Daikin Altherma low temperature split Technical Data

ERGA-EV
ERGA06-08EVH

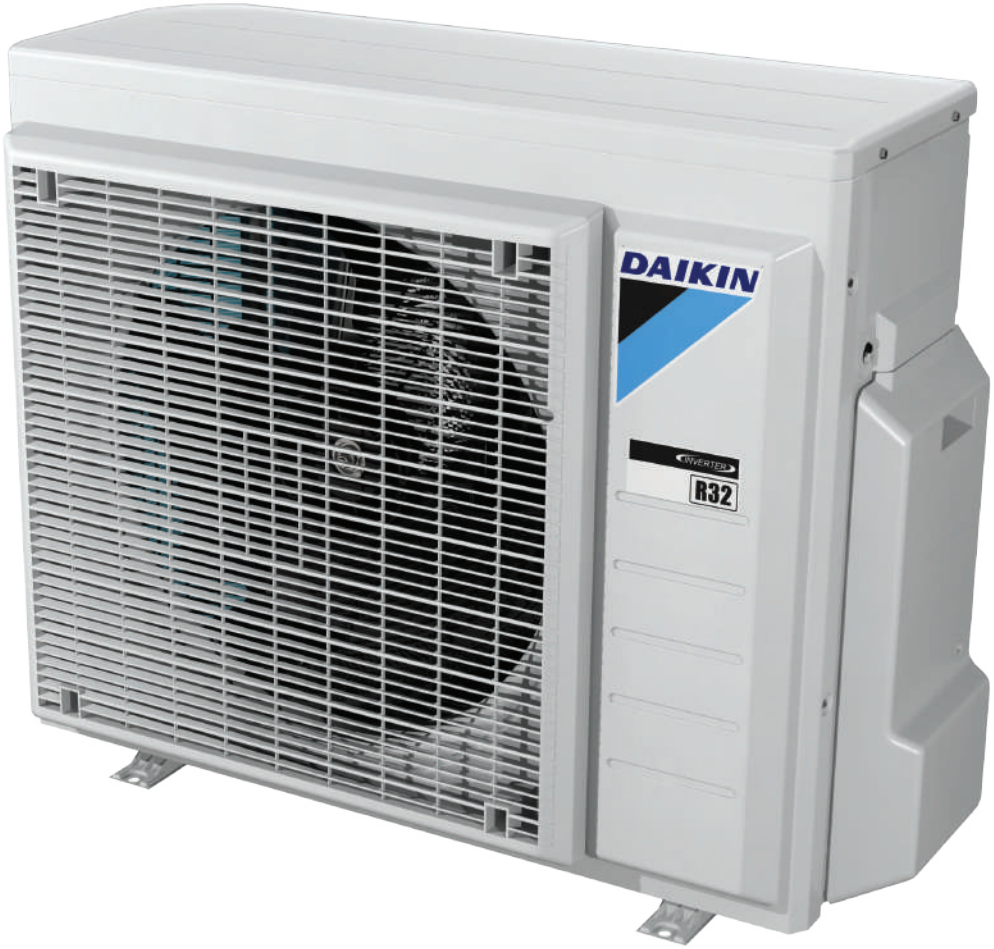


TABLE OF CONTENTS

ERGA-EV / ERGA06-08EVH

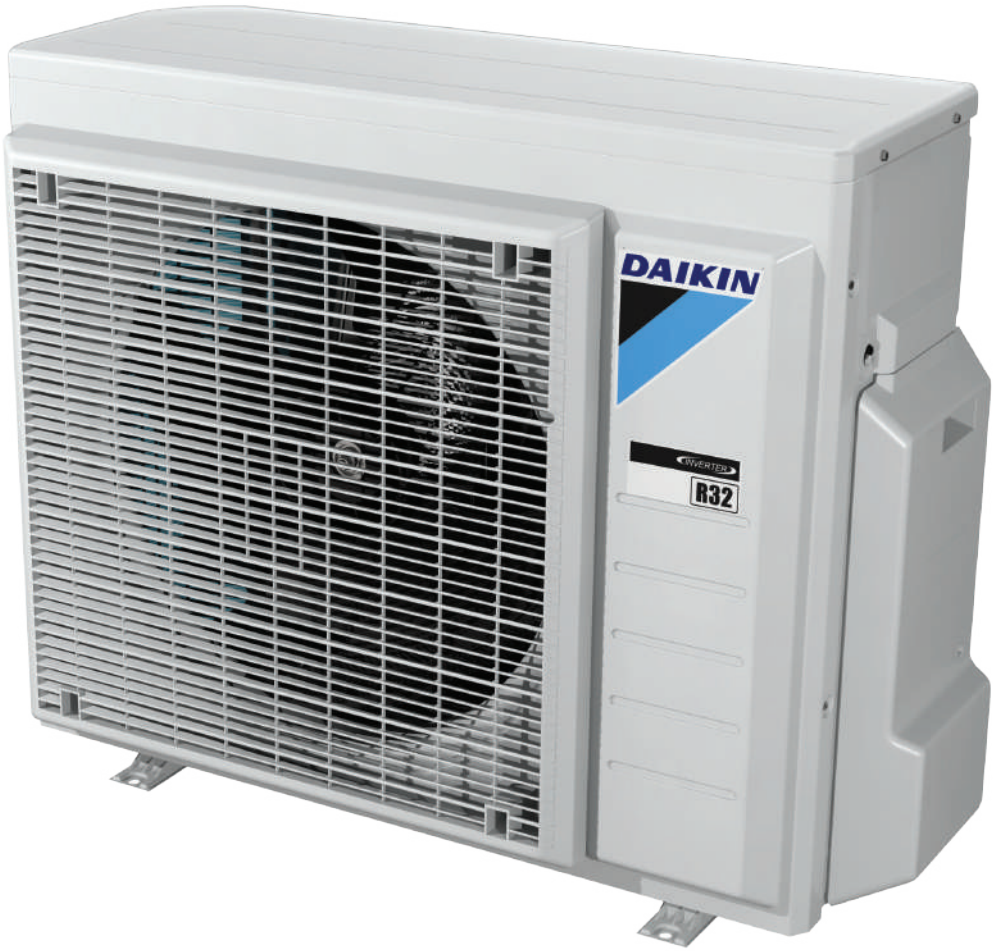
1 Features

1 - 1 ERGA-EV / ERGA06-08EVH

› Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge

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

› WLAN cartridge included



-25°
Guaranteed operation down to -25°C

Onecta app (optional)

Online controller

2 Specifications

Technical specifications					EHBH04E6V + ERGA04EV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)
COP					5.10 (1) / 3.65 (2)
Pump	Nominal ESP unit	Heating		kPa	59.6 (1) / 58.6 (2)
Water side Heat exchanger	Water flow rate	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
Space heating general	Air to water unit	Rated airflow (outdoor)		m^3/h	2,280.0
	Other	Capacity control			Inverter
		Pck (Crankcase heater mode)		kW	0.000
		Poff (Off mode)		kW	0.010
		Psb (Standby mode)		kW	0.010
		Pto (Thermostat off)		kW	0.010
	Integrated supplementary heater	Psup		kW	6.0
		Type of energy input			Electrical
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806
			ηs (Seasonal space heating efficiency)	%	127
			Prated at -10°C	kW	6.0
			Qhe Annual energy consumption (GCV)	Gj	13.7
			SCOP		3.26
			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

2 Specifications

Technical specifications					EHBH04E6V + ERGA04EV
Space heating	Average climate water outlet 55°C	B Condition (2°CDB/1°CWB)	Pdh	kW	3.3
			PERd	%	129
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0
			COPd		4.40
			Pdh	kW	3.0
			PERd	%	176
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0
			COPd		6.10
			Pdh	kW	3.3
			PERd	%	244
		Tol (temperature operating limit)	COPd		1.37
			Pdh	kW	4.0
			PERd	%	55
			TOL	°C	-10
			WTOL	°C	55
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0
		Tbiv (bivalent temperature)	COPd		1.97
			Pdh	kW	5.3
			PERd	%	79
			Tbiv	°C	-7
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468
			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
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,766
			ηs (Seasonal space heating efficiency)	%	176
			Prated at -10°C	kW	6.0
			Qhe Annual energy consumption (GCV)	Gj	9.96
			SCOP		4.48
			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

2 Specifications

Technical specifications					EHBH04E6V + ERGA04EV
Space heating	Average climate water outlet 35°C	B Condition (2°CDB/1°CWB)	Pdh	kW	3.3
			PERd	%	173
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0
			COPd		6.19
			Pdh	kW	3.2
			PERd	%	248
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0
			COPd		7.78
			Pdh	kW	3.3
			PERd	%	311
		Tol (temperature operating limit)	COPd		2.56
			Pdh	kW	5.2
			PERd	%	102
			TOL	°C	-10
			WTOL	°C	35
		Tbiv (bivalent temperature)	COPd		2.90
			Pdh	kW	5.5
			PERd	%	116
			Tbiv	°C	-7
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230
			ηs (Seasonal space heating efficiency)	%	150
			Prated at -22°C	kW	5.0
	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

(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)

Technical specifications					EHBH08E6V + ERGA06EVH	EHBH08E6V + ERGA08EVH
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	

2 Specifications

Technical specifications					EHBH08E6V + ERGA06EVH	EHBH08E6V + ERGA08EVH
Space heating general	Air to water unit	Rated airflow (outdoor)		m^3/h	2,520.0	2,770.0
	Other	Capacity control			Inverter	
		Pck (Crankcase heater mode)		kW	0.000	
		Poff (Off mode)		kW	0.010	
		Psb (Standby mode)		kW	0.010	
		Pto (Thermostat off)		kW	0.010	
	Integrated supplementary heater	Psup		kW	6.0	
		Type of energy input			Electrical	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,441	4,975
			ηs (Seasonal space heating efficiency)	%	127	130
			Prated at -10°C	kW	7.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	16.0	17.9
			SCOP		3.26	3.32
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.98	1.96
			Pdh	kW	5.9	6.9
			PERd	%	79	78
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.16	3.20

2 Specifications

Technical specifications					EHBH08E6V + ERGA06EVH	EHBH08E6V + ERGA08EVH
Space heating	Average climate water outlet 55°C	B Condition (2°CDB/1°CWB)	Pdh	kW	3.9	4.4
			PERd	%	126	128
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.49	4.64
			Pdh	kW	3.0	3.3
			PERd	%	180	186
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	6.22
			Pdh	kW	3.3	4.1
			PERd	%	244	249
		Tol (temperature operating limit)	COPd		1.53	1.64
			Pdh	kW	5.4	7.1
			PERd	%	61	66
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6	0.9
		Tbiv (bivalent temperature)	COPd		2.12	1.90
			Pdh	kW	6.1	7.5
			PERd	%	85	76
			Tbiv	°C	-6	-8
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300	6,886
			ηs (Seasonal space heating efficiency)	%	109	112
			Prated at -22°C	kW	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858	2,213
			ηs (Seasonal space heating efficiency)	%	158	161
			Prated at 2°C	kW	5.6	6.8
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,233	3,625
			ηs (Seasonal space heating efficiency)	%	176	179
			Prated at -10°C	kW	7.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	11.6	13.1
			SCOP		4.47	4.56
			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

2 Specifications

Technical specifications					EHBH08E6V + ERGA06EVH	EHBH08E6V + ERGA08EVH
Space heating	Average climate water outlet 35°C	B Condition (2°CDB/1°CWB)	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	1.1
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749	5,034
			ηs (Seasonal space heating efficiency)	%	155	154
			Prated at -22°C	kW	6.0	8.0
	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

(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)

Technical specifications					EHBH08E9W + ERGA06EVH	EHBH08E9W + ERGA08EVH
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	

2 Specifications

Technical specifications					EHBH08E9W + ERGA06EVH	EHBH08E9W + ERGA08EVH
Space heating general	Air to water unit	Rated airflow (outdoor)		m^3/h	2,520.0	2,770.0
	Other	Capacity control			Inverter	
		Pck (Crankcase heater mode)		kW	0.000	
		Poff (Off mode)		kW	0.010	
		Psb (Standby mode)		kW	0.010	
		Pto (Thermostat off)		kW	0.010	
	Integrated supplementary heater	Psup		kW	9.0	
		Type of energy input			Electrical	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,441	4,975
			ηs (Seasonal space heating efficiency)	%	127	130
			Prated at -10°C	kW	7.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	16.0	17.9
			SCOP		3.26	3.32
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.98	1.96
			Pdh	kW	5.9	6.9
			PERd	%	79	78
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.16	3.20

2 Specifications

Technical specifications					EHBH08E9W + ERGA06EVH	EHBH08E9W + ERGA08EVH
Space heating	Average climate water outlet 55°C	B Condition (2°CDB/1°CWB)	Pdh	kW	3.9	4.4
			PERd	%	126	128
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.49	4.64
			Pdh	kW	3.0	3.3
			PERd	%	180	186
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	6.22
			Pdh	kW	3.3	4.1
			PERd	%	244	249
		Tol (temperature operating limit)	COPd		1.53	1.64
			Pdh	kW	5.4	7.1
			PERd	%	61	66
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6	0.9
		Tbiv (bivalent temperature)	COPd		2.12	1.90
			Pdh	kW	6.1	7.5
			PERd	%	85	76
			Tbiv	°C	-6	-8
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300	6,886
			ηs (Seasonal space heating efficiency)	%	109	112
			Prated at -22°C	kW	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858	2,213
			ηs (Seasonal space heating efficiency)	%	158	161
			Prated at 2°C	kW	5.6	6.8
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,233	3,625
			ηs (Seasonal space heating efficiency)	%	176	179
			Prated at -10°C	kW	7.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	11.6	13.1
			SCOP		4.47	4.56
			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

2 Specifications

Technical specifications					EHBH08E9W + ERGA06EVH	EHBH08E9W + ERGA08EVH
Space heating	Average climate water outlet 35°C	B Condition (2°CDB/1°CWB)	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	1.1
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749	5,034
			ηs (Seasonal space heating efficiency)	%	155	154
			Prated at -22°C	kW	6.0	8.0
	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

(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)

Technical specifications					EHBX04E6V + ERGA04EV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)
	Cooling	Nom.		kW	0.810 (1) / 1.36 (2)
COP					5.10 (1) / 3.65 (2)
EER					5.98 (1) / 3.32 (2)
Pump	Nominal ESP unit	Cooling		kPa	54.6 (1) / 58.8 (2)
		Heating		kPa	59.6 (1) / 58.6 (2)
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	15.9 (1) / 13.0 (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

2 Specifications

Technical specifications					EHBX04E6V + ERGA04EV
Space heating general	Air to water unit	Rated airflow (outdoor)		m^3/h	2,280.0
	Other	Capacity control			Inverter
		Pck (Crankcase heater mode)		kW	0.000
		Poff (Off mode)		kW	0.010
		Psb (Standby mode)		kW	0.010
		Pto (Thermostat off)		kW	0.010
	Integrated supplementary heater	Psup		kW	6.0
		Type of energy input			Electrical
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769
			ηs (Seasonal space heating efficiency)	%	129
			Prated at -10°C	kW	6.0
			Qhe Annual energy consumption (GCV)	Gj	13.6
			SCOP		3.29
			Seasonal space heating eff. class		A++
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0

2 Specifications

Technical specifications					EHBX04E6V + ERGA04EV
Space heating	Average climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	COPd		1.97
			Pdh	kW	5.3
			PERd	%	79
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0
			COPd		3.23
			Pdh	kW	3.3
			PERd	%	129
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0
			COPd		4.40
			Pdh	kW	3.0
			PERd	%	176
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0
			COPd		6.10
			Pdh	kW	3.3
			PERd	%	244
		Tol (temperature operating limit)	COPd		1.37
			Pdh	kW	4.0
			PERd	%	55
			TOL	°C	-10
			WTOL	°C	55
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0
		Tbiv (bivalent temperature)	COPd		1.97
			Pdh	kW	5.3
			PERd	%	79
			Tbiv	°C	-7
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446
			ηs (Seasonal space heating efficiency)	%	108
			Prated at -22°C	kW	5.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616
			ηs (Seasonal space heating efficiency)	%	152
			Prated at 2°C	kW	4.7
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,729
			ηs (Seasonal space heating efficiency)	%	179
			Prated at -10°C	kW	6.0
			Qhe Annual energy consumption (GCV)	Gj	9.82
			SCOP		4.54
			Seasonal space heating eff. class		A+++

2 Specifications

Technical specifications					EHBX04E6V + ERGA04EV
Space heating	Average climate water outlet 35°C	A Condition (-7°CDB/-8°CWB)	COPd		2.90
			Pdh	kW	5.5
			PERd	%	116
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0
			COPd		4.33
			Pdh	kW	3.3
			PERd	%	173
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0
			COPd		6.19
			Pdh	kW	3.2
			PERd	%	248
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0
			COPd		7.78
			Pdh	kW	3.3
			PERd	%	311
		Tol (temperature operating limit)	COPd		2.56
			Pdh	kW	5.2
			PERd	%	102
			TOL	°C	-10
			WTOL	°C	35
		Tbiv (bivalent temperature)	COPd		2.90
			Pdh	kW	5.5
			PERd	%	116
			Tbiv	°C	-7
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208
			ηs (Seasonal space heating efficiency)	%	151
			Prated at -22°C	kW	5.0
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095
			ηs (Seasonal space heating efficiency)	%	251
			Prated at 2°C	kW	5.2

(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)

Technical specifications					EHBX08E6V + ERGA06EVH	EHBX08E6V + ERGA08EVH
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Cooling capacity	Nom.			kW	5.96 (1) / 5.09 (2)	6.25 (1) / 5.44 (2)
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
	Cooling	Nom.		kW	1.06 (1) / 1.55 (2)	1.16 (1) / 1.73 (2)
COP					4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
EER					5.61 (1) / 3.28 (2)	5.40 (1) / 3.14 (2)
Pump	Nominal ESP unit	Cooling		kPa	52.6 (1) / 56.7 (2)	51.1 (1) / 55.1 (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) / 14.6 (2)	17.9 (1) / 15.6 (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

2 Specifications

Technical specifications					EHBX08E6V + ERGA06EVH	EHBX08E6V + ERGA08EVH
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN 12102 under conditions of the EN 14825	
Space heating general	Air to water unit	Rated airflow (outdoor)		m^3/h	2,520.0	2,770.0
	Other	Capacity control			Inverter	
		Pck (Crankcase heater mode)		kW	0.000	
		Poff (Off mode)		kW	0.010	
		Psb (Standby mode)		kW	0.010	
		Pto (Thermostat off)		kW	0.010	
	Integrated supplementary heater	Psup		kW	6.0	
		Type of energy input			Electrical	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,405	4,939
			ηs (Seasonal space heating efficiency)	%	128	131
			Prated at -10°C	kW	7.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	15.9	17.8
			SCOP		3.28	3.35
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	

2 Specifications

Technical specifications					EHBX08E6V + ERGA06EVH	EHBX08E6V + ERGA08EVH
Space heating	Average climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	COPd		1.98	1.96
			Pdh	kW	5.9	6.9
			PERd	%	79	78
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.16	3.20
			Pdh	kW	3.9	4.4
			PERd	%	126	128
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.49	4.64
			Pdh	kW	3.0	3.3
			PERd	%	180	186
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	6.22
			Pdh	kW	3.3	4.1
			PERd	%	244	249
		Tol (temperature operating limit)	COPd		1.53	1.64
			Pdh	kW	5.4	7.1
			PERd	%	61	66
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6	0.9
		Tbiv (bivalent temperature)	COPd		2.12	1.90
			Pdh	kW	6.1	7.5
			PERd	%	85	76
			Tbiv	°C	-6	-8
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,278	6,864
			ηs (Seasonal space heating efficiency)	%	109	112
			Prated at -22°C	kW	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813	2,168
			ηs (Seasonal space heating efficiency)	%	162	165
			Prated at 2°C	kW	5.6	6.8
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,196	3,588
			ηs (Seasonal space heating efficiency)	%	178	181
			Prated at -10°C	kW	7.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	11.5	12.9
			SCOP		4.52	4.61
			Seasonal space heating eff. class		A+++	

2 Specifications

Technical specifications					EHBX08E6V + ERGA06EVH	EHBX08E6V + ERGA08EVH
Space heating	Average climate water outlet 35°C	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	1.1
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727	5,012
			ηs (Seasonal space heating efficiency)	%	156	154
			Prated at -22°C	kW	6.0	8.0
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,232	1,393
			ηs (Seasonal space heating efficiency)	%	257	266
			Prated at 2°C	kW	6.0	7.0

(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)

Technical specifications					EHBX08E9W + ERGA06EVH	EHBX08E9W + ERGA08EVH
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Cooling capacity	Nom.			kW	5.96 (1) / 5.09 (2)	6.25 (1) / 5.44 (2)
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
	Cooling	Nom.		kW	1.06 (1) / 1.55 (2)	1.16 (1) / 1.73 (2)
COP					4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
EER					5.61 (1) / 3.28 (2)	5.40 (1) / 3.14 (2)
Pump	Nominal ESP unit	Cooling		kPa	52.6 (1) / 56.7 (2)	51.1 (1) / 55.1 (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) / 14.6 (2)	17.9 (1) / 15.6 (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

2 Specifications

Technical specifications					EHBX08E9W + ERGA06EVH	EHBX08E9W + ERGA08EVH
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825	
Space heating general	Air to water unit	Rated airflow (outdoor)		m^3/h	2,520.0	2,770.0
	Other	Capacity control			Inverter	
		Pck (Crankcase heater mode)		kW	0.000	
		Poff (Off mode)		kW	0.010	
		Psb (Standby mode)		kW	0.010	
		Pto (Thermostat off)		kW	0.010	
	Integrated supplementary heater	Psup		kW	9.0	
		Type of energy input			Electrical	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,405	4,939
			ηs (Seasonal space heating efficiency)	%	128	131
			Prated at -10°C	kW	7.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	15.9	17.8
			SCOP		3.28	3.35
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	

2 Specifications

Technical specifications					EHBX08E9W + ERGA06EVH	EHBX08E9W + ERGA08EVH
Space heating	Average climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	COPd		1.98	1.96
			Pdh	kW	5.9	6.9
			PERd	%	79	78
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.16	3.20
			Pdh	kW	3.9	4.4
			PERd	%	126	128
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.49	4.64
			Pdh	kW	3.0	3.3
			PERd	%	180	186
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	6.22
			Pdh	kW	3.3	4.1
			PERd	%	244	249
		Tol (temperature operating limit)	COPd		1.53	1.64
			Pdh	kW	5.4	7.1
			PERd	%	61	66
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6	0.9
		Tbiv (bivalent temperature)	COPd		2.12	1.90
			Pdh	kW	6.1	7.5
			PERd	%	85	76
			Tbiv	°C	-6	-8
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,278	6,864
			ηs (Seasonal space heating efficiency)	%	109	112
			Prated at -22°C	kW	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813	2,168
			ηs (Seasonal space heating efficiency)	%	162	165
			Prated at 2°C	kW	5.6	6.8
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,196	3,588
			ηs (Seasonal space heating efficiency)	%	178	181
			Prated at -10°C	kW	7.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	11.5	12.9
			SCOP		4.52	4.61
			Seasonal space heating eff. class		A+++	

2 Specifications

Technical specifications					EHBX08E9W + ERGA06EVH	EHBX08E9W + ERGA08EVH
Space heating	Average climate water outlet 35°C	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	1.1
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727	5,012
			ηs (Seasonal space heating efficiency)	%	156	154
			Prated at -22°C	kW	6.0	8.0
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,232	1,393
			ηs (Seasonal space heating efficiency)	%	257	266
			Prated at 2°C	kW	6.0	7.0

(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)

Technical specifications					EHSH04P30E + ERGA04EV
Indoor unit					EHSH04P30EF
Outdoor unit					ERGA04EAV3
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)
Power input	Heating	Nom.		kW	0.840 (1) / 1.26 (2)
COP					5.10 (1) / 3.65 (2)
Pump	Type				Grundfos UPM3 K 20-75 CHBL FS2 DMGG
Water side Heat exchanger	Water flow rate	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			Yes
		Low-temperature heat pump			No
		Supplementary heater integrated			No
		Water-to-water heat pump			No
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825

2 Specifications

Technical specifications				EHSH04P30E + ERGA04EV
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,280
	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		L
		Function to fix water heating during off peak hours		No
Space heating general	Integrated supplementary heater	Type of energy input		Electrical
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	867
		COPdhw		2.80
		Heat up time		1h 34min
		Mixed water at 40°C	l	140.4
		ηwh (water heating efficiency)	%	118
		Qelec (Daily electricity consumption)	kWh	4.172
		Reference hot water temperature	°C	44.6
		Stand-by power input	W	40.4
		Water heating energy efficiency class		A+
Domestic hot water heating	Cold climate	AEC (Annual electricity consumption)	kWh	1,006
		COPdhw		2.41
		Mixed water at 40°C	l	140.0
		ηwh (water heating efficiency)	%	102
		Qelec (Daily electricity consumption)	kWh	4.835
		Reference hot water temperature	°C	44.4
		Stand-by power input	W	46.0
	Warm climate	AEC (Annual electricity consumption)	kWh	716
		COPdhw		3.38
		Mixed water at 40°C	l	138.1
		ηwh (water heating efficiency)	%	143
		Qelec (Daily electricity consumption)	kWh	3.447
		Reference hot water temperature	°C	44.4
		Stand-by power input	W	33.9

2 Specifications

Technical specifications					EHSH04P30E + ERGA04EV
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806
			ηs (Seasonal space heating efficiency)	%	127
			Prated at -10°C	kW	6.0
			Qhe Annual energy consumption (GCV)	Gj	14
			SCOP		3.26
			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	%	78.8
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0
			COPd		3.23
			Pdh	kW	3.3
			PERd	%	129.2
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0
			COPd		4.40
			Pdh	kW	3.0
			PERd	%	176.0
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0
			COPd		6.10
			Pdh	kW	3.3
			PERd	%	244.0
		Tol (temperature operating limit)	COPd		1.37

2 Specifications

Technical specifications					EHSH04P30E + ERGA04EV
Space heating	Average climate water outlet 55°C	Tol (temperature operating limit)	Pdh	kW	4.0
			PERd	%	54.8
			TOL	°C	-10
			WTOL	°C	55
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0
		Tbiv (bivalent temperature)	COPd		1.97
			Pdh	kW	5.3
			PERd	%	78.8
			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
			Qhe Annual energy consumption (GCV)	Gj	16
	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
			Qhe Annual energy consumption (GCV)	Gj	6
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,766
			ηs (Seasonal space heating efficiency)	%	176
			Prated at -10°C	kW	6.0
			Qhe Annual energy consumption (GCV)	Gj	10
			SCOP		4.48
			Seasonal space heating eff. class		A+++
		A Condition (-7°CDB/-8°CWB)	COPd		2.90
			Pdh	kW	5.5
			PERd	%	116.0
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0
			COPd		4.33
			Pdh	kW	3.3
			PERd	%	173.2
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0
			COPd		6.19
			Pdh	kW	3.2
			PERd	%	247.6
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0
			COPd		7.78
			Pdh	kW	3.3

2 Specifications

Technical specifications					EHSH04P30E + ERGA04EV
Space heating	Average climate water outlet 35°C	D Condition (12°CDB/11°CWB)	PERd	%	311.2
		Tol (temperature operating limit)	COPd		2.56
			Pdh	kW	5.2
			PERd	%	102.4
			TOL	°C	-10
			WTOL	°C	35
		Tbiv (bivalent temperature)	COPd		2.90
			Pdh	kW	5.5
			PERd	%	1160
			Tbiv	°C	-7
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230
			ηs (Seasonal space heating efficiency)	%	150
			Prated at -22°C	kW	5.0
			Qhe Annual energy consumption (GCV)	Gj	12
	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
			Qhe Annual energy consumption (GCV)	Gj	4

(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)

Technical specifications					EHSH08P30E + ERGA06EVH	EHSH08P50E + ERGA06EVH	EHSH08P30E + ERGA08EVH	EHSH08P50E + ERGA08EVH
Indoor unit					EHSH08P30EF	EHSH08P50EF	EHSH08P30EF	EHSH08P50EF
Outdoor unit					ERGA06EAV3H		ERGA08EAV3H	
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	Type				Grundfos UPM3 K 20-75 CHBL FS2 DMGG			
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			Yes			
		Low-temperature heat pump			No			
		Supplementary heater integrated			No			
		Water-to-water heat pump			No			
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39			
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825			

2 Specifications

Technical specifications				EHSH08P30E + ERGA06EVH	EHSH08P50E + ERGA06EVH	EHSH08P30E + ERGA08EVH	EHSH08P50E + ERGA08EVH
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,520		2,770	
	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		L	XL	L	XL
		Function to fix water heating during off peak hours		No			
Space heating general	Integrated supplementary heater	Type of energy input		Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	867	1,336	867	1,336
		COPdhw		2.80	3.06	2.80	3.06
		Heat up time		1h 34min	2h 41min	1h 34min	2h 41min
		Mixed water at 40°C	l	140.4	227.9	140.4	227.9
		ηwh (water heating efficiency)	%	118	125	118	125
		Qelec (Daily electricity consumption)	kWh	4.172	6.224	4.172	6.224
		Reference hot water temperature	°C	44.6			
		Stand-by power input	W	40.4	25.3	40.4	25.3
		Water heating energy efficiency class		A+			
Domestic hot water heating	Cold climate	AEC (Annual electricity consumption)	kWh	1,006	1,493	1,006	1,493
		COPdhw		2.41	2.75	2.41	2.75
		Mixed water at 40°C	l	140.0	227.9	140.0	227.9
		ηwh (water heating efficiency)	%	102	112	102	112
		Qelec (Daily electricity consumption)	kWh	4.835	6.944	4.835	6.944
		Reference hot water temperature	°C	44.4	44.6	44.4	44.6
		Stand-by power input	W	46.0	26.7	46.0	26.7
	Warm climate	AEC (Annual electricity consumption)	kWh	716	1,186	716	1,186
		COPdhw		3.38	3.45	3.38	3.45
		Mixed water at 40°C	l	138.1	227.9	138.1	227.9
		ηwh (water heating efficiency)	%	143	141	143	141
		Qelec (Daily electricity consumption)	kWh	3.447	5.531	3.447	5.531
		Reference hot water temperature	°C	44.4	44.6	44.4	44.6
		Stand-by power input	W	33.9	23.7	33.9	23.7

2 Specifications

Technical specifications					EHSH08P30E + ERGA06EVH	EHSH08P50E + ERGA06EVH	EHSH08P30E + ERGA08EVH	EHSH08P50E + ERGA08EVH
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,441		4,975	
			ηs (Seasonal space heating efficiency)	%	127		130	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	16		18	
			SCOP		3.26		3.32	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98		1.96	
			Pdh	kW	5.9		6.9	
			PERd	%	79.2		78.4	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126.4		128.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	179.6		185.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244.0		248.8	
		Tol (temperature operating limit)	COPd		1.53		1.64	

2 Specifications

Technical specifications					EHSH08P30E + ERGA06EVH	EHSH08P50E + ERGA06EVH	EHSH08P30E + ERGA08EVH	EHSH08P50E + ERGA08EVH
Space heating	Average climate water outlet 55°C	Tol (temperature operating limit)	Pdh	kW	5.4		7.1	
			PERd	%	61.2		65.6	
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6		1.0	
		Tbiv (bivalent temperature)	COPd		2.12		1.90	
			Pdh	kW	6.1		7.5	
			PERd	%	84.8		76.0	
			Tbiv	°C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300		6,886	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	19		25	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		2,213	
			ηs (Seasonal space heating efficiency)	%	158		161	
			Prated at 2°C	kW	5.6		6.8	
			Qhe Annual energy consumption (GCV)	Gj	7		8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176		179	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	12		13	
			SCOP		4.47		4.56	
			Seasonal space heating eff. class		A+++			
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114.4		110.8	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170.0		174.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
			PERd	%	252.0		259.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	

2 Specifications

Technical specifications					EHSH08P30E + ERGA06EVH	EHSH08P50E + ERGA06EVH	EHSH08P30E + ERGA08EVH	EHSH08P50E + ERGA08EVH
Space heating	Average climate water outlet 35°C	D Condition (12°CDB/11°CWB)	PERd	%	311.2		340.8	
		Tol (temperature operating limit)	COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
			PERd	%	99.6		96.4	
			TOL	°C	-10			
			WTOL	°C	35			
		Tbiv (bivalent temperature)	COPd		3.07		2.66	
			Pdh	kW	6.1		7.5	
			PERd	%	122.8		106.4	
			Tbiv	°C	-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0		1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,034	
			ηs (Seasonal space heating efficiency)	%	155		154	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	13		18	
	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	
			Qhe Annual energy consumption (GCV)	Gj	5			

(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)

Technical specifications					EHSHB04P30E + ERGA04EV
Indoor unit					EHSHB04P30EF
Outdoor unit					ERGA04EAV3
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)
Power input	Heating	Nom.		kW	0.840 (1) / 1.26 (2)
COP					5.10 (1) / 3.65 (2)
Pump	Type				Grundfos UPM3 K 20-75 CHBL FS2 DMGG
Water side Heat exchanger	Water flow rate	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			Yes
		Low-temperature heat pump			No
		Supplementary heater integrated			No
		Water-to-water heat pump			No
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825

2 Specifications

Technical specifications				EHSHB04P30E + ERGA04EV
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,280
	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		L
		Function to fix water heating during off peak hours		No
Space heating general	Integrated supplementary heater	Type of energy input		Electrical
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	867
		COPdhw		2.80
		Heat up time		1h 34min
		Mixed water at 40°C	l	140.4
		ηwh (water heating efficiency)	%	118
		Qelec (Daily electricity consumption)	kWh	4.172
		Reference hot water temperature	°C	44.6
		Stand-by power input	W	40.4
		Water heating energy efficiency class		A+
Domestic hot water heating	Cold climate	AEC (Annual electricity consumption)	kWh	1,006
		COPdhw		2.41
		Mixed water at 40°C	l	140.0
		ηwh (water heating efficiency)	%	102
		Qelec (Daily electricity consumption)	kWh	4.835
		Reference hot water temperature	°C	44.4
		Stand-by power input	W	46.0
	Warm climate	AEC (Annual electricity consumption)	kWh	716
		COPdhw		3.38
		Mixed water at 40°C	l	138.1
		ηwh (water heating efficiency)	%	143
		Qelec (Daily electricity consumption)	kWh	3.447
		Reference hot water temperature	°C	44.4
		Stand-by power input	W	33.9

2 Specifications

Technical specifications					EHSHB04P30E + ERGA04EV
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806
			ηs (Seasonal space heating efficiency)	%	127
			Prated at -10°C	kW	6.0
			Qhe Annual energy consumption (GCV)	Gj	14
			SCOP		3.26
			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	%	78.8
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0
			COPd		3.23
			Pdh	kW	3.3
			PERd	%	129.2
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0
			COPd		4.40
			Pdh	kW	3.0
			PERd	%	176.0
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0
			COPd		6.10
			Pdh	kW	3.3
			PERd	%	244.0
		Tol (temperature operating limit)	COPd		1.37

2 Specifications

Technical specifications					EHSHB04P30E + ERGA04EV
Space heating	Average climate water outlet 55°C	Tol (temperature operating limit)	Pdh	kW	4.0
			PERd	%	54.8
			TOL	°C	-10
			WTOL	°C	55
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0
		Tbiv (bivalent temperature)	COPd		197
			Pdh	kW	5.3
			PERd	%	78.8
			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
			Qhe Annual energy consumption (GCV)	Gj	16
	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
			Qhe Annual energy consumption (GCV)	Gj	6
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,766
			ηs (Seasonal space heating efficiency)	%	176
			Prated at -10°C	kW	6.0
			Qhe Annual energy consumption (GCV)	Gj	10
			SCOP		4.48
			Seasonal space heating eff. class		A+++
		A Condition (-7°CDB/-8°CWB)	COPd		2.90
			Pdh	kW	5.5
			PERd	%	1160
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0
			COPd		4.33
			Pdh	kW	3.3
			PERd	%	173.2
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0
			COPd		6.19
			Pdh	kW	3.2
			PERd	%	247.6
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0
			COPd		7.78
			Pdh	kW	3.3

2 Specifications

Technical specifications					EHSHB04P30E + ERGA04EV
Space heating	Average climate water outlet 35°C	D Condition (12°CDB/11°CWB)	PERd	%	311.2
		Tol (temperature operating limit)	COPd		2.56
			Pdh	kW	5.2
			PERd	%	102.4
			TOL	°C	-10
			WTOL	°C	35
		Tbiv (bivalent temperature)	COPd		2.90
			Pdh	kW	5.5
			PERd	%	1160
			Tbiv	°C	-7
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230
			ηs (Seasonal space heating efficiency)	%	150
			Prated at -22°C	kW	5.0
			Qhe Annual energy consumption (GCV)	Gj	12
	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
			Qhe Annual energy consumption (GCV)	Gj	4

(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)

Technical specifications					EHSHB08P30E + ERGA06EVH	EHSHB08P50E + ERGA06EVH	EHSHB08P30E + ERGA08EVH	EHSHB08P50E + ERGA08EVH
Indoor unit					EHSHB08P30EF	EHSHB08P50EF	EHSHB08P30EF	EHSHB08P50EF
Outdoor unit					ERGA06EAV3H		ERGA08EAV3H	
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	Type				Grundfos UPM3 K 20-75 CHBL FS2 DMGG			
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			Yes			
		Low-temperature heat pump			No			
		Supplementary heater integrated			No			
		Water-to-water heat pump			No			
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39			
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	60		62	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825			

2 Specifications

Technical specifications				EHSHB08P30E + ERGA06EVH	EHSHB08P50E + ERGA06EVH	EHSHB08P30E + ERGA08EVH	EHSHB08P50E + ERGA08EVH
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,520		2,770	
	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		L	XL	L	XL
		Function to fix water heating during off peak hours		No			
Space heating general	Integrated supplementary heater	Type of energy input		Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	867	1,336	867	1,336
		COPdhw		2.80	3.06	2.80	3.06
		Heat up time		1h 34min	2h 41min	1h 34min	2h 41min
		Mixed water at 40°C	l	140.4	227.9	140.4	227.9
		ηwh (water heating efficiency)	%	118	125	118	125
		Qelec (Daily electricity consumption)	kWh	4.172	6.224	4.172	6.224
		Reference hot water temperature	°C	44.6			
		Stand-by power input	W	40.4	25.3	40.4	25.3
		Water heating energy efficiency class		A+			
Domestic hot water heating	Cold climate	AEC (Annual electricity consumption)	kWh	1,006	1,493	1,006	1,493
		COPdhw		2.41	2.75	2.41	2.75
		Mixed water at 40°C	l	140.0	227.9	140.0	227.9
		ηwh (water heating efficiency)	%	102	112	102	112
		Qelec (Daily electricity consumption)	kWh	4.835	6.944	4.835	6.944
		Reference hot water temperature	°C	44.4	44.6	44.4	44.6
		Stand-by power input	W	46.0	26.7	46.0	26.7
	Warm climate	AEC (Annual electricity consumption)	kWh	716	1,186	716	1,186
		COPdhw		3.38	3.45	3.38	3.45
		Mixed water at 40°C	l	138.1	227.9	138.1	227.9
		ηwh (water heating efficiency)	%	143	141	143	141
		Qelec (Daily electricity consumption)	kWh	3.447	5.531	3.447	5.531
		Reference hot water temperature	°C	44.4	44.6	44.4	44.6
		Stand-by power input	W	33.9	23.7	33.9	23.7

2 Specifications

Technical specifications					EHSHB08P30E + ERGA06EVH	EHSHB08P50E + ERGA06EVH	EHSHB08P30E + ERGA08EVH	EHSHB08P50E + ERGA08EVH
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,441		4,975	
			ηs (Seasonal space heating efficiency)	%	127		130	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	16		18	
			SCOP		3.26		3.32	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98		1.96	
			Pdh	kW	5.9		6.9	
			PERd	%	79.2		78.4	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126.4		128.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	179.6		185.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244.0		248.8	
		Tol (temperature operating limit)	COPd		1.53		1.64	

2 Specifications

Technical specifications					EHSHB08P30E + ERGA06EVH	EHSHB08P50E + ERGA06EVH	EHSHB08P30E + ERGA08EVH	EHSHB08P50E + ERGA08EVH
Space heating	Average climate water outlet 55°C	Tol (temperature operating limit)	Pdh	kW	5.4		7.1	
			PERd	%	61.2		65.6	
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	16		10	
		Tbiv (bivalent temperature)	COPd		2.12		1.90	
			Pdh	kW	6.1		7.5	
			PERd	%	84.8		76.0	
			Tbiv	°C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300		6,886	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	19		25	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		2,213	
			ηs (Seasonal space heating efficiency)	%	158		161	
			Prated at 2°C	kW	5.6		6.8	
			Qhe Annual energy consumption (GCV)	Gj	7		8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176		179	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	12		13	
			SCOP		4.47		4.56	
			Seasonal space heating eff. class		A+++			
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114.4		110.8	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170.0		174.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
			PERd	%	252.0		259.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	

2 Specifications

Technical specifications					EHSHB08P30E + ERGA06EVH	EHSHB08P50E + ERGA06EVH	EHSHB08P30E + ERGA08EVH	EHSHB08P50E + ERGA08EVH
Space heating	Average climate water outlet 35°C	D Condition (12°CDB/11°CWB)	PERd	%	311.2		340.8	
		Tol (temperature operating limit)	COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
			PERd	%	99.6		96.4	
			TOL	°C	-10			
			WTOL	°C	35			
		Tbiv (bivalent temperature)	COPd		3.07		2.66	
			Pdh	kW	6.1		7.5	
			PERd	%	122.8		106.4	
			Tbiv	°C	-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0		1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,034	
			ηs (Seasonal space heating efficiency)	%	155		154	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	13		18	
	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	
			Qhe Annual energy consumption (GCV)	Gj	5			

(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)

Technical specifications					EHSX04P30E + ERGA04EV	EHSX04P50E + ERGA04EV
Indoor unit					EHSX04P30EF	EHSX04P50EF
Outdoor unit					ERGA04EAV3	
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)	
Power input	Heating	Nom.		kW	0.840 (1) / 1.26 (2)	
	Cooling	Nom.		kW	0.810 (1) / 1.36 (2)	
COP					5.10 (1) / 3.65 (2)	
EER					5.98 (1) / 3.32 (2)	
Pump	Type				Grundfos UPM3 K 20-75 CHBL FS2 DMGG	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	13.9 (1) / 13.0 (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			Yes	
		Low-temperature heat pump			No	
		Supplementary heater integrated			No	
		Water-to-water heat pump			No	
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39	
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825	

2 Specifications

Technical specifications				EHSX04P30E + ERGA04EV	EHSX04P50E + ERGA04EV
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,280	
	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		L	XL
		Function to fix water heating during off peak hours		No	
Space heating general	Integrated supplementary heater	Type of energy input		Electrical	
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	867	1,336
		COPdhw		2.80	3.06
		Heat up time		1h 34min	2h 41min
		Mixed water at 40°C	l	140.4	227.9
		ηwh (water heating efficiency)	%	118	125
Domestic hot water heating	Average climate	Qelec (Daily electricity consumption)	kWh	4.172	6.224
		Reference hot water temperature	°C	44.6	
		Stand-by power input	W	40.4	25.3
		Water heating energy efficiency class		A+	
	Cold climate	AEC (Annual electricity consumption)	kWh	1,006	1,493
		COPdhw		2.41	2.75
		Mixed water at 40°C	l	140.0	227.9
		ηwh (water heating efficiency)	%	102	112
		Qelec (Daily electricity consumption)	kWh	4.835	6.944
		Reference hot water temperature	°C	44.4	44.6
		Stand-by power input	W	46.0	26.7
	Warm climate	AEC (Annual electricity consumption)	kWh	716	1,186
		COPdhw		3.38	3.45
		Mixed water at 40°C	l	138.1	227.9
		ηwh (water heating efficiency)	%	143	141
		Qelec (Daily electricity consumption)	kWh	3.447	5.531
		Reference hot water temperature	°C	44.4	44.6
		Stand-by power input	W	33.9	23.7

2 Specifications

Technical specifications					EHSX04P30E + ERGA04EV	EHSX04P50E + ERGA04EV
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769	
			ηs (Seasonal space heating efficiency)	%	129	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	14	
			SCOP		3.29	
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	78.8	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.23	
			Pdh	kW	3.3	
			PERd	%	129.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.40	
			Pdh	kW	3.0	
			PERd	%	176.0	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	

2 Specifications

Technical specifications					EHSX04P30E + ERGA04EV	EHSX04P50E + ERGA04EV
Space heating	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	COPd		6.10	
			Pdh	kW	3.3	
			PERd	%	244.0	
		Tol (temperature operating limit)	COPd		1.37	
			Pdh	kW	4.0	
			PERd	%	54.8	
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	
		Tbiv (bivalent temperature)	COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	78.8	
			Tbiv	°C	-7	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446	
			ηs (Seasonal space heating efficiency)	%	108	
			Prated at -22°C	kW	5.0	
			Qhe Annual energy consumption (GCV)	Gj	16	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616	
			ηs (Seasonal space heating efficiency)	%	152	
			Prated at 2°C	kW	4.7	
			Qhe Annual energy consumption (GCV)	Gj	6	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,729	
			ηs (Seasonal space heating efficiency)	%	179	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	10	
			SCOP		4.54	
			Seasonal space heating eff. class		A+++	
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	
			Pdh	kW	5.5	
			PERd	%	116.0	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.33	
			Pdh	kW	3.3	
			PERd	%	173.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.19	
			Pdh	kW	3.2	

2 Specifications

Technical specifications					EHSX04P30E + ERGA04EV	EHSX04P50E + ERGA04EV
Space heating	Average climate water outlet 35°C	C Condition (7°CDB/6°CWB)	PERd	%	247.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		7.78	
			Pdh	kW	3.3	
			PERd	%	311.2	
		Tol (temperature operating limit)	COPd		2.56	
			Pdh	kW	5.2	
			PERd	%	102.4	
			TOL	°C	-10	
			WTOL	°C	35	
		Tbiv (bivalent temperature)	COPd		2.90	
			Pdh	kW	5.5	
			PERd	%	1160	
			Tbiv	°C	-7	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208	
			ηs (Seasonal space heating efficiency)	%	151	
			Prated at -22°C	kW	5.0	
			Qhe Annual energy consumption (GCV)	Gj	12	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095	
			ηs (Seasonal space heating efficiency)	%	251	
			Prated at 2°C	kW	5.2	
			Qhe Annual energy consumption (GCV)	Gj	4	

(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)

Technical specifications					EHSX08P30E + ERGA06EVH	EHSX08P50E + ERGA06EVH	EHSX08P30E + ERGA08EVH	EHSX08P50E + ERGA08EVH
Indoor unit					EHSX08P30EF	EHSX08P50EF	EHSX08P30EF	EHSX08P50EF
Outdoor unit					ERGA06EAV3H		ERGA08EAV3H	
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.			kW	5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.		kW	1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP					4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Pump	Type				Grundfos UPM3 K 20-75 CHBL FS2 DMGG			
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	17.1 (1) / 14.6 (2)		17.9 (1) / 15.6 (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			Yes			
		Low-temperature heat pump			No			
		Supplementary heater integrated			No			
		Water-to-water heat pump			No			
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39			

2 Specifications

Technical specifications				EHSX08P30E + ERGA06EVH	EHSX08P50E + ERGA06EVH	EHSX08P30E + ERGA08EVH	EHSX08P50E + ERGA08EVH
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			
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,520		2,770	
	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		L	XL	L	XL
		Function to fix water heating during off peak hours		No			
Space heating general	Integrated supplementary heater	Type of energy input		Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	867	1,336	867	1,336
		COPdhw		2.80	3.06	2.80	3.06
		Heat up time		1h 34min	2h 41min	1h 34min	2h 41min
		Mixed water at 40°C	l	140.4	227.9	140.4	227.9
		ηwh (water heating efficiency)	%	118	125	118	125
Domestic hot water heating	Average climate	Qelec (Daily electricity consumption)	kWh	4.172	6.224	4.172	6.224
		Reference hot water temperature	°C	44.6			
		Stand-by power input	W	40.4	25.3	40.4	25.3
		Water heating energy efficiency class		A+			
	Cold climate	AEC (Annual electricity consumption)	kWh	1,006	1,493	1,006	1,493
		COPdhw		2.41	2.75	2.41	2.75
		Mixed water at 40°C	l	140.0	227.9	140.0	227.9
		ηwh (water heating efficiency)	%	102	112	102	112
		Qelec (Daily electricity consumption)	kWh	4.835	6.944	4.835	6.944
		Reference hot water temperature	°C	44.4	44.6	44.4	44.6
		Stand-by power input	W	46.0	26.7	46.0	26.7
	Warm climate	AEC (Annual electricity consumption)	kWh	716	1,186	716	1,186
		COPdhw		3.38	3.45	3.38	3.45
		Mixed water at 40°C	l	138.1	227.9	138.1	227.9
		ηwh (water heating efficiency)	%	143	141	143	141
		Qelec (Daily electricity consumption)	kWh	3.447	5.531	3.447	5.531
		Reference hot water temperature	°C	44.4	44.6	44.4	44.6
		Stand-by power input	W	33.9	23.7	33.9	23.7

2 Specifications

Technical specifications					EHSX08P30E + ERGA06EVH	EHSX08P50E + ERGA06EVH	EHSX08P30E + ERGA08EVH	EHSX08P50E + ERGA08EVH
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,405		4,939	
			ηs (Seasonal space heating efficiency)	%	128		131	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	16		18	
			SCOP		3.28		3.35	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98		1.96	
			Pdh	kW	5.9		6.9	
			PERd	%	79.2		78.4	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126.4		128.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	179.6		185.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			

2 Specifications

Technical specifications					EHSX08P30E + ERGA06EVH	EHSX08P50E + ERGA06EVH	EHSX08P30E + ERGA08EVH	EHSX08P50E + ERGA08EVH
Space heating	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	COPd		6.10		6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244.0		248.8	
		Tol (temperature operating limit)	COPd		1.53		1.64	
			Pdh	kW	5.4		7.1	
			PERd	%	61.2		65.6	
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6		1.0	
		Tbiv (bivalent temperature)	COPd		2.12		1.90	
			Pdh	kW	6.1		7.5	
			PERd	%	84.8		76.0	
			Tbiv	°C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,278		6,864	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	19		25	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813		2,168	
			ηs (Seasonal space heating efficiency)	%	162		165	
			Prated at 2°C	kW	5.6		6.8	
			Qhe Annual energy consumption (GCV)	Gj	7		8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	178		181	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	12		13	
			SCOP		4.52		4.61	
			Seasonal space heating eff. class		A+++			
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114.4		110.8	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170.0		174.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	

2 Specifications

Technical specifications					EHSX08P30E + ERGA06EVH	EHSX08P50E + ERGA06EVH	EHSX08P30E + ERGA08EVH	EHSX08P50E + ERGA08EVH
Space heating	Average climate water outlet 35°C	C Condition (7°CDB/6°CWB)	PERd	%	252.0		259.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	
			PERd	%	311.2		340.8	
		Tol (temperature operating limit)	COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
			PERd	%	99.6		96.4	
			TOL	°C	-10			
			WTOL	°C	35			
		Tbiv (bivalent temperature)	COPd		3.07		2.66	
			Pdh	kW	6.1		7.5	
			PERd	%	122.8		106.4	
			Tbiv	°C	-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0		1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727		5,012	
			ηs (Seasonal space heating efficiency)	%	156		154	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	13		18	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,232		1,393	
			ηs (Seasonal space heating efficiency)	%	257		266	
			Prated at 2°C	kW	6.0		7.0	
			Qhe Annual energy consumption (GCV)	Gj	4		5	

(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)

Technical specifications					EHSXB04P30E + ERGA04EV	EHSXB04P50E + ERGA04EAV3
Indoor unit					EHSXB04P30EF	EHSXB04P50EF
Outdoor unit					ERGA04EAV3	
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)	
Power input	Heating	Nom.		kW	0.840 (1) / 1.26 (2)	
	Cooling	Nom.		kW	0.810 (1) / 1.36 (2)	
COP					5.10 (1) / 3.65 (2)	
EER					5.98 (1) / 3.32 (2)	
Pump	Type				Grundfos UPM3 K 20-75 CHBL FS2 DMGG	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	13.9 (1) / 13.0 (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			Yes	
		Low-temperature heat pump			No	
		Supplementary heater integrated			No	
		Water-to-water heat pump			No	
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39	

2 Specifications

Technical specifications				EHSXB04P30E + ERGA04EV	EHSXB04P50E + ERGA04EAV3
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	
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,280	
	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		L	XL
		Function to fix water heating during off peak hours		No	
Space heating general	Integrated supplementary heater	Type of energy input		Electrical	
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	867	1,336
		COPdhw		2.80	3.06
		Heat up time		1h 34min	2h 41min
		Mixed water at 40°C	l	140.4	227.9
		ηwh (water heating efficiency)	%	118	125
Domestic hot water heating	Average climate	Qelec (Daily electricity consumption)	kWh	4.172	6.224
		Reference hot water temperature	°C	44.6	
		Stand-by power input	W	40.4	25.3
		Water heating energy efficiency class		A+	
	Cold climate	AEC (Annual electricity consumption)	kWh	1,006	1,493
		COPdhw		2.41	2.75
		Mixed water at 40°C	l	140.0	227.9
		ηwh (water heating efficiency)	%	102	112
		Qelec (Daily electricity consumption)	kWh	4.835	6.944
		Reference hot water temperature	°C	44.4	44.6
		Stand-by power input	W	46.0	26.7
	Warm climate	AEC (Annual electricity consumption)	kWh	716	1,186
		COPdhw		3.38	3.45
		Mixed water at 40°C	l	138.1	227.9
		ηwh (water heating efficiency)	%	143	141
		Qelec (Daily electricity consumption)	kWh	3.447	5.531
		Reference hot water temperature	°C	44.4	44.6
		Stand-by power input	W	33.9	23.7

2 Specifications

Technical specifications					EHSXB04P30E + ERGA04EV	EHSXB04P50E + ERGA04EAV3
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769	
			ηs (Seasonal space heating efficiency)	%	129	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	14	
			SCOP		3.29	
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	78.8	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.23	
			Pdh	kW	3.3	
			PERd	%	129.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.40	
			Pdh	kW	3.0	
			PERd	%	176.0	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	

2 Specifications

Technical specifications					EHSXB04P30E + ERGA04EV	EHSXB04P50E + ERGA04EAV3
Space heating	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	COPd		6.10	
			Pdh	kW	3.3	
			PERd	%	244.0	
		Tol (temperature operating limit)	COPd		1.37	
			Pdh	kW	4.0	
			PERd	%	54.8	
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	
		Tbiv (bivalent temperature)	COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	78.8	
			Tbiv	°C	-7	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446	
			ηs (Seasonal space heating efficiency)	%	108	
			Prated at -22°C	kW	5.0	
			Qhe Annual energy consumption (GCV)	Gj	16	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616	
			ηs (Seasonal space heating efficiency)	%	152	
			Prated at 2°C	kW	4.7	
			Qhe Annual energy consumption (GCV)	Gj	6	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,729	
			ηs (Seasonal space heating efficiency)	%	179	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	10	
			SCOP		4.54	
			Seasonal space heating eff. class		A+++	
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	
			Pdh	kW	5.5	
			PERd	%	116.0	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.33	
			Pdh	kW	3.3	
			PERd	%	173.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.19	
			Pdh	kW	3.2	

2 Specifications

Technical specifications					EHSXB04P30E + ERGA04EV	EHSXB04P50E + ERGA04EAV3
Space heating	Average climate water outlet 35°C	C Condition (7°CDB/6°CWB)	PERd	%	247.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		7.78	
			Pdh	kW	3.3	
			PERd	%	311.2	
		Tol (temperature operating limit)	COPd		2.56	
			Pdh	kW	5.2	
			PERd	%	102.4	
			TOL	°C	-10	
			WTOL	°C	35	
		Tbiv (bivalent temperature)	COPd		2.90	
			Pdh	kW	5.5	
			PERd	%	116.0	
			Tbiv	°C	-7	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208	
			ηs (Seasonal space heating efficiency)	%	151	
			Prated at -22°C	kW	5.0	
			Qhe Annual energy consumption (GCV)	Gj	12	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095	
			ηs (Seasonal space heating efficiency)	%	251	
			Prated at 2°C	kW	5.2	
			Qhe Annual energy consumption (GCV)	Gj	4	

(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)

Technical specifications					EHSXB08P30E + ERGA06EVH	EHSXB08P50E + ERGA06EVH	EHSXB08P30E + ERGA08EVH	EHSXB08P50E + ERGA08EVH
Indoor unit					EHSXB08P30EF	EHSXB08P50EF	EHSXB08P30EF	EHSXB08P50EF
Outdoor unit					ERGA06EAV3H		ERGA08EAV3H	
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.			kW	5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.		kW	1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP					4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Pump	Type				Grundfos UPM3 K 20-75 CHBL FS2 DMGG			
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	17.1 (1) / 14.6 (2)		17.9 (1) / 15.6 (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			Yes			
		Low-temperature heat pump			No			
		Supplementary heater integrated			No			
		Water-to-water heat pump			No			
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39			

2 Specifications

Technical specifications				EHSXB08P30E + ERGA06EVH	EHSXB08P50E + ERGA06EVH	EHSXB08P30E + ERGA08EVH	EHSXB08P50E + ERGA08EVH
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			
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,520		2,770	
	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		L	XL	L	XL
		Function to fix water heating during off peak hours		No			
Space heating general	Integrated supplementary heater	Type of energy input		Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	867	1,336	867	1,336
		COPdhw		2.80	3.06	2.80	3.06
		Heat up time		1h 34min	2h 41min	1h 34min	2h 41min
		Mixed water at 40°C	l	140.4	227.9	140.4	227.9
		ηwh (water heating efficiency)	%	118	125	118	125
Domestic hot water heating	Average climate	Qelec (Daily electricity consumption)	kWh	4.172	6.224	4.172	6.224
		Reference hot water temperature	°C	44.6			
		Stand-by power input	W	40.4	25.3	40.4	25.3
		Water heating energy efficiency class		A+			
	Cold climate	AEC (Annual electricity consumption)	kWh	1,006	1,493	1,006	1,493
		COPdhw		2.41	2.75	2.41	2.75
		Mixed water at 40°C	l	140.0	227.9	140.0	227.9
		ηwh (water heating efficiency)	%	102	112	102	112
		Qelec (Daily electricity consumption)	kWh	4.835	6.944	4.835	6.944
		Reference hot water temperature	°C	44.4	44.6	44.4	44.6
		Stand-by power input	W	46.0	26.7	46.0	26.7
	Warm climate	AEC (Annual electricity consumption)	kWh	716	1,186	716	1,186
		COPdhw		3.38	3.45	3.38	3.45
		Mixed water at 40°C	l	138.1	227.9	138.1	227.9
		ηwh (water heating efficiency)	%	143	141	143	141
		Qelec (Daily electricity consumption)	kWh	3.447	5.531	3.447	5.531
		Reference hot water temperature	°C	44.4	44.6	44.4	44.6
		Stand-by power input	W	33.9	23.7	33.9	23.7

2 Specifications

Technical specifications					EHSXB08P30E + ERGA06EVH	EHSXB08P50E + ERGA06EVH	EHSXB08P30E + ERGA08EVH	EHSXB08P50E + ERGA08EVH
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,405		4,939	
			ηs (Seasonal space heating efficiency)	%	128		131	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	16		18	
			SCOP		3.28		3.35	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98		1.96	
			Pdh	kW	5.9		6.9	
			PERd	%	79.2		78.4	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126.4		128.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	179.6		185.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			

2 Specifications

Technical specifications					EHSXB08P30E + ERGA06EVH	EHSXB08P50E + ERGA06EVH	EHSXB08P30E + ERGA08EVH	EHSXB08P50E + ERGA08EVH
Space heating	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	COPd		6.10		6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244.0		248.8	
		Tol (temperature operating limit)	COPd		1.53		1.64	
			Pdh	kW	5.4		7.1	
			PERd	%	61.2		65.6	
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6		1.0	
		Tbiv (bivalent temperature)	COPd		2.12		1.90	
			Pdh	kW	6.1		7.5	
			PERd	%	84.8		76.0	
			Tbiv	°C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,278		6,864	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	19		25	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813		2,168	
			ηs (Seasonal space heating efficiency)	%	162		165	
			Prated at 2°C	kW	5.6		6.8	
			Qhe Annual energy consumption (GCV)	Gj	7		8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	178		181	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	12		13	
			SCOP		4.52		4.61	
			Seasonal space heating eff. class		A+++			
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114.4		110.8	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170.0		174.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	

2 Specifications

Technical specifications					EHSXB08P30E + ERGA06EVH	EHSXB08P50E + ERGA06EVH	EHSXB08P30E + ERGA08EVH	EHSXB08P50E + ERGA08EVH
Space heating	Average climate water outlet 35°C	C Condition (7°CDB/6°CWB)	PERd	%	252.0		259.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	
			PERd	%	311.2		340.8	
		Tol (temperature operating limit)	COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
			PERd	%	99.6		96.4	
			TOL	°C	-10			
			WTOL	°C	35			
		Tbiv (bivalent temperature)	COPd		3.07		2.66	
			Pdh	kW	6.1		7.5	
			PERd	%	122.8		106.4	
			Tbiv	°C	-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0		1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727		5,012	
			ηs (Seasonal space heating efficiency)	%	156		154	
			Prated at -22°C	kW	6.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	13		18	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,232		1,393	
			ηs (Seasonal space heating efficiency)	%	257		266	
			Prated at 2°C	kW	6.0		7.0	
			Qhe Annual energy consumption (GCV)	Gj	4		5	

(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)

Technical specifications					EHVH04S18E6V + ERGA04EV	EHVH04S23E6V + ERGA04EV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01
Heat up time from 10°C to 50°C				hr	1h28min	1h40min
COP					5.10 (1) / 3.65 (2)	
Pump	Nominal ESP unit	Heating		kPa	59.6 (1) / 58.6 (2)	
Water side Heat exchanger	Water flow rate	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			Yes	
		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	

2 Specifications

Technical specifications				EHVH04S18E6V + ERGA04EV	EHVH04S23E6V + ERGA04EV
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	
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,280.0	
	Other	Capacity control		Inverter	
		Pck (Crankcase heater mode)	kW	0.000	
		Poff (Off mode)	kW	0.010	
		Psb (Standby mode)	kW	0.010	
		Pto (Thermostat off)	kW	0.010	
Domestic hot water heating	General	Declared load profile		L	XL
		Function to fix water heating during off peak hours		No	
Space heating general	Integrated supplementary heater	Psup	kW	6.0	
		Type of energy input		Electrical	
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267
		ηwh (water heating efficiency)	%	125	133
		Qelec (Daily electricity consumption)	kWh	3.870	5.900
		Water heating energy efficiency class		A+	
	Cold climate	AEC (Annual electricity consumption)	kWh	951	1,475
		ηwh (water heating efficiency)	%	107	114
		Qelec (Daily electricity consumption)	kWh	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046
Domestic hot water heating	Warm climate	ηwh (water heating efficiency)	%	151	161
		Qelec (Daily electricity consumption)	kWh	3.220	4.880

2 Specifications

Technical specifications					EHVH04S18E6V + ERGA04EV	EHVH04S23E6V + ERGA04EV
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806	
			ηs (Seasonal space heating efficiency)	%	127	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	13.7	
			SCOP		3.26	
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	79	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.23	
			Pdh	kW	3.3	
			PERd	%	129	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.40	
			Pdh	kW	3.0	
			PERd	%	176	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	
			Pdh	kW	3.3	
			PERd	%	244	
		Tol (temperature operating limit)	COPd		1.37	
			Pdh	kW	4.0	
			PERd	%	55	
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	
		Tbiv (bivalent temperature)	COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	79	
			Tbiv	°C	-7	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468	
			ηs (Seasonal space heating efficiency)	%	107	
			Prated at -22°C	kW	5.0	

2 Specifications

Technical specifications					EHVH04S18E6V + ERGA04EV	EHVH04S23E6V + ERGA04EV
Space heating	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	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,766	
			ηs (Seasonal space heating efficiency)	%	176	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	9.96	
			SCOP		4.48	
			Seasonal space heating eff. class		A+++	
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	
			Pdh	kW	5.5	
			PERd	%	116	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.33	
			Pdh	kW	3.3	
			PERd	%	173	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.19	
			Pdh	kW	3.2	
			PERd	%	248	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		7.78	
			Pdh	kW	3.3	
			PERd	%	311	
		Tol (temperature operating limit)	COPd		2.56	
			Pdh	kW	5.2	
			PERd	%	102	
			TOL	°C	-10	
			WTOL	°C	35	
		Tbiv (bivalent temperature)	COPd		2.90	
			Pdh	kW	5.5	
			PERd	%	116	
			Tbiv	°C	-7	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230	
			ηs (Seasonal space heating efficiency)	%	150	
			Prated at -22°C	kW	5.0	
Space heating	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	

(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)

Technical specifications				EHVH08S18E6V + ERGA06EVH	EHVH08S23E6V + ERGA06EVH	EHVH08S18E6V + ERGA08EVH	EHVH08S23E6V + ERGA08EVH
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
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min
COP				4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	

2 Specifications

Technical specifications				EHVH08S18E6V + ERGA06EVH	EHVH08S23E6V + ERGA06EVH	EHVH08S18E6V + ERGA08EVH	EHVH08S23E6V + ERGA08EVH
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		Yes			
		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			
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,520.0		2,770.0	
	Other	Capacity control		Inverter			
		Pck (Crankcase heater mode)	kW	0.000			
		Poff (Off mode)	kW	0.010			
		Psb (Standby mode)	kW	0.010			
		Pto (Thermostat off)	kW	0.010			
Domestic hot water heating	General	Declared load profile		L	XL	L	XL
		Function to fix water heating during off peak hours		No			
Space heating general	Integrated supplementary heater	Psup	kW	6.0			
		Type of energy input		Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267
		ηwh (water heating efficiency)	%	125	133	125	133
		Qelec (Daily electricity 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
Domestic hot water heating	Warm climate	ηwh (water heating efficiency)	%	151	161	151	161
		Qelec (Daily electricity consumption)	kWh	3.220	4.880	3.220	4.880

2 Specifications

Technical specifications					EHVH08S18E6V + ERGA06EVH	EHVH08S23E6V + ERGA06EVH	EHVH08S18E6V + ERGA08EVH	EHVH08S23E6V + ERGA08EVH
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,441		4,975	
			ηs (Seasonal space heating efficiency)	%	127		130	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	16.0		17.9	
			SCOP		3.26		3.32	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98		1.96	
			Pdh	kW	5.9		6.9	
			PERd	%	79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244		249	
		Tol (temperature operating limit)	COPd		1.53		1.64	
			Pdh	kW	5.4		7.1	
			PERd	%	61		66	
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6		0.9	
		Tbiv (bivalent temperature)	COPd		2.12		1.90	
			Pdh	kW	6.1		7.5	
			PERd	%	85		76	
			Tbiv	°C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300		6,886	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	

2 Specifications

Technical specifications					EHVH08S18E6V + ERGA06EVH	EHVH08S23E6V + ERGA06EVH	EHVH08S18E6V + ERGA08EVH	EHVH08S23E6V + ERGA08EVH
Space heating	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		2,213	
			ηs (Seasonal space heating efficiency)	%	158		161	
			Prated at 2°C	kW	5.6		6.8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176		179	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	11.6		13.1	
			SCOP		4.47		4.56	
			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		1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,034	
			ηs (Seasonal space heating efficiency)	%	155		154	
			Prated at -22°C	kW	6.0		8.0	
Space heating	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	

(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)

Technical specifications				EHVH08S18E9W + ERGA06EVH	EHVH08S23E9W + ERGA06EVH	EHVH08S18E9W + ERGA08EVH	EHVH08S23E9W + ERGA08EVH
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
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min

2 Specifications

Technical specifications				EHVH08S18E9W + ERGA06EVH	EHVH08S23E9W + ERGA06EVH	EHVH08S18E9W + ERGA08EVH	EHVH08S23E9W + ERGA08EVH
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/	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium			
	Manu-facturer details	Name or trademark		Daikin Europe N.V.			
	Product descrip-tion	Air-to-water heat pump		Yes			
		Brine-to-water heat pump		No			
		Heat pump combination heater		Yes			
		Low-temperature heat pump		No			
		Supplementary heater integrated		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			
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,520.0		2,770.0	
	Other	Capacity control		Inverter			
		Pck (Crankcase heater mode)	kW	0.000			
		Poff (Off mode)	kW	0.010			
		Psb (Standby mode)	kW	0.010			
		Pto (Thermostat off)	kW	0.010			
Domestic hot water heating	General	Declared load profile		L	XL	L	XL
		Function to fix water heating during off peak hours		No			
Space heating general	Inte-grated supple-mentary heater	Psup	kW	9.0			
		Type of energy input		Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267
		ηwh (water heating effi-ciency)	%	125	133	125	133
		Qelec (Daily electricity 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 effi-ciency)	%	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
Domestic hot water heating	Warm climate	ηwh (water heating effi-ciency)	%	151	161	151	161
		Qelec (Daily electricity consumption)	kWh	3.220	4.880	3.220	4.880

2 Specifications

Technical specifications					EHVH08S18E9W + ERGA06EVH	EHVH08S23E9W + ERGA06EVH	EHVH08S18E9W + ERGA08EVH	EHVH08S23E9W + ERGA08EVH
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,441		4,975	
			ηs (Seasonal space heating efficiency)	%	127		130	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	16.0		17.9	
			SCOP		3.26		3.32	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98		1.96	
			Pdh	kW	5.9		6.9	
			PERd	%	79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244		249	
		Tol (temperature operating limit)	COPd		1.53		1.64	
			Pdh	kW	5.4		7.1	
			PERd	%	61		66	
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6		0.9	
		Tbiv (bivalent temperature)	COPd		2.12		1.90	
			Pdh	kW	6.1		7.5	
			PERd	%	85		76	
			Tbiv	°C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300		6,886	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	

2 Specifications

Technical specifications					EHVH08S18E9W + ERGA06EVH	EHVH08S23E9W + ERGA06EVH	EHVH08S18E9W + ERGA08EVH	EHVH08S23E9W + ERGA08EVH
Space heating	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		2,213	
			ηs (Seasonal space heating efficiency)	%	158		161	
			Prated at 2°C	kW	5.6		6.8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176		179	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	11.6		13.1	
			SCOP		4.47		4.56	
			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		1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,034	
			ηs (Seasonal space heating efficiency)	%	155		154	
			Prated at -22°C	kW	6.0		8.0	
Space heating	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	

(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)

Technical specifications				EHVX04S18E3V + ERGA04EV	EHVX04S23E3V + ERGA04EV
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)	
Cooling capacity	Nom.		kW	4.86 (1) / 4.52 (2)	
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)	
	Cooling	Nom.	kW	0.810 (1) / 1.36 (2)	
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01

2 Specifications

Technical specifications				EHVX04S18E3V + ERGA04EV	EHVX04S23E3V + ERGA04EV
Heat up time from 10°C to 50°C			hr	1h28min	1h40min
COP				5.10 (1) / 3.65 (2)	
EER				5.98 (1) / 3.32 (2)	
Pump	Nominal ESP unit	Cooling	kPa	54.6 (1) / 58.8 (2)	
		Heating	kPa	59.6 (1) / 58.6 (2)	
Water side Heat exchanger	Water flow rate	Cooling Nom.	l/min	15.9 (1) / 13.0 (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		Yes	
		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	
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,280.0	
	Other	Capacity control		Inverter	
		Pck (Crankcase heater mode)	kW	0.000	
		Poff (Off mode)	kW	0.010	
		Psb (Standby mode)	kW	0.010	
		Pto (Thermostat off)	kW	0.010	
Domestic hot water heating	General	Declared load profile		L	XL
		Function to fix water heating during off peak hours		No	
Space heating general	Integrated supplementary heater	Psup	kW	3.0	
		Type of energy input		Electrical	
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	805	1,252
		ηwh (water heating efficiency)	%	127	134
		Qelec (Daily electricity consumption)	kWh	3.780	5.810
Domestic hot water heating	Average climate	Water heating energy efficiency class		A+	
	Cold climate	AEC (Annual electricity consumption)	kWh	932	1,457
		ηwh (water heating efficiency)	%	110	116
		Qelec (Daily electricity consumption)	kWh	4.370	6.750
	Warm climate	AEC (Annual electricity consumption)	kWh	668	1,033
		ηwh (water heating efficiency)	%	153	163
		Qelec (Daily electricity consumption)	kWh	3.150	4.800

2 Specifications

Technical specifications					EHVX04S18E3V + ERGA04EV	EHVX04S23E3V + ERGA04EV
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769	
			ηs (Seasonal space heating efficiency)	%	129	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	13.6	
			SCOP		3.29	
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	79	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.23	
			Pdh	kW	3.3	
			PERd	%	129	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.40	
			Pdh	kW	3.0	
			PERd	%	176	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	
			Pdh	kW	3.3	
			PERd	%	244	
		Tol (temperature operating limit)	COPd		1.37	
			Pdh	kW	4.0	
			PERd	%	55	
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	
		Tbiv (bivalent temperature)	COPd		1.97	
			Pdh	kW	5.3	

2 Specifications

Technical specifications					EHVX04S18E3V + ERGA04EV	EHVX04S23E3V + ERGA04EV
Space heating	Average climate water outlet 55°C	Tbiv (bivalent temperature)	PERd	%	79	
			Tbiv	°C	-7	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446	
			ηs (Seasonal space heating efficiency)	%	108	
			Prated at -22°C	kW	5.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616	
			ηs (Seasonal space heating efficiency)	%	152	
			Prated at 2°C	kW	4.7	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,729	
			ηs (Seasonal space heating efficiency)	%	179	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	9.82	
			SCOP		4.54	
			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	

2 Specifications

Technical specifications					EHVX04S18E3V + ERGA04EV	EHVX04S23E3V + ERGA04EV
Space heating	Average climate water outlet 35°C	Tbiv (bivalent temperature)	Tbiv	°C	-7	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208	
			ηs (Seasonal space heating efficiency)	%	151	
			Prated at -22°C	kW	5.0	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095	
			ηs (Seasonal space heating efficiency)	%	251	
			Prated at 2°C	kW	5.2	

(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)

Technical specifications					EHVX04S18E6V + ERGA04EV	EHVX04S23E6V + ERGA04EV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	
	Cooling	Nom.		kW	0.810 (1) / 1.36 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01
Heat up time from 10°C to 50°C				hr	1h28min	1h40min
COP					5.10 (1) / 3.65 (2)	
EER					5.98 (1) / 3.32 (2)	
Pump	Nominal ESP unit	Cooling		kPa	54.6 (1) / 58.8 (2)	
		Heating		kPa	59.6 (1) / 58.6 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	15.9 (1) / 13.0 (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			Yes	
		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	
Space heating general	Air to water unit	Rated airflow (outdoor)		m^3/h	2,280.0	
	Other	Capacity control			Inverter	
		Pck (Crankcase heater mode)		kW	0.000	
		Poff (Off mode)		kW	0.010	
		Psb (Standby mode)		kW	0.010	
		Pto (Thermostat off)		kW	0.010	
Domestic hot water heating	General	Declared load profile			L	XL
		Function to fix water heating during off peak hours			No	

2 Specifications

Technical specifications					EHVX04S18E6V + ERGA04EV	EHVX04S23E6V + ERGA04EV
Space heating general	Integrated supplementary heater	Psup		kW	6.0	
		Type of energy input			Electrical	
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)		kWh	820	1,267
		ηwh (water heating efficiency)		%	125	133
		Qelec (Daily electricity consumption)		kWh	3.870	5.900
Domestic hot water heating	Average climate	Water heating energy efficiency class			A+	
	Cold climate	AEC (Annual electricity consumption)		kWh	951	1,475
		ηwh (water heating efficiency)		%	107	114
		Qelec (Daily electricity consumption)		kWh	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)		kWh	680	1,046
		ηwh (water heating efficiency)		%	151	161
		Qelec (Daily electricity consumption)		kWh	3.220	4.880
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769	
			ηs (Seasonal space heating efficiency)	%	129	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	13.6	
			SCOP		3.29	
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	79	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.23	
			Pdh	kW	3.3	
			PERd	%	129	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.40	
			Pdh	kW	3.0	
			PERd	%	176	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	
			Pdh	kW	3.3	
			PERd	%	244	
		Tol (temperature operating limit)	COPd		1.37	
			Pdh	kW	4.0	
			PERd	%	55	
			TOL	°C	-10	
			WTOL	°C	55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	
		Tbiv (bivalent temperature)	COPd		1.97	
			Pdh	kW	5.3	

2 Specifications

Technical specifications					EHVX04S18E6V + ERGA04EV	EHVX04S23E6V + ERGA04EV
Space heating	Average climate water outlet 55°C	Tbiv (bivalent temperature)	PERd	%	79	
			Tbiv	°C	-7	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446	
			ηs (Seasonal space heating efficiency)	%	108	
			Prated at -22°C	kW	5.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616	
			ηs (Seasonal space heating efficiency)	%	152	
			Prated at 2°C	kW	4.7	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,729	
			ηs (Seasonal space heating efficiency)	%	179	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	9.82	
			SCOP		4.54	
			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	

2 Specifications

Technical specifications					EHVX04S18E6V + ERGA04EV	EHVX04S23E6V + ERGA04EV
Space heating	Average climate water outlet 35°C	Tbiv (bivalent temperature)	Tbiv	°C	-7	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208	
			ηs (Seasonal space heating efficiency)	%	151	
			Prated at -22°C	kW	5.0	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095	
			ηs (Seasonal space heating efficiency)	%	251	
			Prated at 2°C	kW	5.2	

(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)

Technical specifications					EHVX08S18E6V + ERGA06EVH	EHVX08S23E6V + ERGA06EVH	EHVX08S18E6V + ERGA08EVH	EHVX08S23E6V + ERGA08EVH
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.			kW	5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.		kW	1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01	2.48	3.01
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min
COP					4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Pump	Nominal ESP unit	Cooling		kPa	52.6 (1) / 56.7 (2)		51.1 (1) / 55.1 (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) / 14.6 (2)		17.9 (1) / 15.6 (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			Yes			
		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			
Space heating general	Air to water unit	Rated airflow (outdoor)		m^3/h	2,520.0		2,770.0	
	Other	Capacity control			Inverter			
		Pck (Crankcase heater mode)		kW	0.000			
		Poff (Off mode)		kW	0.010			
		Psb (Standby mode)		kW	0.010			
		Pto (Thermostat off)		kW	0.010			
Domestic hot water heating	General	Declared load profile			L	XL	L	XL
		Function to fix water heating during off peak hours			No			

2 Specifications

Technical specifications					EHVX08S18E6V + ERGA06EVH	EHVX08S23E6V + ERGA06EVH	EHVX08S18E6V + ERGA08EVH	EHVX08S23E6V + ERGA08EVH
Space heating general	Integrated supplementary heater	Psup		kW	6.0			
		Type of energy input			Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)		kWh	820	1,267	820	1,267
		ηwh (water heating efficiency)		%	125	133	125	133
		Qelec (Daily electricity consumption)		kWh	3.870	5.900	3.870	5.900
Domestic hot water heating	Average climate	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
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,405		4,939	
			ηs (Seasonal space heating efficiency)	%	128		131	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	15.9		17.8	
			SCOP		3.28		3.35	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98		1.96	
			Pdh	kW	5.9		6.9	
			PERd	%	79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244		249	
		Tol (temperature operating limit)	COPd		1.53		1.64	
			Pdh	kW	5.4		7.1	
			PERd	%	61		66	
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6		0.9	
		Tbiv (bivalent temperature)	COPd		2.12		1.90	
			Pdh	kW	6.1		7.5	

2 Specifications

Technical specifications					EHVX08S18E6V + ERGA06EVH	EHVX08S23E6V + ERGA06EVH	EHVX08S18E6V + ERGA08EVH	EHVX08S23E6V + ERGA08EVH
Space heating	Average climate water outlet 55°C	Tbiv (bivalent temperature)	PERd	%	85		76	
			Tbiv	°C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,278		6,864	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813		2,168	
			ηs (Seasonal space heating efficiency)	%	162		165	
			Prated at 2°C	kW	5.6		6.8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	178		181	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	11.5		12.9	
			SCOP		4.52		4.61	
			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	

2 Specifications

Technical specifications					EHVX08S18E6V + ERGA06EVH	EHVX08S23E6V + ERGA06EVH	EHVX08S18E6V + ERGA08EVH	EHVX08S23E6V + ERGA08EVH
Space heating	Average climate water outlet 35°C	Tbiv (bivalent temperature)	Tbiv	°C	-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0		1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727		5,012	
			ηs (Seasonal space heating efficiency)	%	156		154	
			Prated at -22°C	kW	6.0		8.0	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,232		1,393	
			ηs (Seasonal space heating efficiency)	%	257		266	
			Prated at 2°C	kW	6.0		7.0	

(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)

Technical specifications					EHVX08S18E9W + ERGA06EVH	EHVX08S23E9W + ERGA06EVH	EHVX08S18E9W + ERGA08EVH	EHVX08S23E9W + ERGA08EVH
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.			kW	5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.		kW	1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48	3.01	2.48	3.01
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min
COP					4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER					5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Pump	Nominal ESP unit	Cooling		kPa	52.6 (1) / 56.7 (2)		51.1 (1) / 55.1 (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) / 14.6 (2)		17.9 (1) / 15.6 (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			Yes			
		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			
Space heating general	Air to water unit	Rated airflow (outdoor)		m^3/h	2,520.0		2,770.0	
	Other	Capacity control			Inverter			
		Pck (Crankcase heater mode)		kW	0.000			
		Poff (Off mode)		kW	0.010			
		Psb (Standby mode)		kW	0.010			
		Pto (Thermostat off)		kW	0.010			
Domestic hot water heating	General	Declared load profile			L	XL	L	XL
		Function to fix water heating during off peak hours			No			

2 Specifications

Technical specifications					EHVX08S18E9W + ERGA06EVH	EHVX08S23E9W + ERGA06EVH	EHVX08S18E9W + ERGA08EVH	EHVX08S23E9W + ERGA08EVH
Space heating general	Integrated supplementary heater	Psup		kW	9.0			
		Type of energy input			Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)		kWh	820	1,267	820	1,267
		ηwh (water heating efficiency)		%	125	133	125	133
		Qelec (Daily electricity consumption)		kWh	3.870	5.900	3.870	5.900
Domestic hot water heating	Average climate	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
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,405		4,939	
			ηs (Seasonal space heating efficiency)	%	128		131	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	15.9		17.8	
			SCOP		3.28		3.35	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98		1.96	
			Pdh	kW	5.9		6.9	
			PERd	%	79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244		249	
		Tol (temperature operating limit)	COPd		1.53		1.64	
			Pdh	kW	5.4		7.1	
			PERd	%	61		66	
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6		0.9	
		Tbiv (bivalent temperature)	COPd		2.12		1.90	
			Pdh	kW	6.1		7.5	

2 Specifications

Technical specifications					EHVX08S18E9W + ERGA06EVH	EHVX08S23E9W + ERGA06EVH	EHVX08S18E9W + ERGA08EVH	EHVX08S23E9W + ERGA08EVH
Space heating	Average climate water outlet 55°C	Tbiv (bivalent temperature)	PERd	%	85		76	
			Tbiv	°C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,278		6,864	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813		2,168	
			ηs (Seasonal space heating efficiency)	%	162		165	
			Prated at 2°C	kW	5.6		6.8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	178		181	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	11.5		12.9	
			SCOP		4.52		4.61	
			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	

2 Specifications

Technical specifications					EHVX08S18E9W + ERGA06EVH	EHVX08S23E9W + ERGA06EVH	EHVX08S18E9W + ERGA08EVH	EHVX08S23E9W + ERGA08EVH
Space heating	Average climate water outlet 35°C	Tbiv (bivalent temperature)	Tbiv	°C	-6		-8	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0		1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727		5,012	
			ηs (Seasonal space heating efficiency)	%	156		154	
			Prated at -22°C	kW	6.0		8.0	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,232		1,393	
			ηs (Seasonal space heating efficiency)	%	257		266	
			Prated at 2°C	kW	6.0		7.0	

(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)

Technical specifications					EHVZ04S18E6V + ERGA04EV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.48
Heat up time from 10°C to 50°C				hr	1h28min
COP					5.10 (1) / 3.65 (2)
Pump	Nominal ESP unit	Heating		kPa	59.6 (1) / 58.6 (2)
Water side Heat exchanger	Water flow rate	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			Yes
		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
Space heating general	Air to water unit	Rated airflow (outdoor)		m^3/h	2,280.0
	Other	Capacity control			Inverter
		Pck (Crankcase heater mode)		kW	0.000
		Poff (Off mode)		kW	0.010
		Psb (Standby mode)		kW	0.010
		Pto (Thermostat off)		kW	0.010
Domestic hot water heating	General	Declared load profile			L
		Function to fix water heating during off peak hours			No
Space heating general	Integrated supplementary heater	Psup		kW	6.0
		Type of energy input			Electrical

2 Specifications

Technical specifications					EHVZ04S18E6V + ERGA04EV
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)		kWh	820
		ηwh (water heating efficiency)		%	125
		Qelec (Daily electricity consumption)		kWh	3.870
		Water heating energy efficiency class			A+
	Cold climate	AEC (Annual electricity consumption)		kWh	951
		ηwh (water heating efficiency)		%	107
		Qelec (Daily electricity consumption)		kWh	4.480
	Warm climate	AEC (Annual electricity consumption)		kWh	680
Domestic hot water heating	Warm climate	ηwh (water heating efficiency)		%	151
		Qelec (Daily electricity consumption)		kWh	3.220
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806
			ηs (Seasonal space heating efficiency)	%	127
			Prated at -10°C	kW	6.0
			Qhe Annual energy consumption (GCV)	Gj	13.7
			SCOP		3.26
			Seasonal space heating eff. class		A++
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0
			COPd		1.97
			Pdh	kW	5.3
			PERd	%	79
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0
			COPd		3.23
			Pdh	kW	3.3
			PERd	%	129
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0
			COPd		4.40
			Pdh	kW	3.0
			PERd	%	176
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0
			COPd		6.10
			Pdh	kW	3.3
			PERd	%	244
		Tol (temperature operating limit)	COPd		1.37
			Pdh	kW	4.0
			PERd	%	55
			TOL	°C	-10
			WTOL	°C	55
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0
		Tbiv (bivalent temperature)	COPd		1.97
			Pdh	kW	5.3
			PERd	%	79
			Tbiv	°C	-7
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468
			ηs (Seasonal space heating efficiency)	%	107
			Prated at -22°C	kW	5.0

2 Specifications

Technical specifications					EHVZ04S18E6V + ERGA04EV
Space heating	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
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,766
			ηs (Seasonal space heating efficiency)	%	176
			Prated at -10°C	kW	6.0
			Qhe Annual energy consumption (GCV)	Gj	9.96
			SCOP		4.48
			Seasonal space heating eff. class		A+++
		A Condition (-7°CDB/-8°CWB)	COPd		2.90
			Pdh	kW	5.5
			PERd	%	116
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0
			COPd		4.33
			Pdh	kW	3.3
			PERd	%	173
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0
			COPd		6.19
			Pdh	kW	3.2
			PERd	%	248
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0
			COPd		7.78
			Pdh	kW	3.3
			PERd	%	311
		Tol (temperature operating limit)	COPd		2.56
			Pdh	kW	5.2
			PERd	%	102
			TOL	°C	-10
			WTOL	°C	35
		Tbiv (bivalent temperature)	COPd		2.90
			Pdh	kW	5.5
			PERd	%	116
			Tbiv	°C	-7
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230
			ηs (Seasonal space heating efficiency)	%	150
			Prated at -22°C	kW	5.0
Space heating	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

(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)

Technical specifications				EHVZ08S18E6V + ERGA06EVH	EHVZ08S23E6V + ERGA06EVH	EHVZ08S18E6V + ERGA08EVH	EHVZ08S23E6V + ERGA08EVH
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
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min
COP				4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	

2 Specifications

Technical specifications				EHVZ08S18E6V + ERGA06EVH	EHVZ08S23E6V + ERGA06EVH	EHVZ08S18E6V + ERGA08EVH	EHVZ08S23E6V + ERGA08EVH
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		Yes			
		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			
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,520.0		2,770.0	
	Other	Capacity control		Inverter			
		Pck (Crankcase heater mode)	kW	0.000			
		Poff (Off mode)	kW	0.010			
		Psb (Standby mode)	kW	0.010			
		Pto (Thermostat off)	kW	0.010			
Domestic hot water heating	General	Declared load profile		L	XL	L	XL
		Function to fix water heating during off peak hours		No			
Space heating general	Integrated supplementary heater	Psup	kW	6.0			
		Type of energy input		Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267
		ηwh (water heating efficiency)	%	125	133	125	133
		Qelec (Daily electricity 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
Domestic hot water heating	Warm climate	ηwh (water heating efficiency)	%	151	161	151	161
		Qelec (Daily electricity consumption)	kWh	3.220	4.880	3.220	4.880

2 Specifications

Technical specifications					EHVZ08S18E6V + ERGA06EVH	EHVZ08S23E6V + ERGA06EVH	EHVZ08S18E6V + ERGA08EVH	EHVZ08S23E6V + ERGA08EVH
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,441		4,975	
			ηs (Seasonal space heating efficiency)	%	127		130	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	16.0		17.9	
			SCOP		3.26		3.32	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98		1.96	
			Pdh	kW	5.9		6.9	
			PERd	%	79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244		249	
		Tol (temperature operating limit)	COPd		1.53		1.64	
			Pdh	kW	5.4		7.1	
			PERd	%	61		66	
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6		0.9	
		Tbiv (bivalent temperature)	COPd		2.12		1.90	
			Pdh	kW	6.1		7.5	
			PERd	%	85		76	
			Tbiv	°C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300		6,886	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	

2 Specifications

Technical specifications					EHVZ08S18E6V + ERGA06EVH	EHVZ08S23E6V + ERGA06EVH	EHVZ08S18E6V + ERGA08EVH	EHVZ08S23E6V + ERGA08EVH
Space heating	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		2,213	
			ηs (Seasonal space heating efficiency)	%	158		161	
			Prated at 2°C	kW	5.6		6.8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176		179	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	11.6		13.1	
			SCOP		4.47		4.56	
			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		1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,034	
			ηs (Seasonal space heating efficiency)	%	155		154	
			Prated at -22°C	kW	6.0		8.0	
Space heating	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	

(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)

Technical specifications				EHVZ08S18E9W + ERGA06EVH	EHVZ08S23E9W + ERGA06EVH	EHVZ08S18E9W + ERGA08EVH	EHVZ08S23E9W + ERGA08EVH
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
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min

2 Specifications

Technical specifications				EHVZ08S18E9W + ERGA06EVH	EHVZ08S23E9W + ERGA06EVH	EHVZ08S18E9W + ERGA08EVH	EHVZ08S23E9W + ERGA08EVH
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/	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium			
	Manu-facturer details	Name or trademark		Daikin Europe N.V.			
	Product descrip-tion	Air-to-water heat pump		Yes			
		Brine-to-water heat pump		No			
		Heat pump combination heater		Yes			
		Low-temperature heat pump		No			
		Supplementary heater integrated		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			
Space heating general	Air to water unit	Rated airflow (outdoor)	m^3/h	2,520.0		2,770.0	
	Other	Capacity control		Inverter			
		Pck (Crankcase heater mode)	kW	0.000			
		Poff (Off mode)	kW	0.010			
		Psb (Standby mode)	kW	0.010			
		Pto (Thermostat off)	kW	0.010			
Domestic hot water heating	General	Declared load profile		L	XL	L	XL
		Function to fix water heating during off peak hours		No			
Space heating general	Inte-grated supple-mentary heater	Psup	kW	9.0			
		Type of energy input		Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267
		ηwh (water heating effi-ciency)	%	125	133	125	133
		Qelec (Daily electricity 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 effi-ciency)	%	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
Domestic hot water heating	Warm climate	ηwh (water heating effi-ciency)	%	151	161	151	161
		Qelec (Daily electricity consumption)	kWh	3.220	4.880	3.220	4.880

2 Specifications

Technical specifications					EHVZ08S18E9W + ERGA06EVH	EHVZ08S23E9W + ERGA06EVH	EHVZ08S18E9W + ERGA08EVH	EHVZ08S23E9W + ERGA08EVH
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,441		4,975	
			ηs (Seasonal space heating efficiency)	%	127		130	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	16.0		17.9	
			SCOP		3.26		3.32	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd		1.98		1.96	
			Pdh	kW	5.9		6.9	
			PERd	%	79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244		249	
		Tol (temperature operating limit)	COPd		1.53		1.64	
			Pdh	kW	5.4		7.1	
			PERd	%	61		66	
			TOL	°C	-10			
			WTOL	°C	55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6		0.9	
		Tbiv (bivalent temperature)	COPd		2.12		1.90	
			Pdh	kW	6.1		7.5	
			PERd	%	85		76	
			Tbiv	°C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300		6,886	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	

2 Specifications

Technical specifications					EHVZ08S18E9W + ERGA06EVH	EHVZ08S23E9W + ERGA06EVH	EHVZ08S18E9W + ERGA08EVH	EHVZ08S23E9W + ERGA08EVH
Space heating	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		2,213	
			ηs (Seasonal space heating efficiency)	%	158		161	
			Prated at 2°C	kW	5.6		6.8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,233		3,625	
			ηs (Seasonal space heating efficiency)	%	176		179	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	11.6		13.1	
			SCOP		4.47		4.56	
			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		1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,034	
			ηs (Seasonal space heating efficiency)	%	155		154	
			Prated at -22°C	kW	6.0		8.0	
Space heating	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	

(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)

Technical Specifications				ERGA04EV
Casing	Colour			Ivory white
	Material			Polyester painted galvanised steel plate
Dimensions	Unit	Height	mm	740
		Width	mm	884
		Depth	mm	388
	Packed unit	Height	mm	815
		Width	mm	1,043
		Depth	mm	478

2 Specifications

Technical Specifications					ERGA04EV
Weight	Unit			kg	58.5
	Packed unit			kg	60
Packing	Material				Cardboard / EPS
	Weight			kg	1.5
Heat exchanger	Length			mm	920
	Rows	Quantity			2
	Fin pitch			mm	1.40
	Passes	Quantity			32
	Face area			m^2	0.658
	Tube type				ø7 Hi-XA
	Fin	Type			Aluminium
		Treatment			Anti-corrosion Hydrophilic
Fan	Type				Propeller fan
	Quantity				1
	Discharge direction				Horizontal
Fan motor	Quantity				1
	Model				KFD-325-77-10A
	Output			W	77
	Speed	Heating	Nom.	rpm	620
		Cooling	Nom.	rpm	780
Compressor	Quantity				1
	Model				2YC71EXD#C
	Type				Hermetically sealed swing compressor
PED	Category				Category II
Operation range	Heating	Min.		°CDB	-25
		Max.		°CDB	25
	Cooling	Min.		°CDB	10
		Max.		°CDB	43
Operation range	Domestic hot water	Max.		°CDB	35
		Min.		°CDB	-25
PED	Most critical part	Ps*V		Bar*l	110.4
Sound power level	Heating	Nom.		dBA	58 (1)
	Cooling	Nom.		dBA	61 (1)
Sound pressure level	Heating	Nom.		dBA	44 (1)
	Cooling	Nom.		dBA	48 (1)
Refrigerant	Type				R-32
	GWP				675.0
	Charge			TCO2Eq	1.01
	Charge			kg	1.50
	Control				Expansion valve
	Circuits	Quantity			1
Refrigerant oil	Type				FW68DA
	Charged volume			l	0.9
Piping connections	Liquid	Quantity			1
		Type			Flare connection
		OD		mm	6
	Gas	Quantity			1
		Type			Flare connection
		OD		mm	15.9
	Drain	Quantity			2
		Type			Hole
		OD		mm	18
	Piping length	OU - IU	Min.	m	3
			Max.	m	30
		System	Chargeless	m	10
	High pressure side	Design pressure		bar	46
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)
	Level difference	IU - OU	Max.	m	20.0
	Heat insulation				Both liquid and gas pipes
Defrost control					Sensor for outdoor heat exchanger temperature
Defrost method					Reversed cycle
Safety devices	Item	01			High pressure switch

2 Specifications

Electrical Specifications				ERGA04EV
Power supply	Name			V3
	Phase			1N~
	Frequency		Hz	50
	Voltage		V	230
	Voltage range	Min.	%	-10
		Max.	%	10
Current	Maximum running current	Heating	A	19.9
	Recommended fuses		A	20
Wiring connections	For power supply	Quantity		3
		Remark		4mm²
	For connection with indoor	Quantity		4
		Remark		1,5mm²
IP class	IP			IPX4

(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)

Technical Specifications					ERGA06EVH	ERGA08EVH
Casing	Colour				Ivory white	
	Material				Polyester painted galvanised steel plate	
Dimensions	Unit	Height		mm	740	
		Width		mm	884	
		Depth		mm	388	
	Packed unit	Height		mm	815	
		Width		mm	1,043	
		Depth		mm	478	
Weight	Unit			kg	58.5	
	Packed unit			kg	60	
Packing	Material				Cardboard / EPS	
	Weight			kg	1.5	
Heat exchanger	Length			mm	920	
	Rows	Quantity			2	
	Fin pitch			mm	1.40	
	Passes	Quantity			32	
	Face area			m²	0.658	
	Tube type				ø7 Hi-XA	
	Fin	Type			Aluminium	
		Treatment			Anti-corrosion Hydrophilic	
Fan	Type				Propeller fan	
	Quantity				1	
	Discharge direction				Horizontal	
Fan motor	Quantity				1	
	Model				KFD-325-77-10A	
	Output			W	77	
	Speed	Heating	Nom.	rpm	680	740
		Cooling	Nom.	rpm	780	
Compressor	Quantity				1	
	Model				2YC71EXD#C	
	Type				Hermetically sealed swing compressor	
PED	Category				Category II	
Operation range	Heating	Min.		°CDB	-25	
		Max.		°CDB	25	
	Cooling	Min.		°CDB	10	
		Max.		°CDB	43	
Operation range	Domestic hot water	Max.		°CDB	35	
		Min.		°CDB	-25	
PED	Most critical part	Ps*V		Bar*l	110.4	
Sound power level	Heating	Nom.		dBA	60 (1)	62 (1)
	Cooling	Nom.		dBA	62 (1)	
Sound pressure level	Heating	Nom.		dBA	47 (1)	49 (1)
	Cooling	Nom.		dBA	49 (1)	50 (1)
Refrigerant	Type				R-32	
	GWP				675.0	
	Charge			TCO2Eq	1.01	
	Charge			kg	1.50	
	Control				Expansion valve	
	Circuits	Quantity			1	

2 Specifications

Technical Specifications					ERGA06EVH	ERGA08EVH
Refrigerant oil	Type				FW68DA	
	Charged volume			l	0.9	
Piping connections	Liquid	Quantity			1	
		Type			Flare connection	
		OD		mm	6	
	Gas	Quantity			1	
		Type			Flare connection	
		OD		mm	15.9	
	Drain	Quantity			2	
		Type			Hole	
		OD		mm	18	
	Piping length	OU - IU	Min.	m	3	
			Max.	m	30	
		System	Chargeless	m	10	
	High pressure side	Design pressure		bar	46	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	30.0	
	Heat insulation				Both liquid and gas pipes	
Defrost control					Sensor for outdoor heat exchanger temperature	
Defrost method					Reversed cycle	
Safety devices	Item	01			High pressure switch	

Electrical Specifications				ERGA06EVH	ERGA08EVH
Power supply	Name			V3	
	Phase			1N~	
	Frequency		Hz	50	
	Voltage		V	230	
	Voltage range	Min.	%	-10	
		Max.	%	10	
Current	Maximum running current	Heating	A	19.9	24.0
	Recommended fuses		A	20	25
Wiring connections	For power supply	Quantity		3	
		Remark		4mm²	
	For connection with indoor	Quantity		4	
		Remark		1,5mm²	
IP class	IP			IPX4	

(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

ERGA-EV
ERGA06-08EVH

Kit availability for outdoor units

·D· series

		RGA04DAV3	*RGA06DAV3*	*RGA08DAV3*
EKDP008D	Drain pan kit	o	o	o
EKDPH008CA	Drain pan heater	o	o	o
EKFT008D	Feet kit	o	o	o
EKLN08A1	Low noise kit	o	o	o

Kit availability for outdoor units

·E· series

		ERGA04EAV3*	ERGA06EAV3*	ERGA08EAV3*
EKDP008D	Drain pan kit	o	o	o
EKDPH008CA	Drain pan heater	o	o	o
EKFT008D	Feet kit	o	o	o
EKLN08A1	Low noise kit	o	o	o

Notes

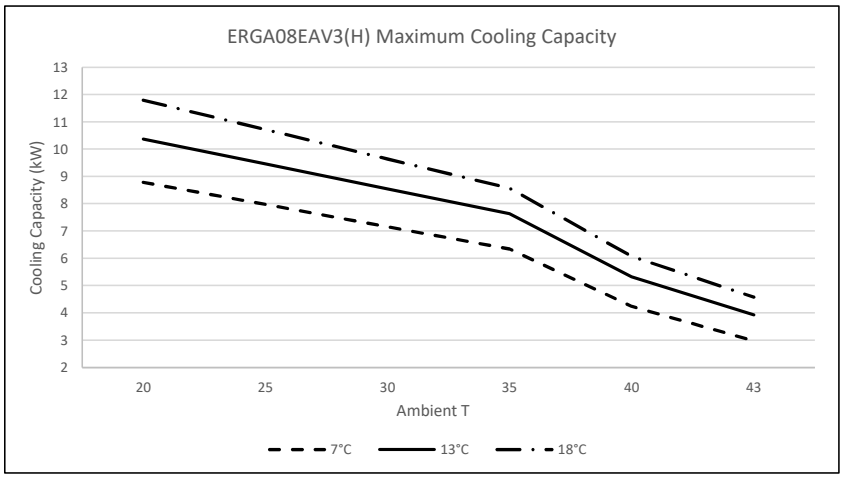
When installing ·EKHDP008D· units in heavy snowfall areas, also install option kit ·EKDPH008CA·.

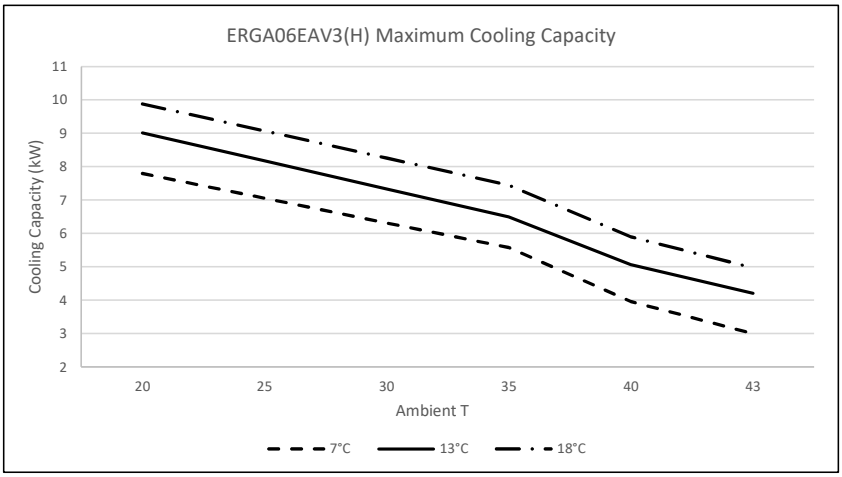
3D111531E

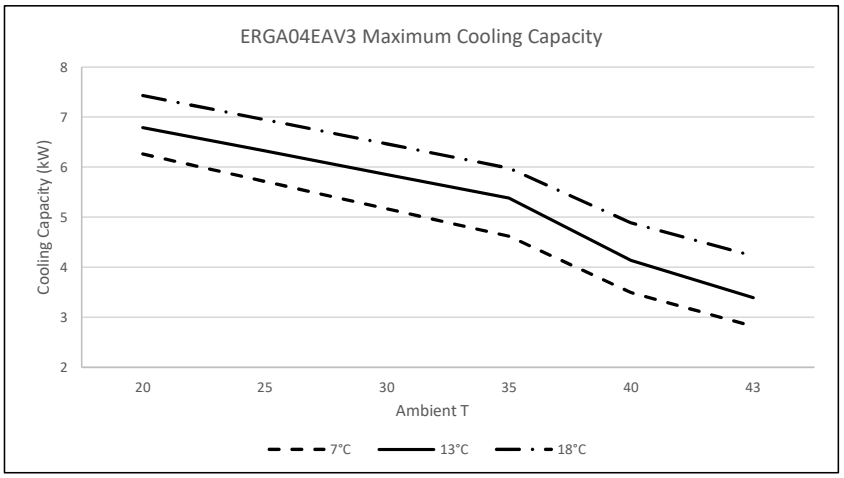
4 Capacity graphs

4 - 1 Cooling Capacity Graphs

ERGA-EV
ERGA06-08EVH





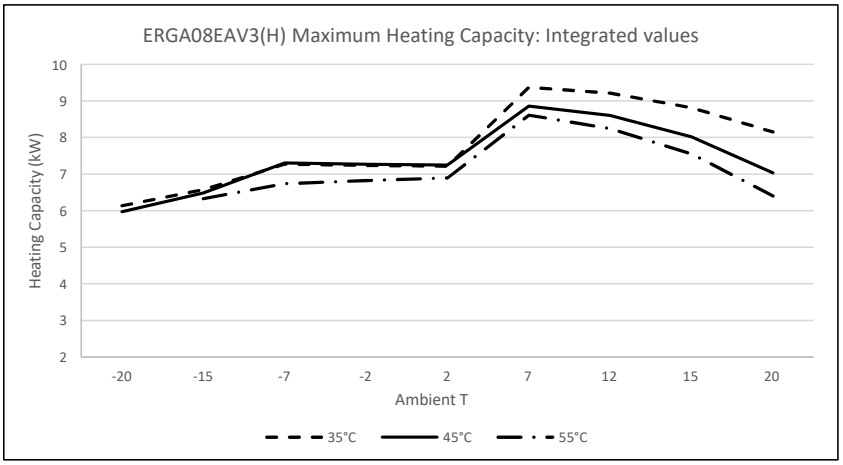


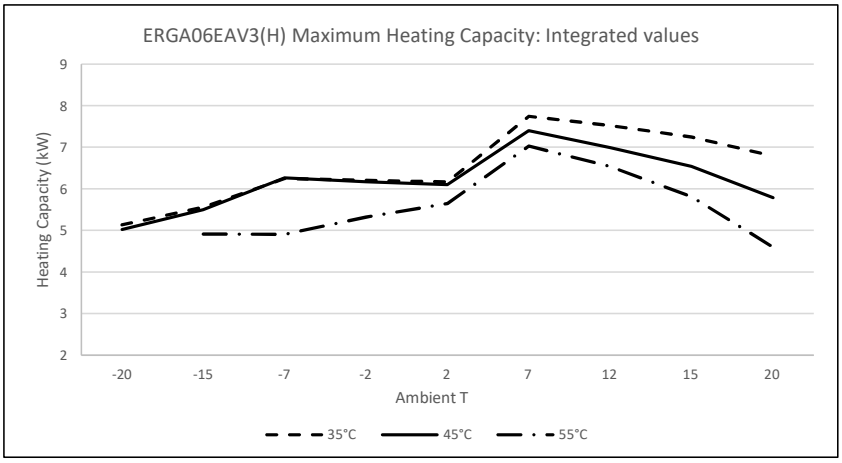
3D112789F

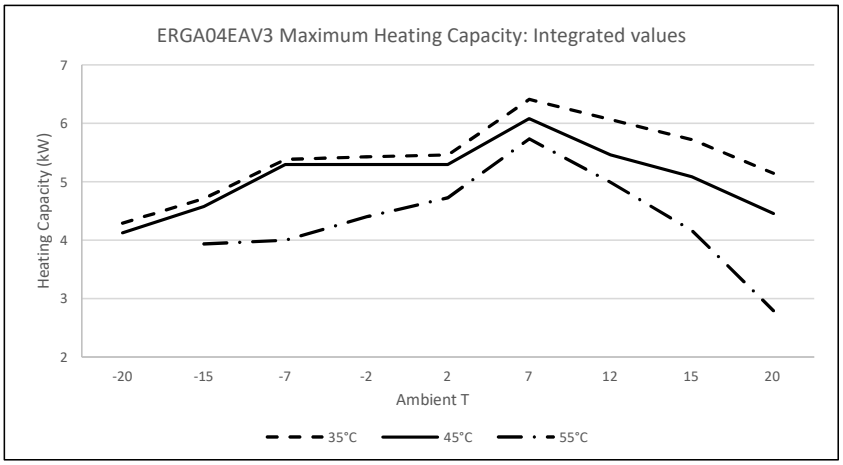
4 Capacity graphs

4 - 2 Heating Capacity Graphs

ERGA-EV
ERGA06-08EVH





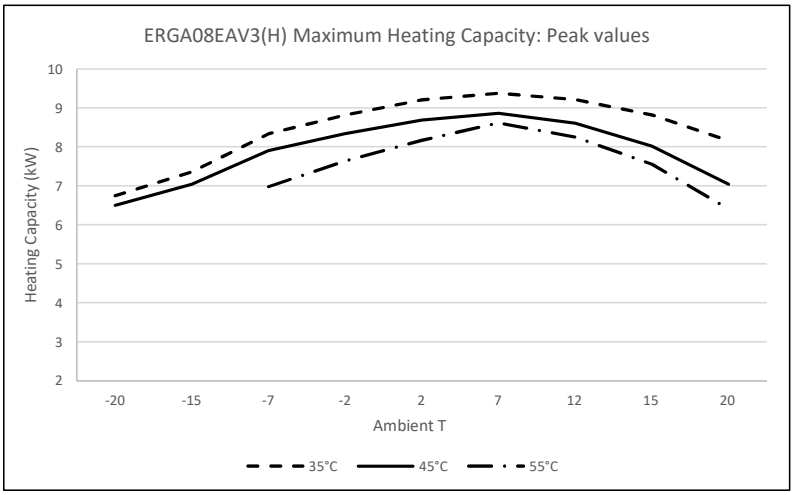


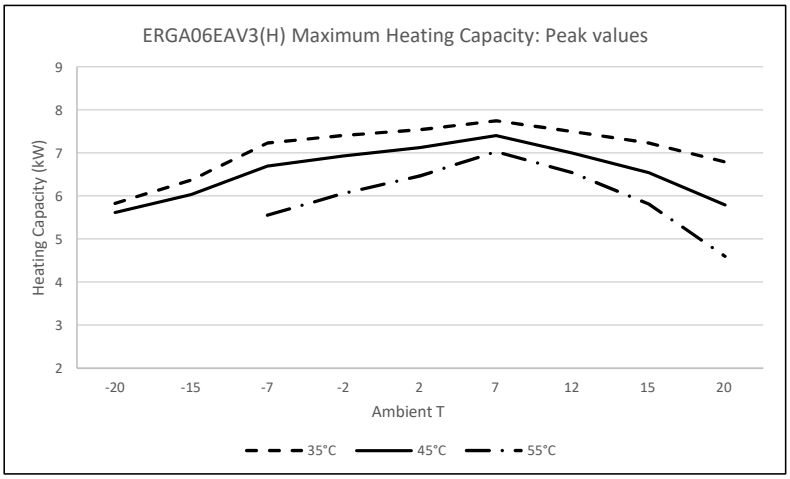
3D112789F

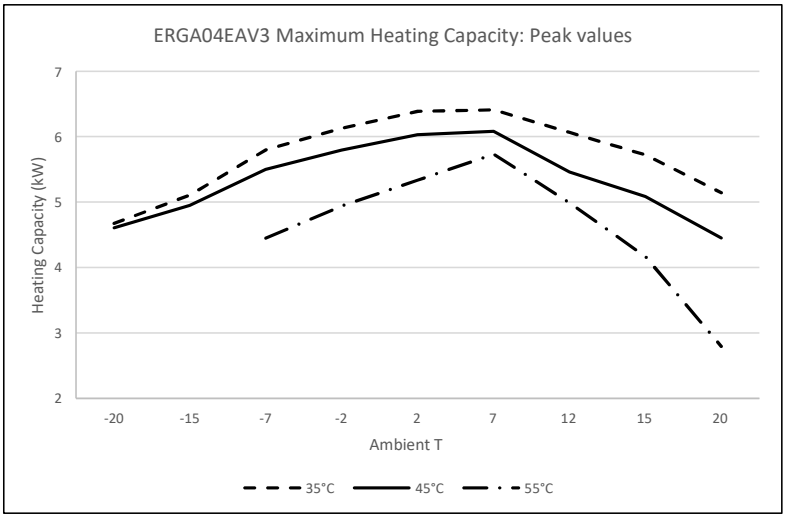
4 Capacity graphs

4 - 2 Heating Capacity Graphs

ERGA-EV
ERGA06-08EVH





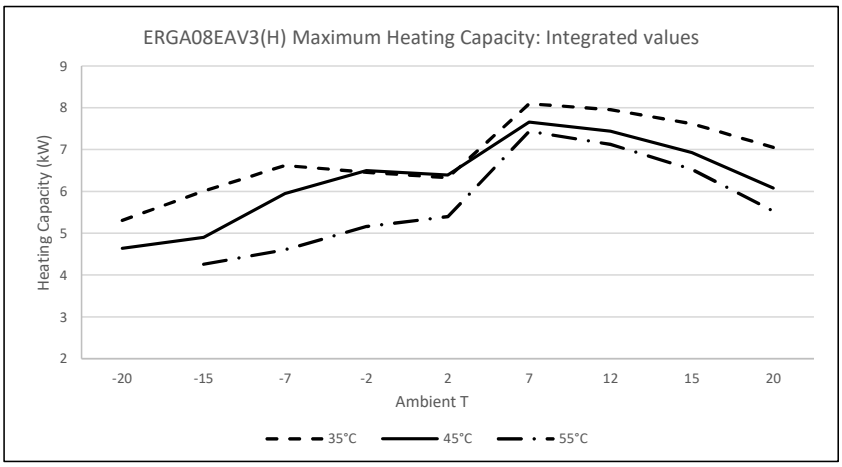


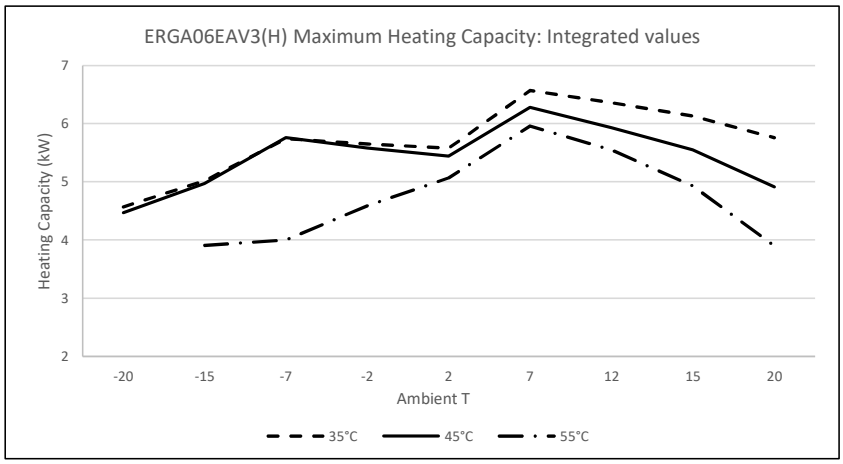
3D112789F

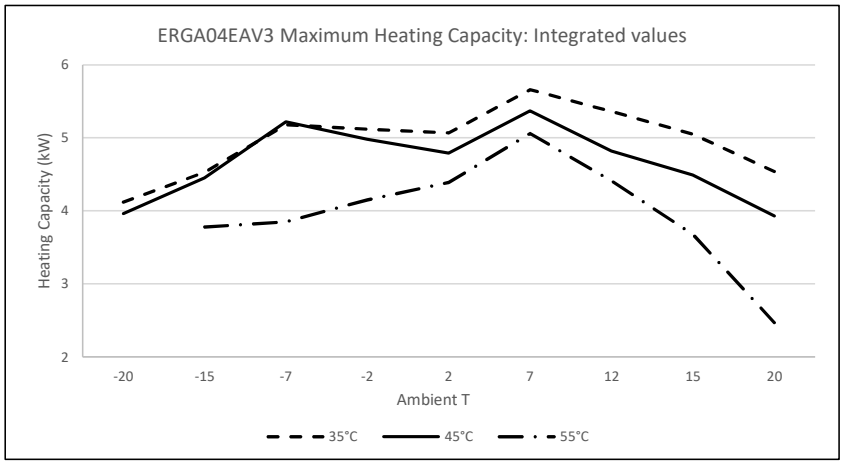
4 Capacity graphs

4 - 3 Heating Capacity Graphs - more quiet mode

ERGA-EV
ERGA06-08EVH







3D116504D

5 Capacity tables

5 - 1 Certification Programs

ERGA-EV
ERGA06-08EVH

Rated data for certification programmes - heating mode

Tamb [°C]	EWC [°C]	LWC [°C]	ERGA04EAV3 HC [kW]	ERGA04EAV3 COP	ERGA06EAV3(H) HC [kW]	ERGA06EAV3(H) COP	ERGA08EAV3(H) HC [kW]	ERGA08EAV3(H) 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]	ERGA04EAV3A HC [kW]	ERGA04EAV3A COP	ERGA06EAV3A HC [kW]	ERGA06EAV3A COP	ERGA08EAV3A HC [kW]	ERGA08EAV3A 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]	ERGA04EAV3(A) CC [kW]	ERGA04EAV3(A) EER	ERGA06EAV3(A/H) CC [kW]	ERGA06EAV3(A/H) EER	ERGA08EAV3(A/H) CC [kW]	ERGA08EAV3(A/H) EER
35	23	18	4,86	5,98	5,96	5,61	6,25	5,40
35	12	7	4,52	3,32	5,09	3,28	5,44	3,14

Rated data for sound GET database

Standard sound model		ERGA04EAV3(A)	ERGA06EAV3(A/H)	ERGA08EAV3(A/H)
Maximum sound day	Sound power [dBA]	60	62	65
Maximum sound night	Sound power [dBA]	54	54	54

Low sound model		ERGA04EAV3(A)	ERGA06EAV3(A/H)	ERGA08EAV3(A/H)
Maximum sound day	Sound power [dBA]	59	61	63
Maximum sound night	Sound power [dBA]	52	52	52

Seasonal data - cooling

Low temperature Application

		LWE 7°C ERGA04EAV3(A)	ERGA06EAV3(A/H)	ERGA08EAV3(A/H)
SEER	[-]	5,66	5,73	5,71
Pdes	[kW]	4,5	5,1	5,4
$\eta_{s,c}$	[-]	223%	226%	226%
Q_{CE}	[kWh/annum]	480	533	571

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]
Pdes	Nominal capacity value at design temperature [kW]
$\eta_{s,c}$	Seasonal space cooling energy efficiency according to ·EN14825·
SEER	Seasonal energy efficiency ratio according to ·EN14825·
Q_{CE}	Annual energy consumption for cooling according to ·EN14825·

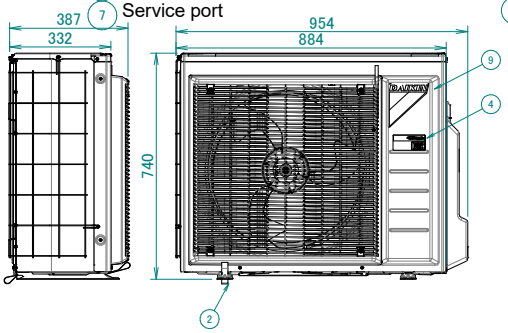
3D130964B

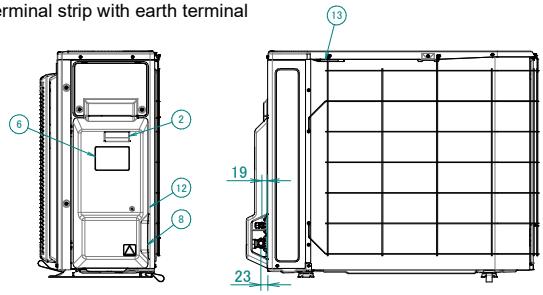
6 Dimensional drawings

6 - 1 Dimensional Drawings

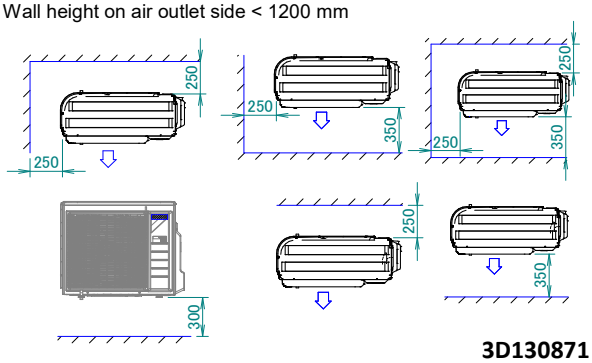
ERGA-EV
ERGA06-08EVH

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 ø15.9 CuT
11. Liquid stop valve ø6.4 CuT
12. Product liability label
13. Outdoor air temperature thermistor
14. Pitch of foundation bolt holes
15. Terminal strip with earth terminal

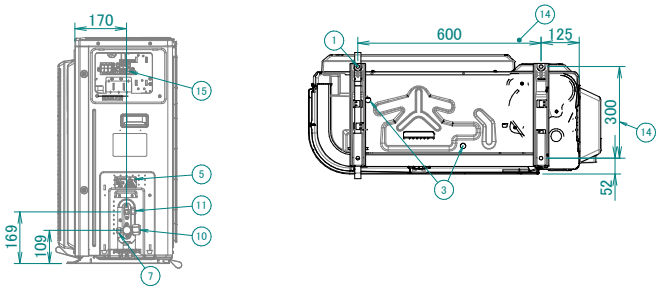




Minimum space for air passage
Wall height on air outlet side < 1200 mm



In case of removing the stop valve cover.

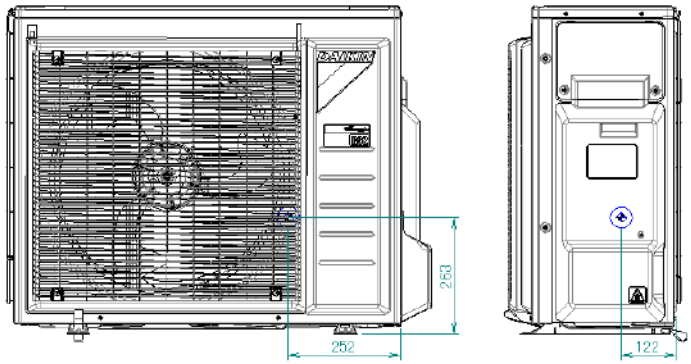


3D130871

7 Centre of gravity

7 - 1 Centre of Gravity

ERGA-EV
ERGA06-08EVH

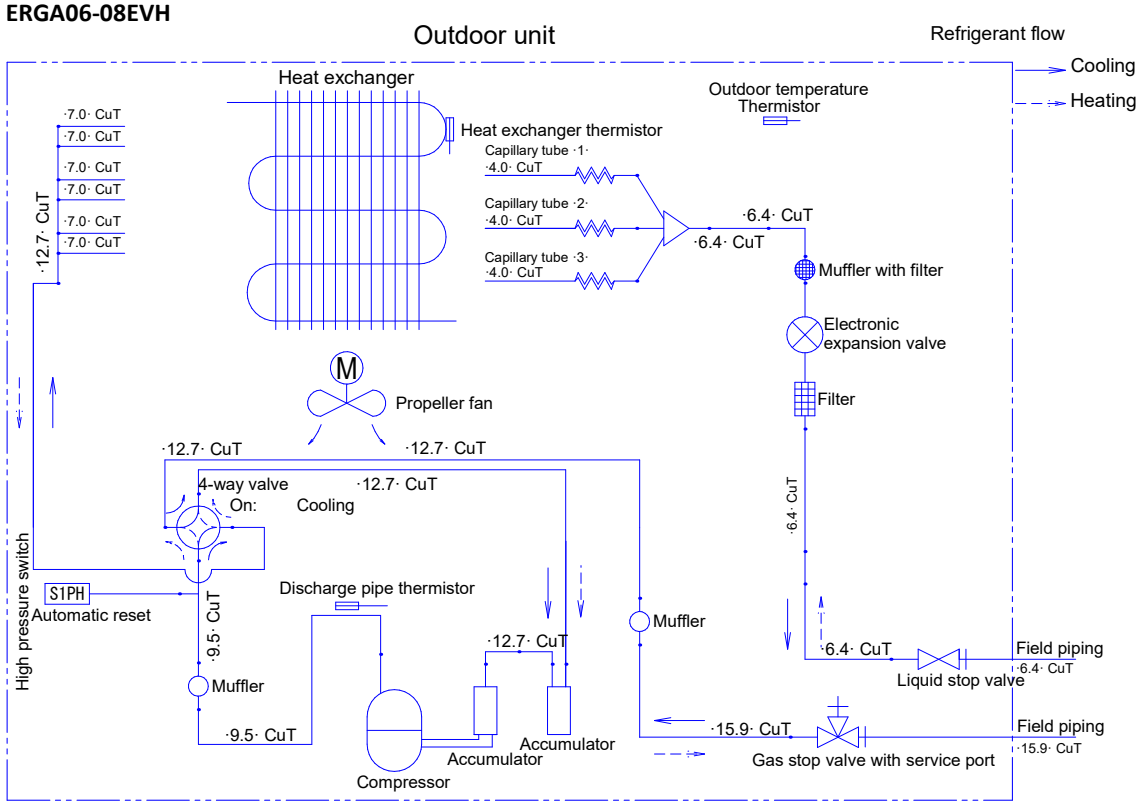


4D130872A

8 Piping diagrams

8 - 1 Piping Diagrams

ERGA-EV
ERGA06-08EVH



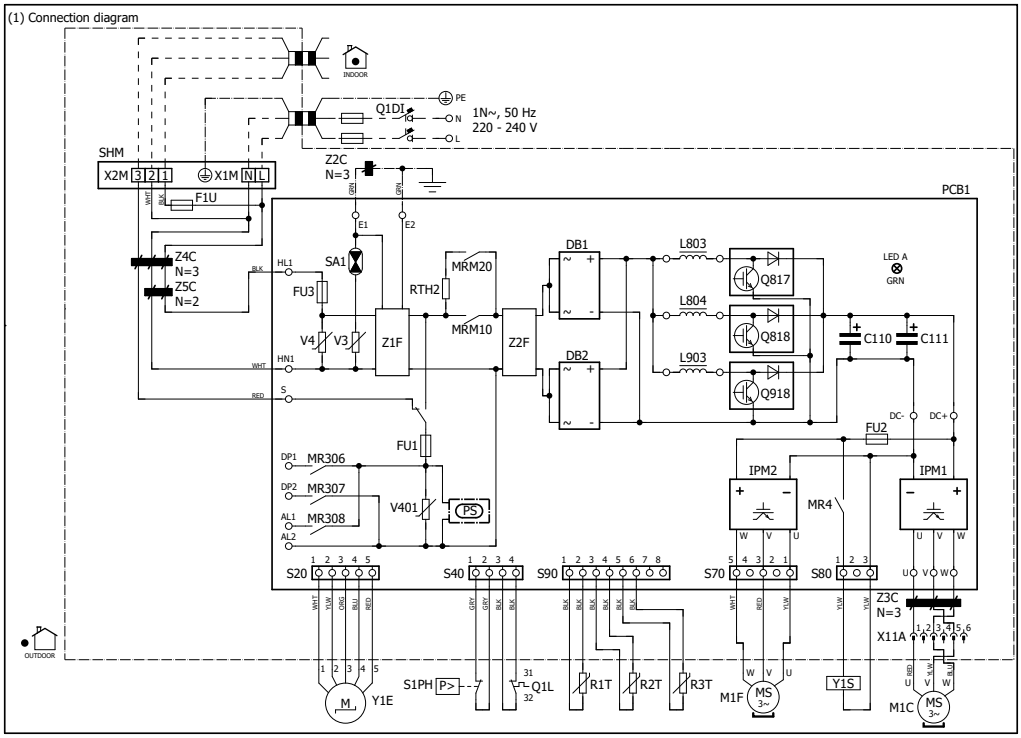
3D110394B

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

ERGA-EV
ERGA06-08EVH

(1) Connection diagram



(3) Legend

\# : Field supply
* : Optional

Part n°		Description
AL*		Connector
C*		Capacitor
DB*		Rectifier bridge
DC*		Connector
DP*		Connector
E*		Connector
F1U		Fuse T 6,3 A 250 V
FU1, FU2		Fuse T 3,15 A 250 V
FU3		Fuse T 30 A 250 V
H*		Connector
IPM*		Intelligent power module
L		Connector
LED A		Pilot lamp
L*		Reactor
M1C		Compressor motor
M1F		Fan motor
MR*		Magnetic relay
N		Connector
PCB1		Printed circuit board (main)
PS		Switching power supply
Q1L		Thermal protector
Q1DI	#	Earth leakage circuit breaker
Q*		Insulated gate bipolar transistor (IGBT)
R1T		Thermistor (air)
R2T		Thermistor (heat exchanger)
R3T		Thermistor (discharge)
RTH2		Resistor
S		Connector
S1PH		High pressure switch
S2~80		Connector
SA1		Surge arrestor
SHM		Terminal strip fixed plate
U, V, W		Connector
V3, V4, V401		Varistor
X*A		Connector
X*M		Terminal strip
Y1E		Electronic expansion valve
Y1S		Solenoid valve (4-way valve)
Z*C		Noise filter (ferrite core)
Z*F		Noise filter

(2) Notes

: Connection
X1M : Main terminal
: Earth wiring
: Field supply
: Option
: switch box
: PCB
: Wiring depending on model
: Protective earth
: Field wire

NOTES:
1. When operating, do not short-circuit protection device(s) S1PH and Q1L.
2. Refer to the combination table and the option manual for how to connect the wiring to X6A, X28A and X77A.
3. Colours: BLK:black; RED:red; BLU:blue; WHT:white; GRN:green; YLW:yellow

4D130218

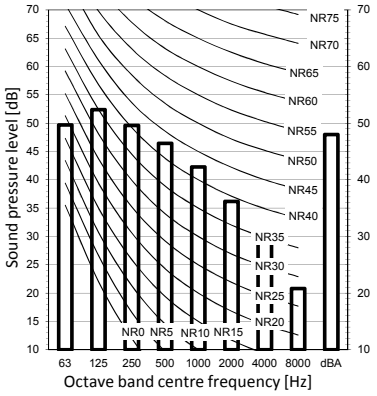
10 Sound data

10 - 1 Sound Pressure Spectrum - Cooling

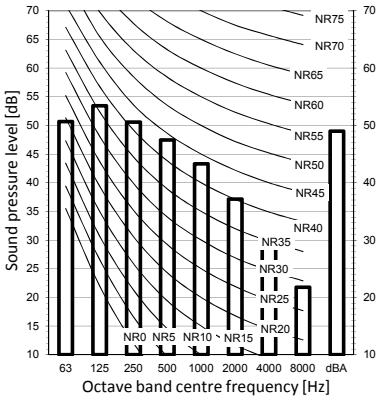
ERGA-EV

ERGA06-08EVH **Cooling**

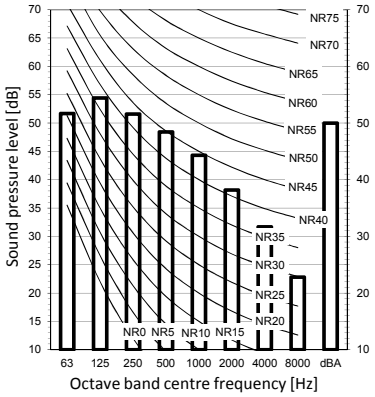
ERGA04*



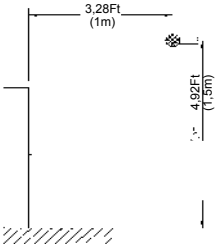
ERGA06*



ERGA08*



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



Measuring location (discharge side)

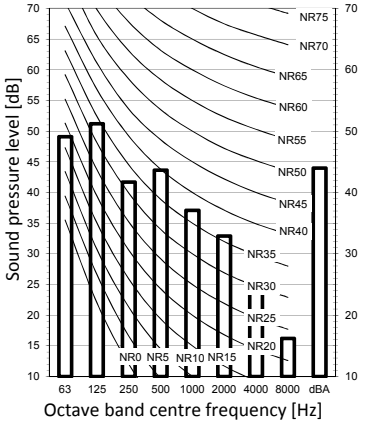
3D111595

10 Sound data

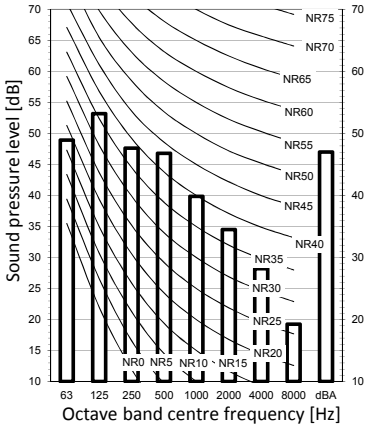
10 - 2 Sound Pressure Spectrum - Heating

ERGA-EV
ERGA06-08EVH **Heating**

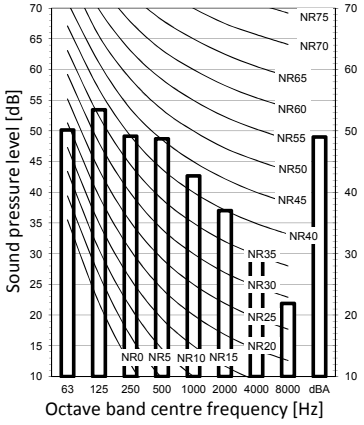
ERGA04*



ERGA06*

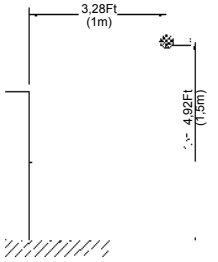


ERGA08*



Notes

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



Measuring location (discharge side)

3D111594A

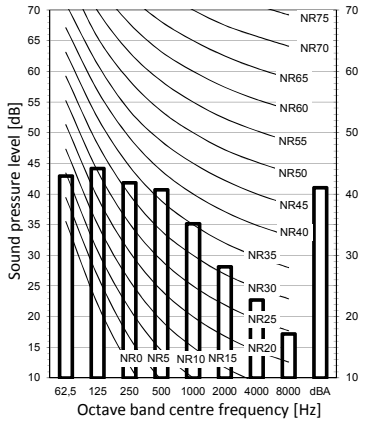
10 Sound data

10 - 3 Sound Pressure Spectrum Quiet Mode

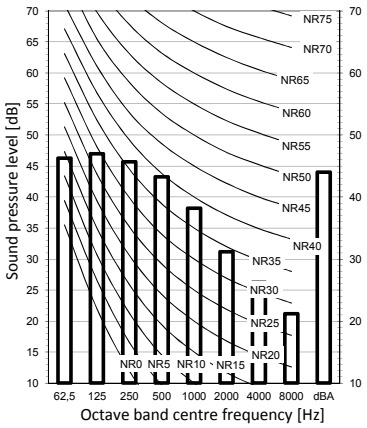
ERGA-EV
ERGA06-08EVH

Heating more quiet mode

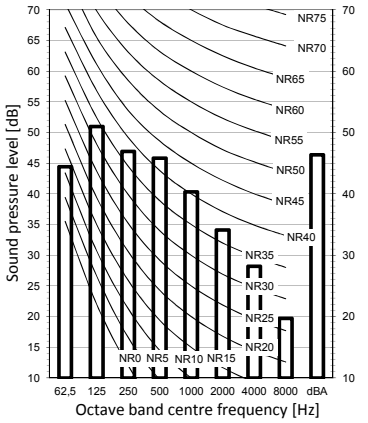
ERGA04*



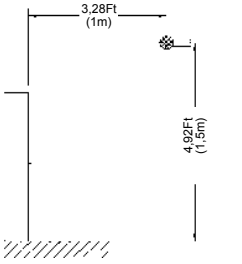
ERGA06*



ERGA08*



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



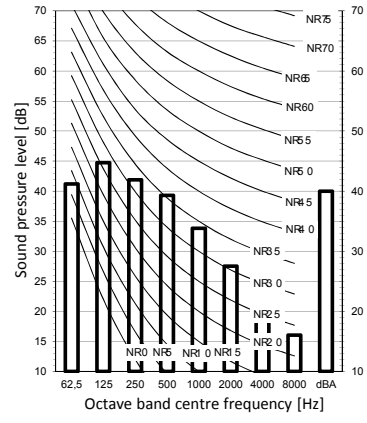
Measuring location (discharge side)

3D116213

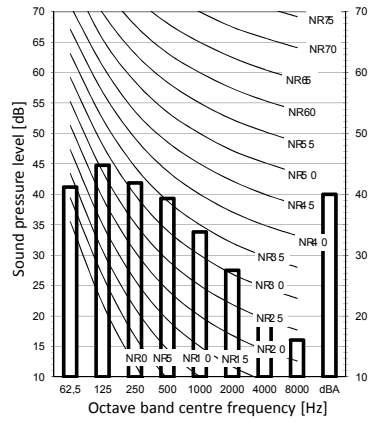
ERGA-EV
ERGA06-08EVH

Heating most quiet mode

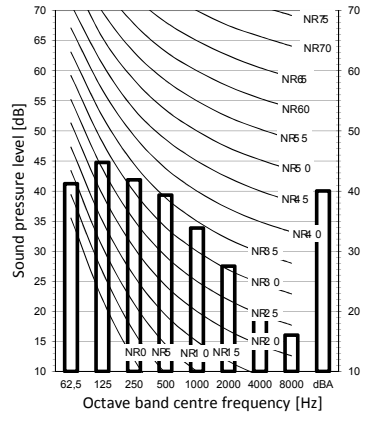
ERGA04*



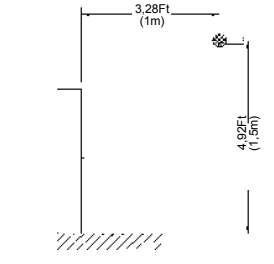
ERGA06*



ERGA08*



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



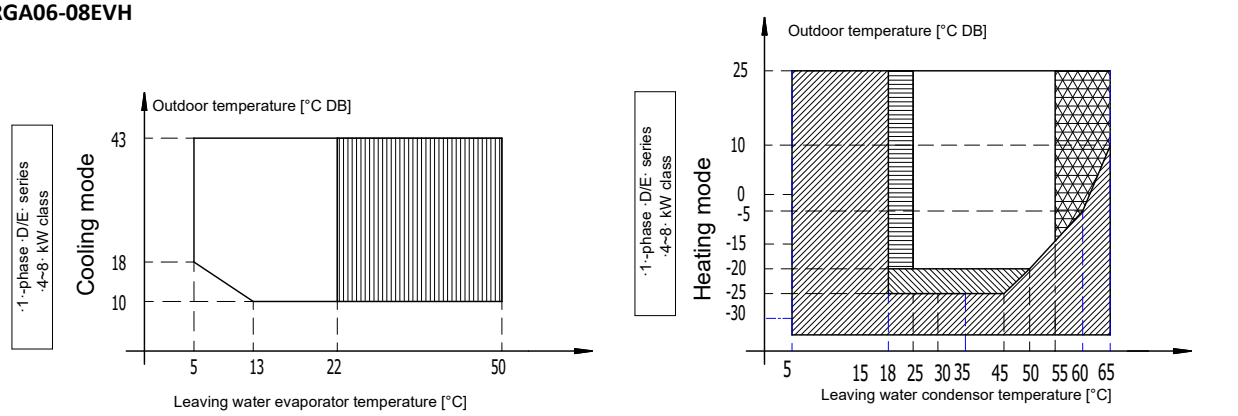
Measuring location (discharge side)

3D116214

11 Operation range

11 - 1 Operation Range

ERGA-EV
ERGA06-08EVH



Legend

- Backup heater only operation / No outdoor unit operation
- Outdoor unit operation if setpoint ≥ ·25°C·
- Operation of outdoor unit possible, but with possible capacity reduction. If the outdoor temperature < –25°C, the outdoor unit will stop. Indoor unit and backup heater operation will continue.
- Pull-down area
- Outdoor unit operation if setpoint >·55·°C and ΔT = ·10·°C (ΔT = outlet temperature – inlet temperature)

Indoor	
·D/E(A/F/J)· series	Standard

Remark

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

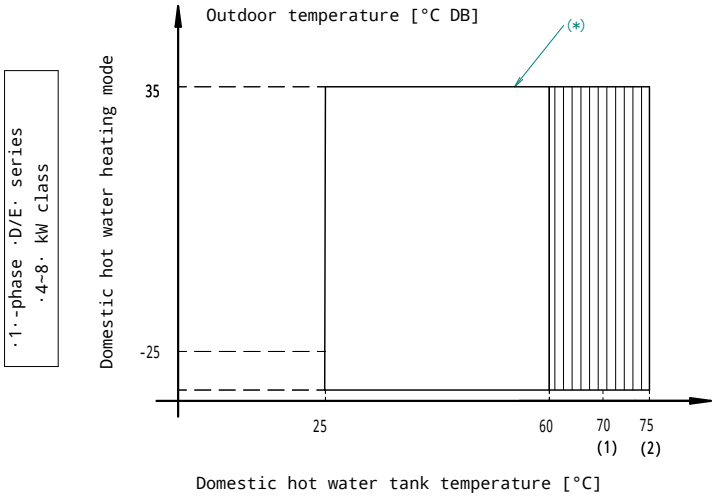
Warning

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, …

3D111563D

ERGA-EV
ERGA06-08EVH



Legend

- Booster heater only operation (if a booster heater is part of the system)
  - (1) ·EHV*D/E(A/J)V*· indoor units only
  - (2) Combination of ·EKHWS*DA*· and ·EHB*D/E(A/F)V*· indoor units

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

Remark

In restricted power supply mode (·EKHW*· only), the outdoor unit, booster heater and backup heater can only operate separately.

If the outdoor temperature ·<-20·°C, then outdoor unit operation is possible, but with a possible capacity reduction.

If the outdoor temperature < –25°C, the outdoor unit will stop.
Indoor unit and backup heater operation will continue.

3D111564F

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)

EEDEN22 01/2022