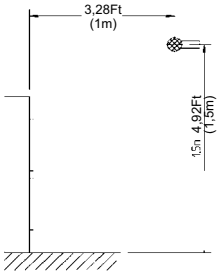


RGA08



Notes

1. Data is valid at free field condition.
   Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa
5. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



Measuring location (discharge side)

3D111594A

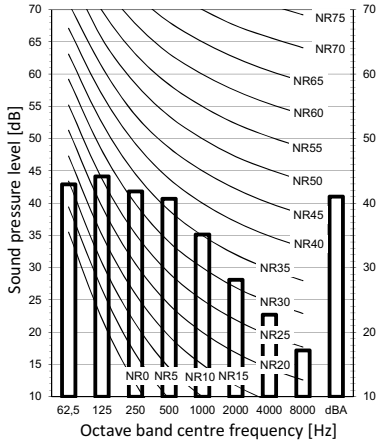
9 Sound data

9 - 3 Sound Pressure Spectrum Quiet Mode

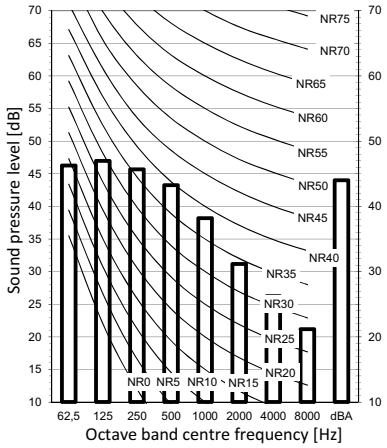
ERGA04-08DVA

Heating more quiet mode

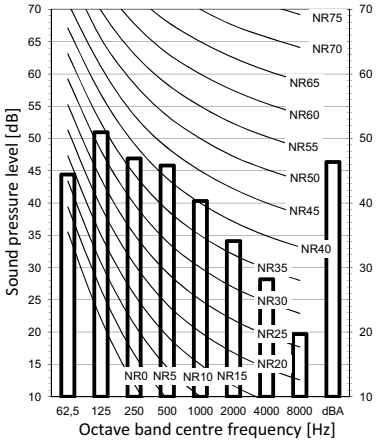
RGA04



RGA06

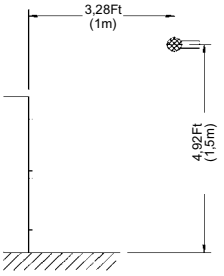


RGA08



Notes

1. Data is valid at free field condition.
   Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa
5. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



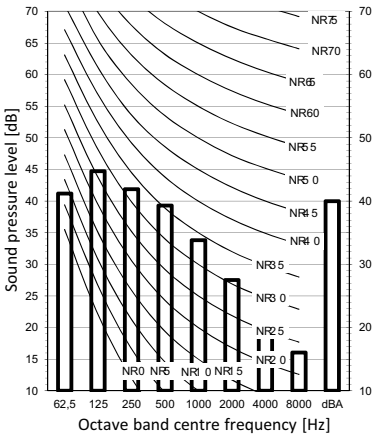
Measuring location (discharge side)

3D116213

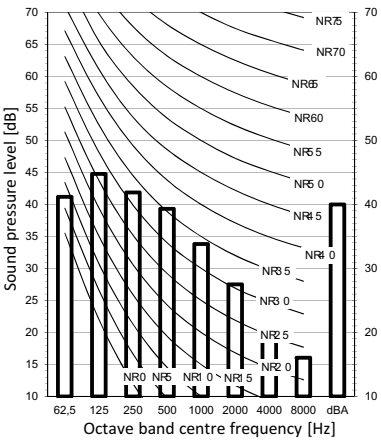
ERGA04-08DVA

Heating most quiet mode

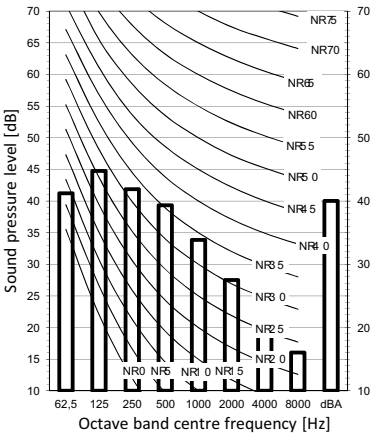
RGA04



RGA06

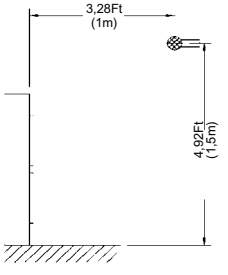


RGA08



Notes

1. Data is valid at free field condition.
   Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa
5. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



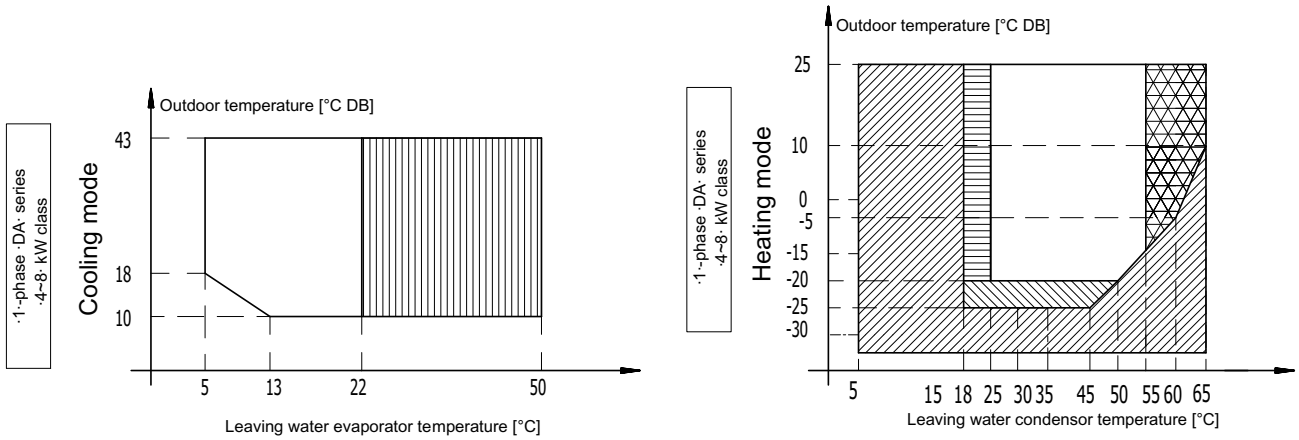
Measuring location (discharge side)

3D116214

10 Operation range

10 - 1 Operation Range

ERGA04-08DVA



Legend

Backup heater only operation
No outdoor unit operation

Outdoor unit operation if setpoint ≥ ·25°C·

Operation of outdoor unit possible, but with possible capacity reduction.
If the outdoor temperature < –25°C, the outdoor unit will stop.
Indoor unit and backup heater operation will continue.

Pull-down area

Outdoor unit operation if setpoint > 55·°C and ΔT = ·10·°C (ΔT = outlet temperature – inlet temperature)

Remark

In restricted power supply mode, the outdoor unit, booster heater and backup heater can only operate separately.

Warning

In areas with low ambient temperatures and high humidity, or in areas with heavy snowfall, remove the suction grille to ensure proper operation.

Non-exhaustive list of areas: Austria, Czech Republic, Denmark, Estonia, Finland, Germany, Hungary, Latvia, Lithuania, Norway, Poland, Romania, Serbia, Slovakia, Sweden, ...

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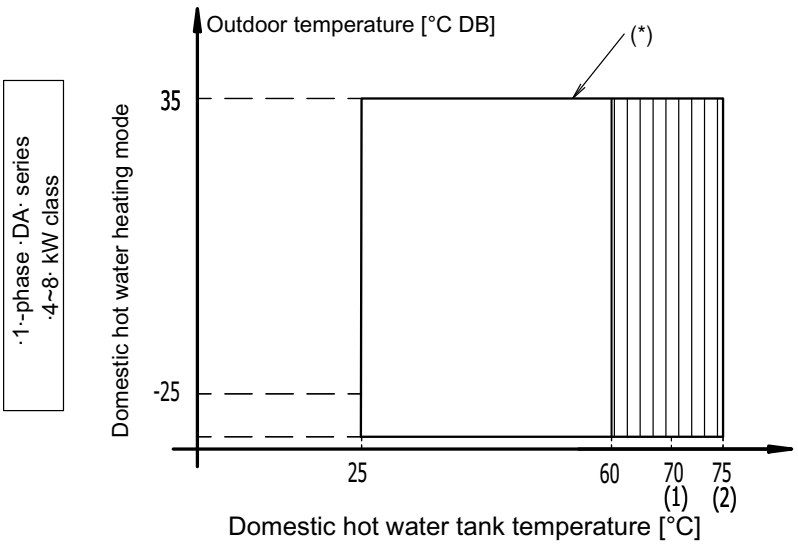
ERGA04-08DVA



Legend

Booster heater only operation (if a booster heater is part of the system)
(1) ·EHV*DAV*· indoor units only
(2) Combination of ·EKHWS*DA*· and ·EHB*DAV*· indoor units

(*) System operation: the system consists of an outdoor unit and indoor unit, and depending on the system, a booster heater and/or a backup heater.

Remark

In restricted power supply mode (·EKHW*· only), the outdoor unit, booster heater and backup heater can only operate separately.
If the outdoor temperature <-20°C, then outdoor unit operation is possible, but with a possible capacity reduction.
If the outdoor temperature < –25°C, the outdoor unit will stop.
Indoor unit and backup heater operation will continue.

3D111564B

Daikin Europe N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende

EEDEN19 03/19

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