



Heating
Technical Data

ERGA04-08DVA



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ERGA04-08DVA

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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	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		
			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	35			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	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					EBH04D6V/ERGA04DVA	EBH08D6V/ERGA06DVA	EBH08D6V/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	0.5	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				EBH04D6V/ERGA04DVA	EBH08D6V/ERGA06DVA	EBH08D6V/ERGA08DVA
Space heating general	Air to water unit	Rated airflow (outdoor)	m³/h	2,280.0	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	6.0		
Domestic hot water heating	Average climate	η _{wh} (water heating efficiency)	%	-		
	Cold climate	η _{wh} (water heating efficiency)	%	-		
	Warm climate	η _{wh} (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	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	35	
		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					EEBH08D9W/ERGA06DVA	EEBH08D9W/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	
	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			
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	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			
			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		35					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)		kW		2.5				3.0	
			Tbiv (bivalent temperature)		COPd		1.97		2.12		2.18	
					Pdh		5.3		6.1		6.4	
					PERd		79		85		87	
					Tbiv		-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					EHBX04D6V/ERGA04DVA	EHBX08D6V/ERGA06DVA	EHBX08D6V/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		-10		
			WTOL		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	0.5	1.0	
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			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					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
	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	6.0		
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	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	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	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	35	
		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					EHBX08D9W/ERGA06DVA	EHBX08D9W/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				EHBX08D9W/ERGA06DVA	EHBX08D9W/ERGA08DVA
Space heating general	Air to water unit	Rated airflow (outdoor)	m³/h	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	
Domestic hot water heating	Integrated supplementary heater	Psup	kW	9.0	
	Average climate	η _{wh} (water heating efficiency)	%	-	
	Cold climate	η _{wh} (water heating efficiency)	%	-	
Heating capacity	Warm climate	η _{wh} (water heating efficiency)	%	-	
	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	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						
			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	35								
		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	0.5	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				EHVH04S23DV/ ERGA04DVA	EHVH08S23DV/ ERGA06DVA	EHVH08S23DV/ ERGA08DVA
Space heating general	Air to water unit	Rated airflow (outdoor)	m³/h	2,280.0	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		
Domestic hot water heating	General	Declared load profile		XL		
		Function to fix water heating during off peak hours		Yes		
	Average climate	AEC (Annual electricity consumption)	kWh	1,252		
		η _{wh} (water heating efficiency)	%	134		
		Q _{fuel} (Daily fuel consumption)	kWh	5.820		
		Water heating energy efficiency class		A		
	Cold climate	AEC (Annual electricity consumption)	kWh	1,457		
		η _{wh} (water heating efficiency)	%	115		
		Q _{elec} (Daily electricity consumption)	kWh	6.760		
		AEC (Annual electricity consumption)	kWh	1,033		
	Warm climate	η _{wh} (water heating efficiency)	%	163		
		Q _{elec} (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					EHVH04S23DVG/ ERGA04DVA	EHVH08S23DVG/ ERGA06DVA	EHVH08S23DVG/ ERGA08DVA
2-1 Capacity and Power input							
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	
			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	35		
		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					EHVH04S23DVG/ ERGA04DVA	EHVH08S23DVG/ ERGA06DVA	EHVH08S23DVG/ ERGA08DVA
2-1 Capacity and Power input							
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	0.5	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					EHVH04S23DVG/ ERGA04DVA	EHVH08S23DVG/ ERGA06DVA	EHVH08S23DVG/ ERGA08DVA
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0	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		
Domestic hot water heating	General	Declared load profile			XL		
		Function to fix water heating during off peak hours			Yes		
	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)
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.		kW	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	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					
			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	35							
		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	0.5		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	
	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	6.0					
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	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	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					
			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	35							
		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	0.5		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	
	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	6.0					
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	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					EHVH08S18D9W/ ERGA06DVA		EHVH08S23D9W/ ERGA06DVA		EHVH08S18D9W/ ERGA08DVA		EHVH08S23D9W/ ERGA08DVA	
2-1 Capacity and Power input												
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	35							
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.5		3.0					
			Tbiv (bivalent temperature)		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			
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	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					EHVH08S18D9WG/ ERGA06DVA		EHVH08S23D9WG/ ERGA06DVA		EHVH08S18D9WG/ ERGA08DVA		EHVH08S23D9WG/ ERGA08DVA	
2-1 Capacity and Power input												
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	35							
		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	
	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			
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	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	SCOP		3.26	
			Annual energy consumption	kWh	3,806	
			ηs (Seasonal space heating efficiency)	%	127	
			Prated at -10°C	kW	6.0	
			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	35	
		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	4,468	
			ηs (Seasonal space heating efficiency)	%	107	
			Prated at -22°C	kW	5.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	
			ηs (Seasonal space heating efficiency)	%	148	
			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		4.48	
			Annual energy consumption	kWh	2,766	
			ηs (Seasonal space heating efficiency)	%	176	
			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	0.5	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230	
			ηs (Seasonal space heating efficiency)	%	150	
			Prated at -22°C	kW	5.0	
			Qhe Annual energy consumption (GCV)	Gj	-	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	
			ηs (Seasonal space heating efficiency)	%	241	
			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			
	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	3.0			
Domestic hot water heating	General	Declared load profile			L		XL	
		Function to fix water heating during off peak hours			Yes			
	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	5.56 (1) / 4.37 (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	SCOP		3.26	
			Annual energy consumption	kWh	3,806	
			ηs (Seasonal space heating efficiency)	%	127	
			Prated at -10°C	kW	6.0	
			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	35	
		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	4,468	
			ηs (Seasonal space heating efficiency)	%	107	
			Prated at -22°C	kW	5.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	
			ηs (Seasonal space heating efficiency)	%	148	
			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		4.48	
			Annual energy consumption	kWh	2,766	
			ηs (Seasonal space heating efficiency)	%	176	
			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	0.5	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230	
			ηs (Seasonal space heating efficiency)	%	150	
			Prated at -22°C	kW	5.0	
			Qhe Annual energy consumption (GCV)	Gj	-	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	
			ηs (Seasonal space heating efficiency)	%	241	
			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			
	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	3.0			
Domestic hot water heating	General	Declared load profile			L		XL	
		Function to fix water heating during off peak hours			Yes			
	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	5.56 (1) / 4.37 (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	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				
			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	35						
		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

2

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		4.48		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	0.5		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					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	
	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	6.0					
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	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	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)	
	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	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				
			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	35						
		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					EHVX04S18D6VG/ ERGA04DVA	EHVX04S23D6VG/ ERGA04DVA	EHVX08S18D6VG/ ERGA06DVA	EHVX08S23D6VG/ ERGA06DVA	EHVX08S18D6VG/ ERGA08DVA	EHVX08S23D6VG/ 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	0.5		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					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	
	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	6.0					
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	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	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)	
	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	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	35								
		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					EHVX08S18D9W/ ERGA06DVA		EHVX08S23D9W/ ERGA06DVA		EHVX08S18D9W/ ERGA08DVA		EHVX08S23D9W/ 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					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	
	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			
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	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					EHVX08S18D9WG/ ERGA06DVA		EHVX08S23D9WG/ ERGA06DVA		EHVX08S18D9WG/ ERGA08DVA		EHVX08S23D9WG/ ERGA08DVA	
2-1 Capacity and Power input												
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	35							
		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					EHVX08S18D9WG/ ERGA06DVA		EHVX08S23D9WG/ ERGA06DVA		EHVX08S18D9WG/ ERGA08DVA		EHVX08S23D9WG/ 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

2

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	
	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			
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	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

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 ₂ eq	-	
				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 $\Delta T = 3 \sim 8^\circ\text{C}$.
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 $\Delta T = 3 \sim 8^\circ\text{C}$.

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	6,22	3,21	6,14	3,43	6,06	3,66	5,98	3,89	5,89	4,11		
	-15	6,62	2,88	6,58	3,16	6,53	3,44	6,48	3,72	6,33	4,02	6,33	4,27
	-7	7,27	2,37	7,28	2,73	7,29	3,08	7,30	3,44	7,02	3,86	6,74	4,28
	-2	7,23	2,11	7,24	2,41	7,26	2,72	7,27	3,02	7,05	3,37	6,83	3,72
	2	7,20	1,90	7,22	2,16	7,23	2,42	7,25	2,68	7,07	2,97	6,90	3,27
	7	9,63	1,84	9,37	2,08	9,12	2,31	8,86	2,55	8,74	3,00	8,61	3,45
	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	2,65	5,13	2,82	5,08	3,00	5,02	3,17	5,00	3,44		
	-15	5,59	2,38	5,56	2,60	5,53	2,83	5,50	3,05	5,22	3,35	4,91	3,54
	-7	6,24	1,95	6,25	2,25	6,25	2,56	6,26	2,86	5,58	3,21	4,91	3,54
	-2	6,22	1,72	6,20	1,97	6,19	2,22	6,17	2,48	5,74	2,75	5,32	3,03
	2	6,20	1,53	6,17	1,74	6,13	1,95	6,10	2,17	5,87	2,39	5,65	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	7,79	1,06	7,52	1,27	7,26	1,47	6,99	1,68	6,76	1,92	6,54	2,16
	15	7,60	0,95	7,25	1,13	6,89	1,30	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	6,87	3,40	6,75	3,60	6,62	3,81	6,50	4,01	6,37	4,22				
	-15	7,52	3,11	7,36	3,35	7,20	3,60	7,04	3,85	6,78	4,11				
	-7	8,55	2,64	8,33	2,95	8,12	3,27	7,90	3,58	7,44	3,94	6,98	4,30		
	-2	9,06	2,31	8,82	2,62	8,58	2,93	8,34	3,25	7,99	3,58	7,64	3,91		
	2	9,46	2,05	9,20	2,36	8,94	2,67	8,69	2,98	8,43	3,28	8,17	3,59		
	7	9,63	1,84	9,37	2,08	9,12	2,31	8,86	2,55	8,74	3,00	8,61	3,45		
	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	5,62	3,21	5,40	3,44				
	-15	6,54	2,54	6,37	2,73	6,20	2,91	6,03	3,10	5,68	3,39				
	-7	7,50	2,12	7,23	2,39	6,96	2,66	6,69	2,92	6,12	3,31	5,55	3,69		
	-2	7,64	1,88	7,40	2,12	7,17	2,36	6,93	2,60	6,49	2,91	6,06	3,21		
	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 condenser temperature [°C]
 Tamb Ambient temperature; RH (heating) = 85%

Conditions

Cooling capacity

Capacity according to standard EN 14511 and valid for chilled water range $\Delta T = 3^{\circ}\text{C}$ to 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 $\Delta T = 3^{\circ}\text{C}$ to 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		*RGA06DAV3		*RGA08DAV3	
			HC [kW]	COP	HC [kW]	COP	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		ERGA06DAV3A		ERGA08DAV3A	
			HC [kW]	COP	HC [kW]	COP	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*		*RGA06DA*		*RGA08DA*	
			CC [kW]	EER	CC [kW]	EER	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

5

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

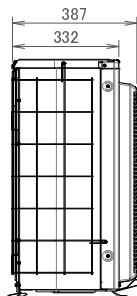
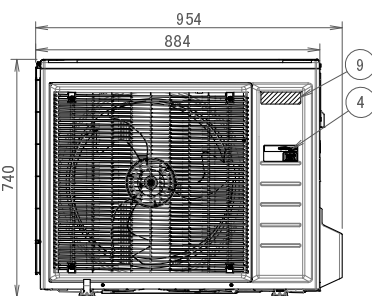
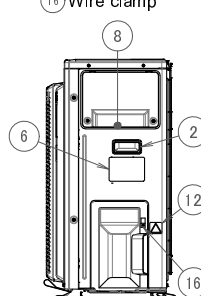
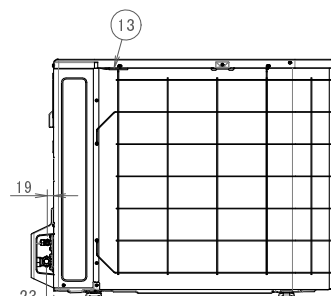
⑫ Product liability label

⑬ Outdoor air temperature thermistor

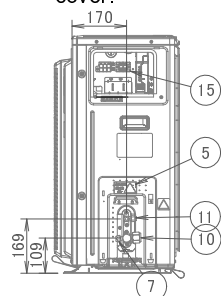
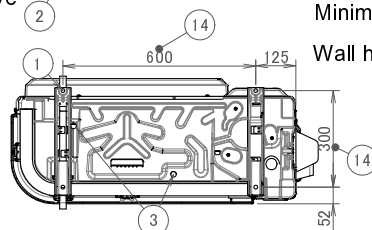
⑭ Pitch of foundation bolt holes

⑮ Terminal strip with earth terminal

⑯ Wire clamp

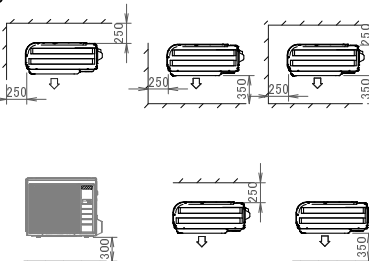


In case of removing the stop valve cover.



Minimum space for air passage

Wall height on air outlet side < 1200 mm

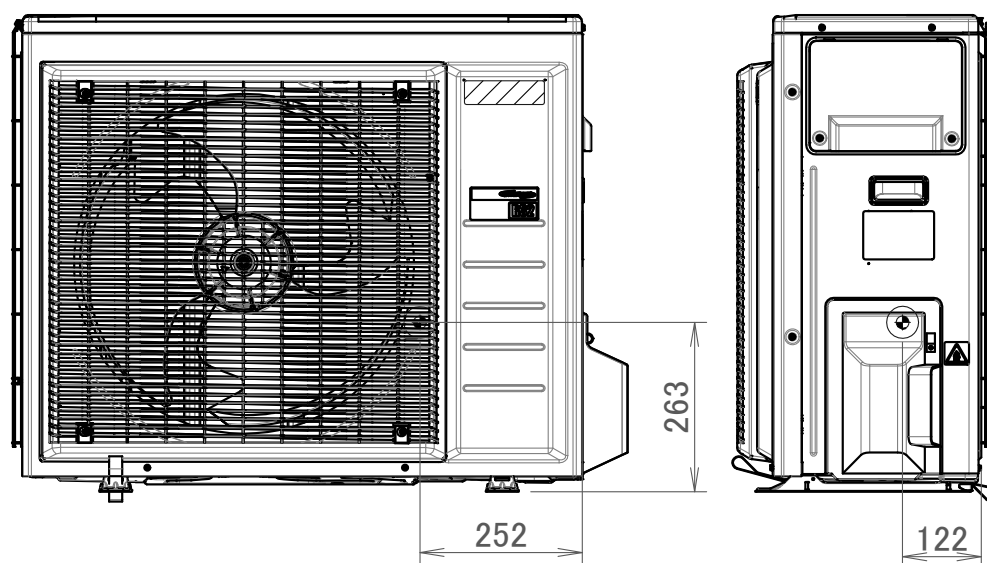


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6 Centre of gravity

6 - 1 Centre of Gravity

ERGA04-08DVA

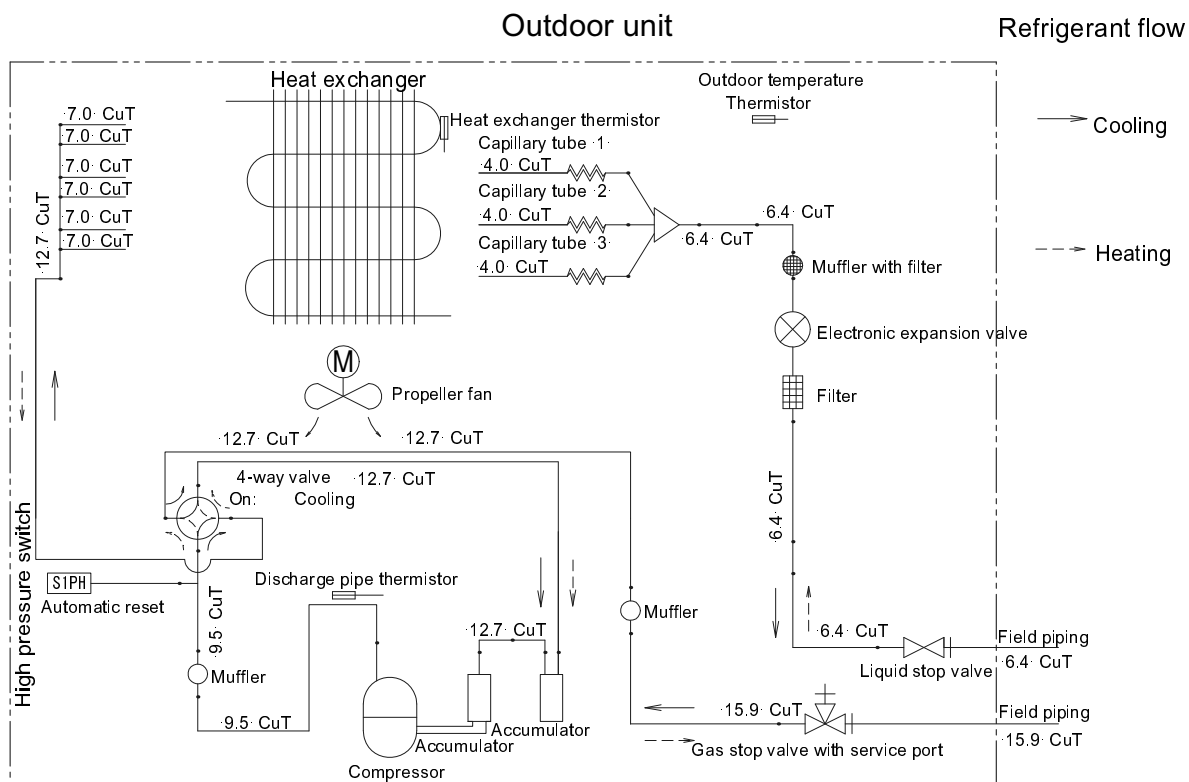


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7 Piping diagrams

7 - 1 Piping Diagrams

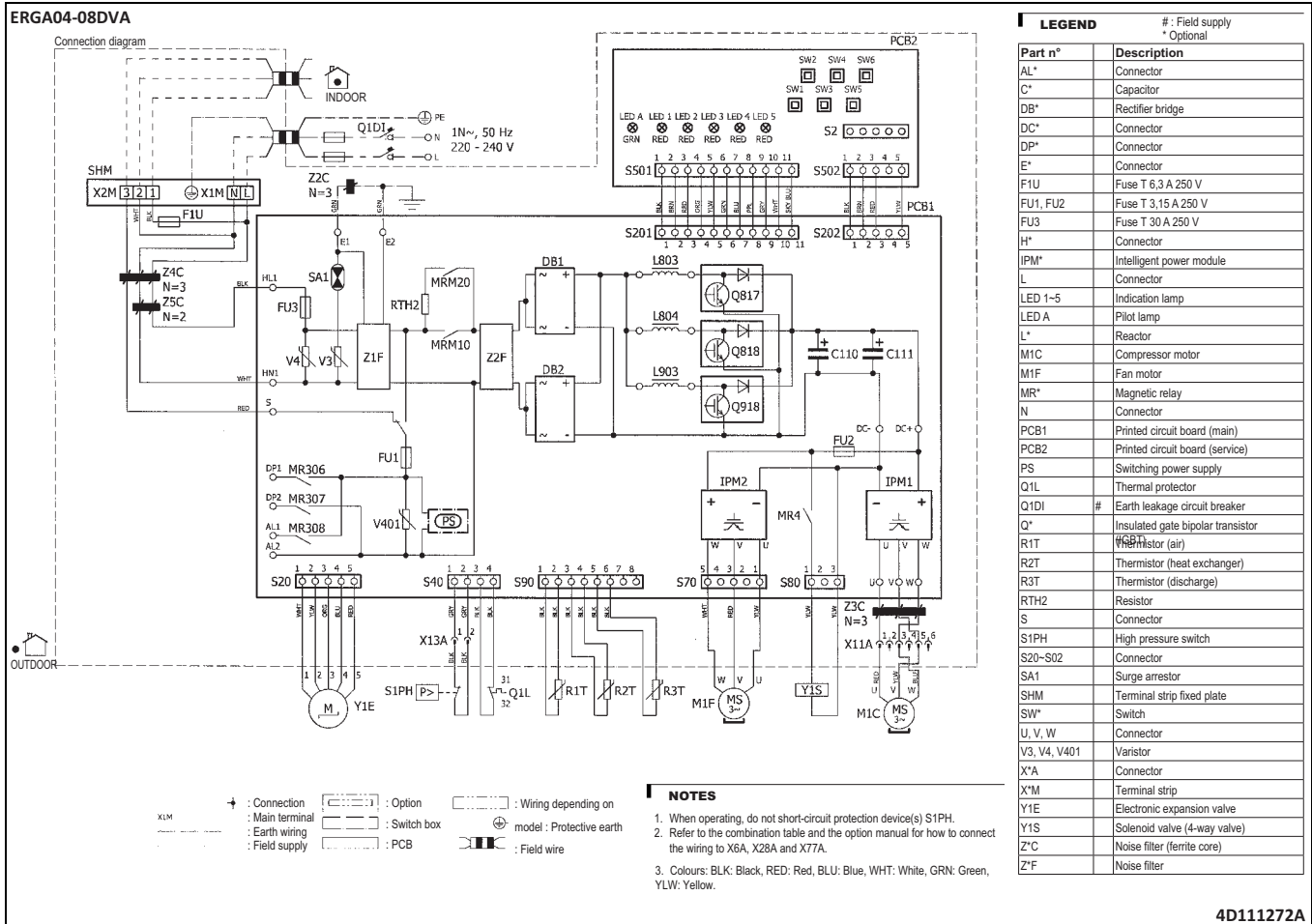
ERGA04-08DVA



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8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase



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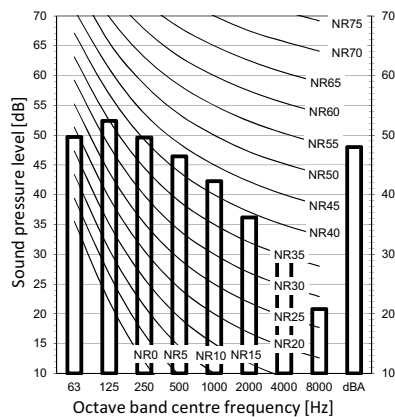
9 Sound data

9 - 1 Sound Pressure Spectrum - Cooling

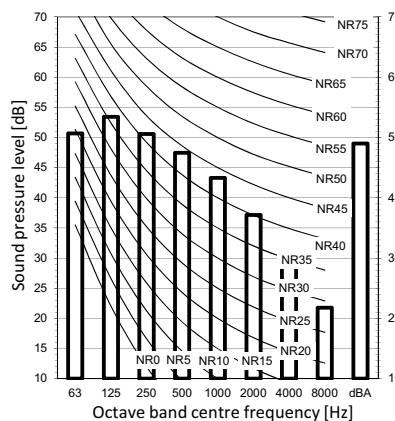
ERGA04-08DVA

Cooling

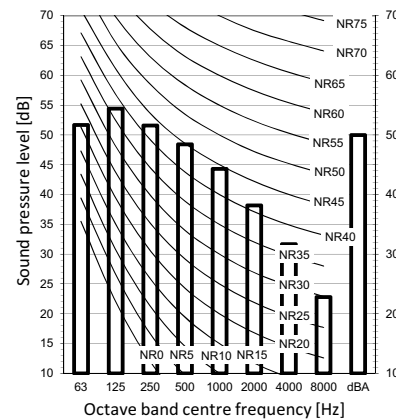
RGA04



RGA06

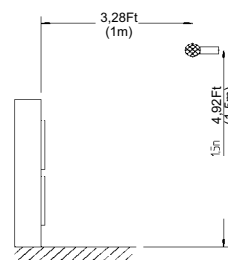


RGA08



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 μ Pa
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)

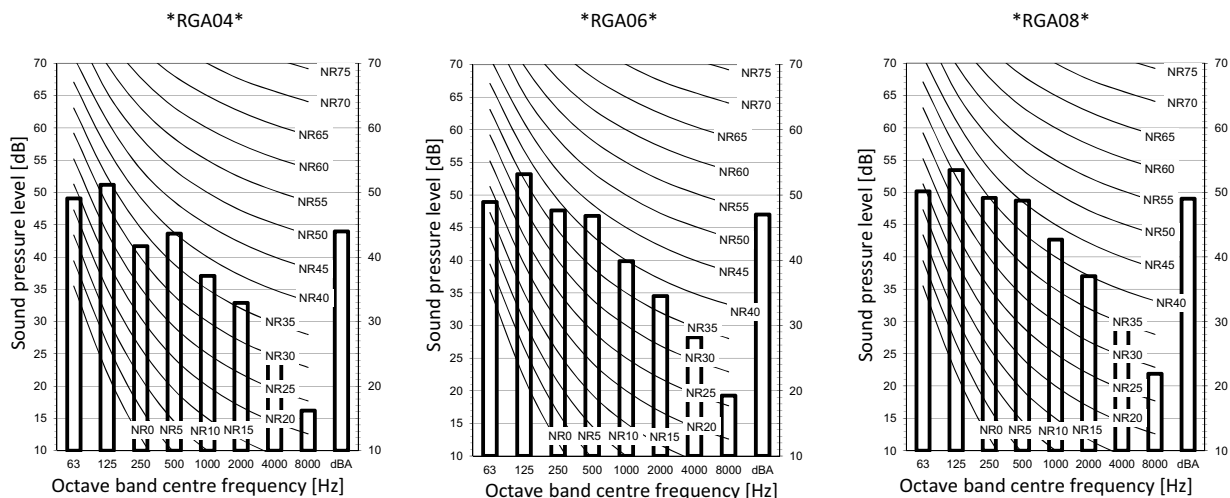
3D111595

9 Sound data

9 - 2 Sound Pressure Spectrum - Heating

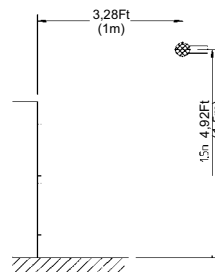
ERGA04-08DVA

Heating



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 μ Pa
5. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



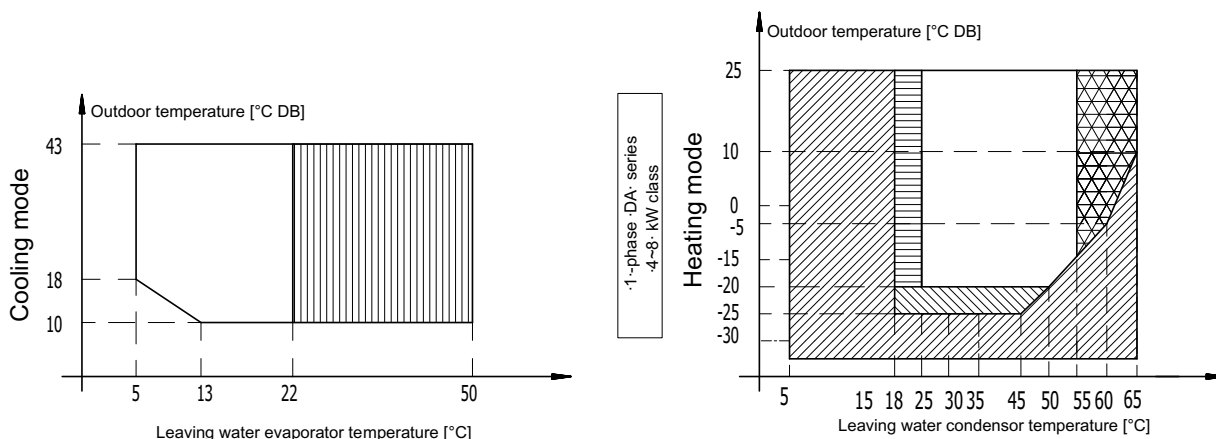
Measuring location (discharge side)

3D111594A

10 Operation range

10 - 1 Operation Range

ERGA04-08DVA



Legend

- Backup heater only operation
No outdoor unit operation
- Outdoor unit operation if setpoint $\geq -25^{\circ}\text{C}$
- Operation of outdoor unit possible, but with possible capacity reduction.
If the outdoor temperature $< -25^{\circ}\text{C}$, the outdoor unit will stop.
Indoor unit and backup heater operation will continue.
- Pull-down area
- Outdoor unit operation if setpoint $> 55^{\circ}\text{C}$ and $\Delta T = -10^{\circ}\text{C}$ (ΔT = outlet temperature – inlet temperature)

Remark

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

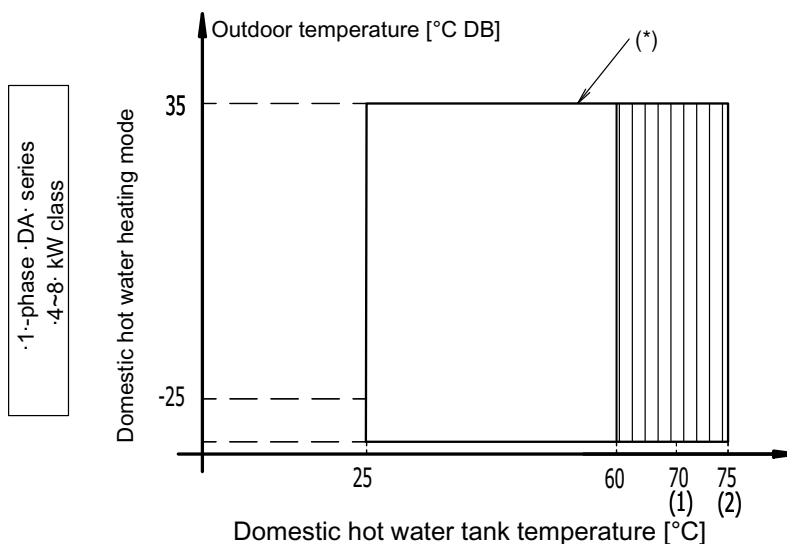
Warning

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.

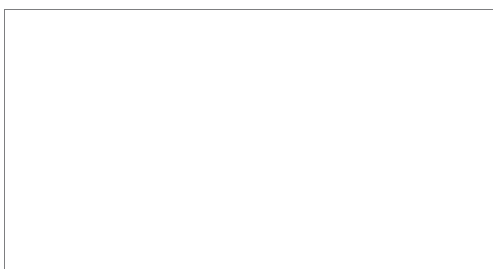
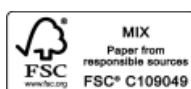
Remark

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

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