



Daikin Altherma low
temperature split
Technical Data

ERGA-EV

ERGA06-08EVH



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ERGA-EV / ERGA06-08EVH

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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

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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		
	Outdoor		dB(A)	58		
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	2,280.0	
	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)		10
				COPd		197
				Pdh	kW	5.3
				PERd	%	79
B Condition (2°CDB/1°CWB)				Cdh (Degradation heating)		10
				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)		10
			COPd		4.40
		D Condition (12°CDB/11°CWB)	Pdh	kW	3.0
			PERd	%	176
			CdH (Degradation heating)		10
			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	
	Rated heat output supplementary capacity	WTOL		55	
		Psup (at Tdesign -10°C)	kW	2.0	
		Tbiv (bivalent temperature)	COPd		197
			Pdh	kW	5.3
	Cold climate water outlet 55°C	General	PERd	%	79
			Tbiv	°C	-7
		Annual energy consumption	kWh	4,468	
		ηs (Seasonal space heating efficiency)	%	107	
Warm climate water outlet 55°C	General	Prated at -22°C	kW	5.0	
		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	
B Condition (2°CDB/1°CWB)	PERd		116		
	CdH (Degradation heating)		10		
		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)	Cdhd (Degradation heating)			10
			COPd			6.19
			Pdh	kW	3.2	
			PERd	%	248	
		D Condition (12°CDB/11°CWB)	Cdhd (Degradation heating)			10
			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		
	Tbiv (bivalent temperature)	COPd			35	
		Pdh	kW	2.90		
		PERd	%	5.5		
		Tbiv	°C	116		
	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	124 (1) / 169 (2)	163 (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 EN 12102 under conditions of the EN 14825				

2 Specifications

2

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		
	Inte-grated supple-mentary heater	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		
		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)		10	
			COPd		198	196
			Pdh	kW	5.9	6.9
			PERd	%	79	78
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		10		
		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)		10		
			COPd		4.49	4.64	
			Pdh	kW	3.0	3.3	
			PERd	%	180	186	
		D Condition (12°CDB/11°CWB)	CdH (Degradation heating)		10		
			COPd		6.10	6.22	
			Pdh	kW	3.3	4.1	
			PERd	%	244	249	
	Tol (temperature operating limit)	COPd		153	164		
		Pdh	kW	5.4	7.1		
		PERd	%	61	66		
		TOL	°C		-10		
	Rated heat output supplementary capacity	WTOL			55		
		Psup (at Tdesign -10°C)	kW	16	0.9		
		Tbiv (bivalent temperature)	COPd		2.12	190	
			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	116	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)		10				
	COPd		4.25	4.35			

2 Specifications


2

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)		10		
			COPd		6.30	6.49	
			Pdh	kW	3.2	3.3	
		D Condition (12°CDB/11°CWB)	PERd		252		
			CdH (Degradation heating)		10		
			COPd		7.78	8.52	
			Pdh		3.3		
			PERd		341		
			Tol (temperature operating limit)		2.49		
			Pdh		6.0		
			PERd		100		
			TOL		-10		
			WTOL		35		
			Tbiv (bivalent temperature)		3.07		
			COPd		2.66		
	Pdh		6.1				
	PERd		123				
	Tbiv		-6				
Rated heat output supplementary capacity	Psup (at Tdesign -10°C)		10				
			11				
Cold climate water outlet 35°C	General	Annual energy consumption		3,749	5,034		
		ηs (Seasonal space heating efficiency)		155	154		
		Prated at -22°C		6.0	8.0		
Warm climate water outlet 35°C	General	Annual energy consumption		1,276	1,437		
		ηs (Seasonal space heating efficiency)		248	257		
		Prated at 2°C		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 EN 12102 under conditions of the EN 14825		

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		
	Inte-grated supplementary heater	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		
	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)		10	
			COPd		198	196
			Pdh	kW	5.9	6.9
			PERd	%	79	78
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		10	
			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)		10	
			COPd		4.49	4.64
			Pdh	kW	3.0	3.3
			PERd	%	180	186
		D Condition (12°CDB/11°CWB)	CdH (Degradation heating)		10	
			COPd		6.10	6.22
			Pdh	kW	3.3	4.1
		Tol (temperature operating limit)	COPd		153	164
	Pdh			kW	5.4	7.1
	TOL			61	66	
			WTOL	°C	-10	55
	Rated heat output supplementary capacity	Tbiv (bivalent temperature)	Psup (at Tdesign -10°C)	kW	16	0.9
			COPd		2.12	190
			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	116	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)		10			
	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)		10		
			COPd		6.30	6.49	
			Pdh	kW	3.2	3.3	
			PERd	%	252	260	
		D Condition (12°CDB/11°CWB)	CdH (Degradation heating)		10		
			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		
	Tbiv (bivalent temperature)	COPd			35		
		Pdh	kW	3.07	2.66		
		PERd	%	6.1	7.5		
		Tbiv	°C	123	106		
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)		10	11		
		Tbiv			-8		
PERd			106				
Pdh			7.5				
Cold climate water outlet 35°C	General	Annual energy consumption		3,749	5,034		
		ηs (Seasonal space heating efficiency)		155	154		
		Prated at -22°C		6.0	8.0		
		kW					
Warm climate water outlet 35°C	General	Annual energy consumption		1,276	1,437		
		ηs (Seasonal space heating efficiency)		248	257		
		Prated at 2°C		6.0	7.0		
		kW					

(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

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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	
	Inte-grated 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)		10

2 Specifications

Technical specifications			EHBX04E6V + ERGA04EV	
Space heating	Average climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	COPd	197
			Pdh kW	5.3
			PERd %	79
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	10
			COPd	3.23
			Pdh kW	3.3
		C Condition (7°CDB/6°CWB)	PERd %	129
			Cdh (Degradation heating)	10
			COPd	4.40
		D Condition (12°CDB/11°CWB)	Pdh kW	3.0
			PERd %	176
			Cdh (Degradation heating)	10
		Tol (temperature operating limit)	COPd	6.10
			Pdh kW	3.3
			PERd %	244
		Rated heat output supplementary capacity	TOL °C	137
			WTOL °C	4.0
			Psup (at Tdesign -10°C) kW	55
		Cold climate water outlet 55°C	Tbiv (bivalent temperature) °C	-10
			COPd	55
			Pdh kW	2.0
		Warm climate water outlet 55°C	Annual energy consumption kWh	197
			ηs (Seasonal space heating efficiency) %	5.3
			Prated at -22°C kW	79
		Average climate water outlet 35°C	Tbiv °C	-7
			Annual energy consumption kWh	1,616
			ηs (Seasonal space heating efficiency) %	152
		Average climate water outlet 35°C	Prated at 2°C kW	4.7
			Annual energy consumption kWh	2,729
			ηs (Seasonal space heating efficiency) %	179
Average climate water outlet 35°C	Prated at -10°C kW	6.0		
	Qhe Annual energy consumption (GCV) GJ	9.82		
	SCOP	4.54		
Average climate water outlet 35°C	Seasonal space heating eff. class	A+++		

2 Specifications

2


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)				10
		COPd				4.33
		Pdh	kW			3.3
	C Condition (7°CDB/6°CWB)	CdH (Degradation heating)				173
		COPd				10
		Pdh	kW			6.19
	D Condition (12°CDB/11°CWB)	CdH (Degradation heating)				3.2
		COPd				248
		Pdh	kW			10
	Tol (temperature operating limit)	COPd				7.78
		Pdh	kW			3.3
		PERd	%			311
	Tbiv (bivalent temperature)	COPd				2.56
		Pdh	kW			5.2
		PERd	%			102
	Rated heat output supplementary capacity	TOL		°C		-10
		WTOL		°C		35
		COPd				2.90
	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	Cooling	kPa	52.6 (1) / 56.7 (2)		51.1 (1) / 55.1 (2)	
	ESP unit	Heating	kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	17.1 (1) / 14.6 (2)		17.9 (1) / 15.6 (2)	
		Heating	Nom.	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 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		Inverter			
	Capacity control						
	Pck (Crankcase heater mode) kW		0.000				
	Poff (Off mode) kW		0.010				
	Psb (Standby mode) kW		0.010				
Integrated supplementary heater	Pto (Thermostat off) kW		0.010				
	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)		10	

2 Specifications

Technical specifications			EHBX08E6V + ERGA06EVH	EHBX08E6V + ERGA08EVH		
Space heating	Average climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	COPd	198	196	
			Pdh kW	5.9	6.9	
			PERd %	79	78	
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	10	
				COPd	3.16	3.20
				Pdh kW	3.9	4.4
				PERd %	126	128
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	10	
				COPd	4.49	4.64
				Pdh kW	3.0	3.3
				PERd %	180	186
			D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	10	
				COPd	6.10	6.22
				Pdh kW	3.3	4.1
				PERd %	244	249
			Tol (temperature operating limit)	COPd	153	164
				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	16	0.9
				Tbiv COPd	2.12	190
				(bivalent temperature) Pdh kW	6.1	7.5
				Tbiv %	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- B/1°CWB)	Cdh (Degradation heating)		10		
			COPd		4.25	4.35	
			Pdh	kW	3.9	4.2	
		C Condition (7°CDB- B/6°CWB)	Cdh (Degradation heating)		10		
			COPd		6.30	6.49	
			Pdh	kW	3.2	3.3	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		10		
			COPd		7.78	8.52	
			Pdh	kW	3.3	3.9	
		Tol (temperature operating limit)	PERd	%	311	341	
			COPd		2.49	2.41	
			Pdh	kW	6.0	6.9	
	PERd		%	100	96		
	TOL		°C		-10		
	Rated heat output supplementary capacity	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		10	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	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)
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

2

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)		10	

2 Specifications

Technical specifications			EHBX08E9W + ERGA06EVH	EHBX08E9W + ERGA08EVH			
Space heating	Average climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	COPd	198	196		
		Pdh	kW	5.9	6.9		
		PERd	%	79	78		
		B Condition (2°CDB/1°CWB)	CdH (Degradation heating)		10		
			COPd		3.16	3.20	
			Pdh	kW	3.9	4.4	
		C Condition (7°CDB/6°CWB)	CdH (Degradation heating)		10		
			COPd		4.49	4.64	
			Pdh	kW	3.0	3.3	
		D Condition (12°CDB/11°CWB)	CdH (Degradation heating)		10		
			COPd		6.10	6.22	
			Pdh	kW	3.3	4.1	
		Tol (temperature operating limit)	PERd	%	244	249	
			COPd		153	164	
			Pdh	kW	5.4	7.1	
			PERd	%	61	66	
		Rated heat output supplementary capacity	TOL	°C		-10	
			WTOL	°C		55	
		Cold climate water outlet 55°C	General	Psup (at Tdesign -10°C)	kW	16	0.9
				Tbiv (bivalent temperature)	COPd	2.12	190
				Pdh	kW	6.1	7.5
				PERd	%	85	76
		Warm climate water outlet 55°C	General	Tbiv	°C	-6	-8
				Annual energy consumption	kWh	5,278	6,864
				ηs (Seasonal space heating efficiency)	%	109	112
				Prated at -22°C	kW	6.0	8.0
		Average climate water outlet 35°C	General	Prated at 2°C	kW	5.6	6.8
Annual energy consumption	kWh			1,813	2,168		
ηs (Seasonal space heating efficiency)	%			162	165		
Prated at -10°C	kW			7.0	8.0		
Average climate water outlet 35°C	General	Qhe Annual energy consumption (GCV)	Gj	11.5	12.9		
		SCOP		4.52	4.61		
		Seasonal space heating eff. class			A+++		

2 Specifications




2

Technical specifications				EHBX08E9W + ERGA06EVH	EHBX08E9W + ERGA08EVH
Space heating climate water outlet 35°C	Average condition (-7°CDB/-8°CWB)	COPd		2.86	2.77
		Pdh	kW	6.0	7.0
		PERd	%	114	111
	B Condition (2°CDB- B/1°CWB)	CdH (Degradation heating)		10	
		COPd		4.25	4.35
		Pdh	kW	3.9	4.2
	C Condition (7°CDB- B/6°CWB)	CdH (Degradation heating)		10	
		COPd		6.30	6.49
		Pdh	kW	3.2	3.3
	D Condition (12°CDB/11°CWB)	CdH (Degradation heating)		10	
		COPd		7.78	8.52
		Pdh	kW	3.3	3.9
	Tol (temperature operating limit)	PERd	%	311	341
		COPd		2.49	2.41
		Pdh	kW	6.0	6.9
	Tbiv (bivalent temperature)	PERd	%	100	96
		TOL	°C		-10
		WTOL	°C		35
	Rated heat output supplementary capacity	COPd		3.07	2.66
		Pdh	kW	6.1	7.5
		PERd	%	123	106
	Cold climate water outlet 35°C	Tbiv	°C	-6	-8
		Psup (at Tdesign -10°C)	kW	10	11
		General	Annual energy consumption	kWh	3,727
Warm climate water outlet 35°C	ηs (Seasonal space heating efficiency)	%	156	154	
	Prated at -22°C	kW	6.0	8.0	
	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				EHS04P30E + ERGA04EV
Indoor unit				EHS04P30EF
Outdoor unit				ERGA04EAV3
Heating capacity	Nom.			4.30 (1) / 4.60 (2)
Power input	Heating	Nom.		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.	12.3 (1) / 13.2 (2)
General	Supplier/Manufacturer details	Name and address Name or trademark		
			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium 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	
LW(A) Sound power level (according to EN14825)	Indoor			39
	Outdoor			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			ESH04P30E + 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	Inte-grated supple-mentary 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		
		η _{wh} (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		
η _{wh} (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		
	η _{wh} (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			EHS04P30E + 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)		10	
			COPd		197	
			Pdh	kW	5.3	
			PERd	%	78.8	
		B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)		10	
			COPd		3.23	
			Pdh	kW	3.3	
		C Condition (7°CDB/6°CWB)	PERd	%	129.2	
			Cdh (Degradation heating)		10	
			COPd		4.40	
		D Condition (12°CDB/11°CWB)	Pdh	kW	3.0	
			PERd	%	176.0	
			Cdh (Degradation heating)		10	
		Tol (temperature operating limit)	COPd		6.10	
Pdh	kW		3.3			
PERd	%		244.0			
		COPd	137			

2 Specifications

Technical specifications				EHS04P30E + 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	COPd		197
		(bivalent temperature)	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	
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		10	
		COPd		4.33	
C Condition (7°CDB/6°CWB)	Pdh	kW	3.3		
	PERd	%	173.2		
D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		10		
	COPd		6.19		
	Pdh	kW	3.2		
	PERd	%	247.6		
	Cdh (Degradation heating)		10		
	COPd		7.78		
	Pdh	kW	3.3		

2 Specifications

Technical specifications				EHS04P30E + ERGA04EV	
Space heating	Average climate water outlet 35°C	D Condition (12°CDB/1°CWB)	PERd	%	3112
		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	5.5
				PERd	116
				Tbiv	-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				EHS08P30E + ERGA06EVH	EHS08P50E + ERGA06EVH	EHS08P30E + ERGA08EVH	EHS08P50E + ERGA08EVH
Indoor unit				EHS08P30EF		EHS08P50EF	
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 Name or trademark Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium Daikin Europe N.V.					
Product description	Product	Air-to-water heat pump					
	description	Brine-to-water heat pump					
		Heat pump combination heater					
		Low-temperature heat pump					
		Supplementary heater integrated					
	Water-to-water heat pump						
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 EN 12102 under conditions of the EN 14825			

2 Specifications

Technical specifications				EHS08P30E + ERGA06EVH	EHS08P50E + ERGA06EVH	EHS08P30E + ERGA08EVH	EHS08P50E + 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	2279	140.4	2279
		η _{wh} (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
COPdhw				2.41	2.75	2.41	2.75
Mixed water at 40°C	l			140.0	2279	140.0	2279
η _{wh} (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	2279	138.1	2279
	η _{wh} (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				EHS08P30E + ERGA06EVH	EHS08P50E + ERGA06EVH	EHS08P30E + ERGA08EVH	EHS08P50E + 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)		10		
				COPd		198		196
				Pdh	kW	5.9		6.9
				PERd	%	79.2		78.4
			B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)		10		
				COPd		3.16		3.20
				Pdh	kW	3.9		4.4
			B/6°CWB)	PERd	%	126.4		128.0
				C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		10	
			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)		10		
				COPd		6.10		6.22
Pdh	kW	3.3			4.1			
PERd	%	244.0			248.8			
Tol (temperature operating limit)		COPd		153		164		

2 Specifications

Technical specifications					EHS08P30E + ERGA06EVH	EHS08P50E + ERGA06EVH	EHS08P30E + ERGA08EVH	EHS08P50E + 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
	Cold climate water outlet 55°C	General	Tbiv	COPd		2.12			190
				Pdh	kW	6.1			7.5
			PERd	%	84.8				76.0
			Tbiv	°C	-6				-8
			Annual energy consumption	kWh	5,300				6,886
	Warm climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	109				112
			Prated at -22°C	kW	6.0				8.0
			Qhe Annual energy consumption (GCV)	Gj	19				25
			Annual energy consumption	kWh	1,858				2,213
			ηs (Seasonal space heating efficiency)	%	158				161
Average climate water outlet 35°C	General	Prated at 2°C	kW	5.6				6.8	
			Qhe Annual energy consumption (GCV)	Gj	7				8
	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	
B Condition (2°CDB/1°CWB)	PERd	%	114.4				110.8		
		Cdh (Degradation heating)				10			
		COPd		4.25				4.35	
C Condition (7°CDB/6°CWB)		Pdh	kW	3.9			4.2		
		PERd	%	170.0			174.0		
		Cdh (Degradation heating)				10			
D Condition (12°CDB/11°CWB)		COPd		6.30			6.49		
		Pdh	kW	3.2			3.3		
		PERd	%	252.0			259.6		
	Cdh (Degradation heating)				10				
	COPd		7.78				8.52		
	Pdh	kW	3.3				3.9		




2 Specifications

Technical specifications					EHSB08P30E + ERGA06EVH	EHSB08P50E + ERGA06EVH	EHSB08P30E + ERGA08EVH	EHSB08P50E + ERGA08EVH
Space heating	Average climate water outlet 35°C	D Condition (12°CDB/11°CWB)	PERd	%	3112		340.8	
		Tol (temperature operating limit)	COPd		2.49		2.41	
	35°C	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	
	Rated heat output supplementary capacity	PERd		%	122.8		106.4	
		Tbiv		°C	-6		-8	
	Cold climate water outlet 35°C	General	Psup (at Tdesign -10°C)	kW	10		11	
			Annual energy consumption	kWh	3,749		5,034	
	Warm climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	155		154	
			Prated at -22°C	kW	6.0		8.0	
Qhe Annual energy consumption (GCV)			Gj	13		18		
Annual energy consumption			kWh	1,276		1,437		
Warm climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	%	248		257		
		Prated at 2°C	kW	6.0		7.0		
		Qhe Annual energy consumption (GCV)	Gj		5			
		Annual energy consumption	kWh					

(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					EHSB04P30E + ERGA04EV			
Indoor unit					EHSB04P30EF			
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			
	Product description	Name or trademark			Daikin Europe N.V.			
		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			
	LW(A) Sound power level (according to EN14825)	Water-to-water heat pump			No			
		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 EN 12102 under conditions of the EN 14825			

2 Specifications

Technical specifications			EHSB04P30E + 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
		η _{wh} (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
COPdhw				2.41
Mixed water at 40°C	l			140.0
η _{wh} (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
	η _{wh} (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			EHSB04P30E + ERGA04EV			
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806	
			η_s (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)		10	
			COPd		197	
			Pdh	kW	5.3	
			PERd	%	78.8	
		B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)		10	
			COPd		3.23	
			Pdh	kW	3.3	
			PERd	%	129.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		10	
			COPd		4.40	
			Pdh	kW	3.0	
			PERd	%	176.0	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		10	
			COPd		6.10	
	Pdh	kW	3.3			
	PERd	%	244.0			
	Tol (temperature operating limit)	COPd	137			

2 Specifications

Technical specifications				EHSB04P30E + ERGA04EV	
Space heating 	Average climate water outlet 55°C	Tol (temperature operating limit)	Pdh PERd TOL WTOL	kW % °C °C	4.0 54.8 -10 55
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0
		Tbiv (bivalent temperature)	COPd Pdh PERd Tbiv	 kW % °C	197 5.3 78.8 -7
		General	Annual energy consumption ηs (Seasonal space heating efficiency)	kWh %	4,468 107
	Cold climate water outlet 55°C	General	Prated at -22°C	kW	5.0
			Qhe Annual energy consumption (GCV)	Gj	16
			Annual energy consumption ηs (Seasonal space heating efficiency)	kWh %	1,660 148
			Prated at 2°C	kW	4.7
	Warm climate water outlet 55°C	General	Qhe Annual energy consumption (GCV)	Gj	6
			Annual energy consumption ηs (Seasonal space heating efficiency)	kWh %	2,766 176
			Prated at -10°C	kW	6.0
			Qhe Annual energy consumption (GCV)	Gj	10
	Average climate water outlet 35°C	General	SCOP		4.48
			Seasonal space heating eff. class		A+++
A Condition (-7°CDB/-8°CWB)			COPd Pdh PERd	 kW %	2.90 5.5 1160
B Condition (2°CDB/-1°CWB)			Cdh (Degradation heating)		10
			COPd Pdh	 kW	4.33 3.3
C Condition (7°CDB/6°CWB)			PERd	%	173.2
			Cdh (Degradation heating)		10
D Condition (12°CDB/11°CWB)			COPd Pdh	 kW	6.19 3.2
			PERd	%	2476
			Cdh (Degradation heating)		10
			COPd Pdh	 kW	7.78 3.3

2 Specifications

2

Technical specifications				EHSHB04P30E + ERGA04EV	
Space heating	Average climate water outlet 35°C	D Condition (12°CDB/11°CWB)	PERd	%	3112
		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	5.5
				PERd	116
				Tbiv	-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
				EHSHB08P30EF	EHSHB08P50EF	EHSHB08P30EF	EHSHB08P50EF
Indoor unit				ERGA06EAV3H		ERGA08EAV3H	
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 EN 12102 under conditions of the EN 14825			

2 Specifications

Technical specifications				EHSB08P30E + ERGA06EVH	EHSB08P50E + ERGA06EVH	EHSB08P30E + ERGA08EVH	EHSB08P50E + 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	2279	140.4	2279
		η _{wh} (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
COPdhw				2.41	2.75	2.41	2.75
Mixed water at 40°C	l			140.0	2279	140.0	2279
η _{wh} (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	2279	138.1	2279
	η _{wh} (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				EHSB08P30E + ERGA06EVH	EHSB08P50E + ERGA06EVH	EHSB08P30E + ERGA08EVH	EHSB08P50E + ERGA08EVH
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	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)	10		
				COPd	198	196	
				Pdh	5.9	6.9	
				PERd	79.2	78.4	
			B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)	10		
				COPd	3.16	3.20	
				Pdh	3.9	4.4	
				PERd	126.4	128.0	
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	10		
				COPd	4.49	4.64	
				Pdh	3.0	3.3	
				PERd	179.6	185.6	
			D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	10		
				COPd	6.10	6.22	
	Pdh	3.3	4.1				
	PERd	244.0	248.8				
Tol (temperature operating limit)	COPd	153	164				

2 Specifications

Technical specifications					EHSB08P30E + ERGA06EVH	EHSB08P50E + ERGA06EVH	EHSB08P30E + ERGA08EVH	EHSB08P50E + 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			190
			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	
B Condition (2°CDB/1°CWB)	COPd			114.4			110.8	
		Cdh (Degradation heating)				10		
		Pdh	kW	4.25			4.35	
C Condition (7°CDB/6°CWB)	COPd			3.9			4.2	
		Pdh	kW	170.0			174.0	
		Cdh (Degradation heating)				10		
D Condition (12°CDB/11°CWB)	COPd			6.30			6.49	
		Pdh	kW	3.2			3.3	
		PERd	%	252.0			259.6	
	COPd			7.78			8.52	
		Pdh	kW	3.3			3.9	

2 Specifications

Technical specifications					EHSB08P30E + ERGA06EVH	EHSB08P50E + ERGA06EVH	EHSB08P30E + ERGA08EVH	EHSB08P50E + ERGA08EVH
Space heating	Average climate water outlet 35°C	D Condition (12°CDB/1°CWB)	PERd	%	311.2		340.8	
		Tol (temperature operating limit)	COPd		2.49		2.41	
	35°C	operating limit)	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	10		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			
	Other	Pck (Crankcase heater mode)	kW	0.000			
		Poff (Off mode)	kW	0.010			
		Psb (Standby mode)	kW	0.010			
Domestic hot water heating	General	Pto (Thermostat off)	kW	0.010			
		Declared load profile		L		XL	
Domestic hot water heating	General	Function to fix water heating during off peak hours		No			
Space heating general	Inte-grated supple-mentary 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		2279	
		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		2279	
		ηwh (water heating efficiency)	%	102		112	
		Qelec (Daily electricity consumption)	kWh	4.835		6.944	
	Warm climate	Reference hot water temperature	°C	44.4		44.6	
Stand-by power input		W	46.0		26.7		
AEC (Annual electricity consumption)		kWh	716		1,186		
COPdhw			3.38		3.45		
Mixed water at 40°C		l	138.1		2279		
	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	
			η_s (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)		10	
			COPd		197	
			Pdh	kW	5.3	
			PERd	%	78.8	
		B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)		10	
			COPd		3.23	
			Pdh	kW	3.3	
		C Condition (7°CDB/1°CWB)	PERd	%	129.2	
			Cdh (Degradation heating)		10	
			COPd		4.40	
		D Condition (12°CDB/1°CWB)	Pdh	kW	3.0	
			PERd	%	176.0	
			Cdh (Degradation heating)		10	

2 Specifications

Technical specifications				EHSX04P30E + ERGA04EV	EHSX04P50E + ERGA04EV	
Space heating	Average climate water outlet 55°C	D Condition (12°CDB/1°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	
		Rated heat output supplementary capacity	TOL	°C	-10	
			WTOL	°C	55	
		(bivalent temperature)	Psup (at Tdesign -10°C)	kW	2.0	
			Tbiv	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	%	1160		
B Condition (2°CDB/-1°CWB)		Cdh (Degradation heating)	10			
		COPd	4.33			
		Pdh	kW	3.3		
C Condition (7°CDB/16°CWB)	PERd	%	173.2			
	Cdh (Degradation heating)	10				
	COPd	6.19				
	Pdh	kW	3.2			

2 Specifications

2

Technical specifications				EHSX04P30E + ERGA04EV	EHSX04P50E + ERGA04EV
Space heating Average climate water outlet 35°C	C Condition (7°CDB/6°CWB) D Condition (12°CDB/11°CWB) Tol (temperature operating limit) Tbiv (bivalent temperature) Rated heat output supplementary capacity	PERd	%		2476
		Cdh (Degradation heating)			10
		COPd			7.78
		Pdh	kW		3.3
		PERd	%		311.2
		COPd			2.56
		Pdh	kW		5.2
		PERd	%		102.4
		TOL	°C		-10
		WTOL	°C		35
		COPd			2.90
		Pdh	kW		5.5
		PERd	%		1160
		Tbiv	°C		-7
		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 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	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	867	1,336	867	1,336
		COPdhw		2.80	3.06	2.80	3.06	2.80	3.06	2.80	3.06
		Heat up time		1h 34min	2h 41min	1h 34min	2h 41min	1h 34min	2h 41min	1h 34min	2h 41min
		Mixed water at 40°C	l	140.4	2279	140.4	2279	140.4	2279	140.4	2279
		η _{wh} (water heating efficiency)	%	118	125	118	125	118	125	118	125
Domestic hot water heating	Average climate	Qelec (Daily electricity consumption)	kWh	4.172	6.224	4.172	6.224	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	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	1,006	1,493	1,006	1,493
		COPdhw		2.41	2.75	2.41	2.75	2.41	2.75	2.41	2.75
		Mixed water at 40°C	l	140.0	2279	140.0	2279	140.0	2279	140.0	2279
		η _{wh} (water heating efficiency)	%	102	112	102	112	102	112	102	112
		Qelec (Daily electricity consumption)	kWh	4.835	6.944	4.835	6.944	4.835	6.944	4.835	6.944
		Reference hot water temperature	°C	44.4	44.6	44.4	44.6	44.4	44.6	44.4	44.6
Warm climate	Stand-by power input	W	46.0	26.7	46.0	26.7	46.0	26.7	46.0	26.7	
	AEC (Annual electricity consumption)	kWh	716	1,186	716	1,186	716	1,186	716	1,186	
	COPdhw		3.38	3.45	3.38	3.45	3.38	3.45	3.38	3.45	
	Mixed water at 40°C	l	138.1	2279	138.1	2279	138.1	2279	138.1	2279	
	η _{wh} (water heating efficiency)	%	143	141	143	141	143	141	143	141	
	Qelec (Daily electricity consumption)	kWh	3.447	5.531	3.447	5.531	3.447	5.531	3.447	5.531	
	Reference hot water temperature	°C	44.4	44.6	44.4	44.6	44.4	44.6	44.4	44.6	
	Stand-by power input	W	33.9	23.7	33.9	23.7	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	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)		10	
				COPd	198	196	
				Pdh	5.9	6.9	
				PERd	79.2	78.4	
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		10	
				COPd	3.16	3.20	
				Pdh	3.9	4.4	
				PERd	126.4	128.0	
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		10	
				COPd	4.49	4.64	
				Pdh	3.0	3.3	
				PERd	179.6	185.6	
			D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		10	

2 Specifications

Technical specifications				EHSX08P30E + ERGA06EVH	EHSX08P50E + ERGA06EVH	EHSX08P30E + ERGA08EVH	EHSX08P50E + ERGA08EVH	
Space heating 	Average climate water outlet 55°C	D Condition (12°CDB/1°CWB)	COPd	6.10			6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244.0		248.8	
	Tol (temperature operating limit)	55°C	Tol (temperature operating limit)	COPd	153			164
				Pdh	kW	5.4		7.1
				PERd	%	61.2		65.6
				TOL	°C		-10	
				WTOL	°C		55	
	Rated heat output supplementary capacity	55°C	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	16		10
				Tbiv	COPd	2.12		1.90
				Pdh	kW	6.1		7.5
				PERd	%	84.8		76.0
	Cold climate water outlet 55°C	55°C	General	Tbiv	°C	-6		-8
				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	55°C	General	Qhe Annual energy consumption (GCV)	Gj	19		25	
			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	35°C	General	Qhe Annual energy consumption (GCV)	Gj	7		8	
			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)	A Condition (-7°CDB/-8°CWB)	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)	B Condition (2°CDB/1°CWB)	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	10				
			COPd	4.25		4.35		
			Pdh	kW	3.9		4.2	
C Condition (7°CDB/6°CWB)	C Condition (7°CDB/6°CWB)	C Condition (7°CDB/6°CWB)	PERd	%	170.0		174.0	
			Cdh (Degradation heating)	10				
			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)		10			
		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		
	Tbiv (bivalent temperature)	WTOL	°C		35		
		COPd		3.07		2.66	
		Pdh	kW	6.1		7.5	
		PERd	%	122.8		106.4	
	Rated heat output supplementary capacity	Tbiv	°C	-6		-8	
		Psup (at Tdesign -10°C)	kW	10		11	
	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.			4.30 (1) / 4.60 (2)	
Cooling capacity	Nom.			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 EN1425)	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		2279	
		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		2279	
		ηwh (water heating efficiency)	%	102		112	
		Qelec (Daily electricity consumption)	kWh	4.835		6.944	
		Reference hot water temperature	°C	44.4		44.6	
Warm climate	Stand-by power input	W	46.0		26.7		
		AEC (Annual electricity consumption)	kWh	716		1,186	
	COPdhw		3.38		3.45		
	Mixed water at 40°C	l	138.1		2279		
	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)		10
				COPd		197
				Pdh	kW	5.3
				PERd	%	78.8
			B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)		10
				COPd		3.23
				Pdh	kW	3.3
			C Condition (7°CDB/1°CWB)	Cdh (Degradation heating)		10
				COPd		4.40
				Pdh	kW	3.0
			D Condition (12°CDB/1°CWB)	Cdh (Degradation heating)		176.0
				PERd	%	10

2 Specifications

Technical specifications			EHSXB04P30E + ERGA04EV	EHSXB04P50E + ERGA04EAV3		
Space heating	Average climate water outlet 55°C	D Condition (12°CDB/1°CWB)	COPd	6.10		
			Pdh	kW	3.3	
			PERd	%	244.0	
			Tol (temperature operating limit)	COPd	137	
				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	4,446	
			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	%	1160	
			Cdh (Degradation heating)		10	
B Condition (2°CDB/1°CWB)	COPd			4.33		
		Pdh	kW	3.3		
		PERd	%	173.2		
C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			10		
		COPd		6.19		
		Pdh	kW	3.2		

2 Specifications

2

Technical specifications				EHSXB04P30E + ERGA04EV	EHSXB04P50E + ERGA04EAV3	
Space heating	Average climate water outlet 35°C	C Condition (7°CDB/6°CWB)	PERd	%	2476	
			D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		10
				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
			Tbiv (bivalent temperature)	WTOL	°C	35
				COPd		2.90
				Pdh	kW	5.5
			Rated heat output supplementary capacity	PERd	%	1160
				Tbiv	°C	-7
				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		
	Product description	Name or trademark			Daikin Europe N.V.		
		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 EN1425)	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	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	867	1,336	867	1,336
		COPdhw		2.80	3.06	2.80	3.06	2.80	3.06	2.80	3.06
		Heat up time		1h 34min	2h 41min	1h 34min	2h 41min	1h 34min	2h 41min	1h 34min	2h 41min
		Mixed water at 40°C	l	140.4	2279	140.4	2279	140.4	2279	140.4	2279
		η _{wh} (water heating efficiency)	%	118	125	118	125	118	125	118	125
Domestic hot water heating	Average climate	Qelec (Daily electricity consumption)	kWh	4.172	6.224	4.172	6.224	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	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	1,006	1,493	1,006	1,493
		COPdhw		2.41	2.75	2.41	2.75	2.41	2.75	2.41	2.75
		Mixed water at 40°C	l	140.0	2279	140.0	2279	140.0	2279	140.0	2279
		η _{wh} (water heating efficiency)	%	102	112	102	112	102	112	102	112
		Qelec (Daily electricity consumption)	kWh	4.835	6.944	4.835	6.944	4.835	6.944	4.835	6.944
	Warm climate	Reference hot water temperature	°C	44.4	44.6	44.4	44.6	44.4	44.6	44.4	44.6
Stand-by power input		W	46.0	26.7	46.0	26.7	46.0	26.7	46.0	26.7	
AEC (Annual electricity consumption)		kWh	716	1,186	716	1,186	716	1,186	716	1,186	
COPdhw			3.38	3.45	3.38	3.45	3.38	3.45	3.38	3.45	
Mixed water at 40°C		l	138.1	2279	138.1	2279	138.1	2279	138.1	2279	
η _{wh} (water heating efficiency)		%	143	141	143	141	143	141	143	141	
Warm climate	Qelec (Daily electricity consumption)	kWh	3.447	5.531	3.447	5.531	3.447	5.531	3.447	5.531	
	Reference hot water temperature	°C	44.4	44.6	44.4	44.6	44.4	44.6	44.4	44.6	
	Stand-by power input	W	33.9	23.7	33.9	23.7	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	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)		10		
				COPd		198		196
				Pdh	kW	5.9		6.9
				PERd	%	79.2		78.4
			B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)		10		
				COPd		3.16		3.20
				Pdh	kW	3.9		4.4
			C Condition (7°CDB/6°CWB)	PERd	%	126.4		128.0
				Cdh (Degradation heating)		10		
			D Condition (12°CDB/11°CWB)	COPd		4.49		4.64
				Pdh	kW	3.0		3.3
				PERd	%	179.6		185.6

2 Specifications

Technical specifications				EHSXB08P30E + ERGA06EVH	EHSXB08P50E + ERGA06EVH	EHSXB08P30E + ERGA08EVH	EHSXB08P50E + ERGA08EVH		
Space heating 	Average climate water outlet 55°C	D Condition (12°CDB/1°CWB)	COPd	6.10		6.22			
			Pdh	kW	3.3		4.1		
			PERd	%	244.0		248.8		
	Tol (temperature operating limit)	55°C	Tol (temperature operating limit)	COPd	153		164		
				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)	55°C	General	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	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	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	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)	A Condition (-7°CDB/-8°CWB)	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)	B Condition (2°CDB/1°CWB)	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	10					
			COPd	4.25		4.35			
			Pdh	kW	3.9		4.2		
C Condition (7°CDB/6°CWB)	C Condition (7°CDB/6°CWB)	C Condition (7°CDB/6°CWB)	PERd	%	170.0		174.0		
			Cdh (Degradation heating)	10					
			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) D Condition (12°CDB/11°CWB) Tol (temperature operating limit) Tbiv (bivalent temperature) Rated heat output supplementary capacity	PERd	%	252.0		259.6		
		Cd _h (Degradation heating)		10				
		COP _d		7.78		8.52		
		P _d _h	kW	3.3		3.9		
		PER _d	%	311.2		340.8		
		COP _d		2.49		2.41		
		P _d _h	kW	6.0		6.9		
		PER _d	%	99.6		96.4		
		TOL	°C			-10		
		WTOL	°C			35		
		COP _d		3.07		2.66		
		P _d _h	kW	6.1		7.5		
		PER _d	%	122.8		106.4		
		T _{biv}	°C	-6		-8		
		P _{sup} (at T _{design} -10°C)	kW	10		11		
		Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727		5,012
				η _s (Seasonal space heating efficiency)	%	156		154
				Prated at -22°C	kW	6.0		8.0
Q _{he} Annual energy consumption (GCV)	Gj			13		18		
Warm climate water outlet 35°C	General			Annual energy consumption	kWh	1,232		1,393
		η _s (Seasonal space heating efficiency)	%	257		266		
		Prated at 2°C	kW	6.0		7.0		
		Q _{he} 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 EN14025)	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	
		η _{wh} (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	
		η _{wh} (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	η _{wh} (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		
			η_s (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)		10		
			COPd		197		
			Pdh	kW	5.3		
			PERd	%	79		
		B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)		10		
			COPd		3.23		
			Pdh	kW	3.3		
			PERd	%	129		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		10		
			COPd		4.40		
			Pdh	kW	3.0		
			PERd	%	176		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		10		
			COPd		6.10		
			Pdh	kW	3.3		
			PERd	%	244		
		Tol (temperature operating limit)	COPd		137		
			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		197				
	Pdh	kW	5.3				
	PERd	%	79				
	Tbiv	°C	-7				
Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468			
		η_s (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	
			η_s (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
				η_s (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		
	B Condition (2°CDB/-B/1°CWB)	PERd	%	116		
		Cdh (Degradation heating)		10		
		COPd		4.33		
		Pdh	kW	3.3		
	C Condition (7°CDB/-B/6°CWB)	PERd	%	173		
		Cdh (Degradation heating)		10		
		COPd		6.19		
	D Condition (12°CDB/11°CWB)	Pdh	kW	3.2		
		PERd	%	248		
Cdh (Degradation heating)			10			
Tol (temperature operating limit)	COPd		7.78			
	Pdh	kW	3.3			
	PERd	%	311			
	TOL	°C	2.56			
	WTOL	°C	5.2			
Tbiv (bivalent temperature)	TOL	°C	102			
	WTOL	°C	-10			
	COPd		35			
	Pdh	kW	2.90			
	PERd	%	5.5			
Rated heat output supplementary capacity	Tbiv	°C	116			
	Tbiv	°C	-7			
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,230		
		η_s (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
				η_s (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	124 (1) / 169 (2)		163 (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)		215 (1) / 22.4 (2)		
General	Supplier/Manu- facturer 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	Inte- grated supple- mentary 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	
		η _{wh} (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	
		η _{wh} (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	η _{wh} (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)			10		
			COPd		198			196
			Pdh	kW	5.9			6.9
			PERd	%	79			78
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			10		
			COPd		3.16			3.20
			Pdh	kW	3.9			4.4
			PERd	%	126			128
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			10		
			COPd		4.49			4.64
			Pdh	kW	3.0			3.3
			PERd	%	180			186
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			10		
			COPd		6.10			6.22
			Pdh	kW	3.3			4.1
			PERd	%	244			249
		Tol (temperature operating limit)	COPd		153			164
			Pdh	kW	5.4			7.1
			PERd	%	61			66
			TOL	°C			-10	
		Rated heat output supplementary capacity	WTOL	°C			55	
Psup (at Tdesign -10°C)	kW			16		0.9		
Tbiv (bivalent temperature)	COPd			2.12		190		
	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	
			η_s (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
				η_s (Seasonal space heating efficiency)	%	176		179
				Prated at -10°C	kW	7.0		8.0
			Qhe Annual energy consumption (GCV)	Gj	116		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)		10				
		COPd		4.25		4.35		
		Pdh	kW	3.9		4.2		
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		10				
		COPd		6.30		6.49		
		Pdh	kW	3.2		3.3		
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		10				
		COPd		7.78		8.52		
Pdh		kW	3.3		3.9			
Tol (temperature operating limit)	PERd	%	311		341			
	COPd		2.49		2.41			
	Pdh	kW	6.0		6.9			
Tbiv (bivalent temperature)	PERd	%	100		96			
	TOL	°C	-10					
	WTOL	°C	35					
Rated heat output supplementary capacity	COPd		3.07		2.66			
	Pdh	kW	6.1		7.5			
	PERd	%	123		106			
Cold climate water outlet 35°C	Tbiv	°C	-6		-8			
	Psup (at Tdesign -10°C)	kW	10		11			
	Annual energy consumption	kWh	3,749		5,034			
Space heating	Warm climate water outlet 35°C	General	η_s (Seasonal space heating efficiency)	%	155		154	
			Prated at -22°C	kW	6.0		8.0	
			Annual energy consumption	kWh	1,276		1,437	
Space heating	Warm climate water outlet 35°C	General	η_s (Seasonal space heating efficiency)	%	248		257	
			Prated at 2°C	kW	6.0		7.0	
			Annual energy consumption	kWh	1,276		1,437	

(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	124 (1) / 169 (2)		163 (1) / 2.23 (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	

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		52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)		
		kPa						
Water side Heat exchanger	Water flow rate	Heating Nom.		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)		
		l/min						
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			
LW(A) Sound power level (according to EN14825)	Water-to-water heat pump				No			
	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		
		m ³ /h				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
		η _{wh} (water heating efficiency)		%	125	133	125	133
		Q _{elec} (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
		η _{wh} (water heating efficiency)		%	107	114	107	114
		Q _{elec} (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	η _{wh} (water heating efficiency)		%	151	161	151	161
		Q _{elec} (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		179		
		SCOP		3.26		3.32		
		Seasonal space heating eff. class				A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		10			
			COPd		198		196	
			Pdh	kW	5.9		6.9	
			PERd	%	79		78	
		B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)		10			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		10			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		10			
			COPd		6.10		6.22	
			Pdh	kW	3.3		4.1	
			PERd	%	244		249	
		Tol (temperature operating limit)		COPd		153		164
	Pdh		kW	5.4		7.1		
	PERd		%	61		66		
	TOL		°C			-10		
Rated heat output supplementary capacity		WTOL	°C			55		
		Psup (at Tdesign -10°C)	kW	16		0.9		
	(bivalent temperature)		Tbiv	°C				
			COPd		2.12		190	
			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	
			η_s (Seasonal space heating efficiency)	%	158		161	
			Prated at 2°C	kW	5.6		6.8	
			Annual energy consumption	kWh	3,233		3,625	
			η_s (Seasonal space heating efficiency)	%	176		179	
			Prated at -10°C	kW	7.0		8.0	
	Average climate water outlet 35°C	General	Qhe Annual energy consumption (GCV)	Gj	116		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)		10		
				COPd		4.25		4.35
				Pdh	kW	3.9		4.2
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		10		
				COPd		6.30		6.49
				Pdh	kW	3.2		3.3
			D Condition (12°CDB/1°CWB)	Cdh (Degradation heating)		10		
				COPd		7.78		8.52
Pdh	kW	3.3			3.9			
Tol (temperature operating limit)	PERd	%	311		341			
			2.49		2.41			
			6.0		6.9			
Tbiv (bivalent temperature)	PERd	%	100		96			
			TOL	°C	-10			
			WTOL	°C	35			
Rated heat output supplementary capacity	PERd	%	3.07		2.66			
			Pdh	kW	6.1		7.5	
			123		106			
Cold climate water outlet 35°C	General	Tbiv	°C	-6		-8		
		Psup (at Tdesign -10°C)	kW	10		11		
		Annual energy consumption	kWh	3,749		5,034		
Space heating 	Warm climate water outlet 35°C	General	η_s (Seasonal space heating efficiency)	%	155		154	
			Prated at -22°C	kW	6.0		8.0	
			Annual energy consumption	kWh	1,276		1,437	
Space heating 	Warm climate water outlet 35°C	General	η_s (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 Name or trademark		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium 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		
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42	
		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)			10	
			COPd			197	
			Pdh	kW		5.3	
			PERd	%		79	
		B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)			10	
			COPd			3.23	
			Pdh	kW		3.3	
			PERd	%		129	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			10	
			COPd			4.40	
			Pdh	kW		3.0	
			PERd	%		176	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			10	
			COPd			6.10	
			Pdh	kW		3.3	
			PERd	%		244	
		Tol (temperature operating limit)	COPd			137	
			Pdh	kW		4.0	
			PERd	%		55	
			TOL	°C		-10	
		Rated heat output supplementary capacity	WTOL	°C		55	
Psup (at Tdesign -10°C)	kW			2.0			
Tbiv (bivalent temperature)	COPd			197			
	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)			10
	COPd				4.33		
	Pdh	kW			3.3		
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			173		
		COPd			10		
		Pdh	kW		6.19		
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			3.2		
		COPd			248		
		Pdh	kW		10		
	Tol (temperature operating limit)		COPd			7.78	
			Pdh	kW		3.3	
			PERd	%		311	
			COPd			2.56	
Pdh			kW		5.2		
Tbiv (bivalent temperature)		PERd	%		102		
		TOL	°C		-10		
		WTOL	°C		35		
		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 Cold climate water outlet 35°C Warm climate water outlet 35°C	Tbiv	Tbiv	°C		-7
	(bivalent temperature)				
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW		0.8
	General	Annual energy consumption	kWh		3,208
		ηs (Seasonal space heating efficiency)	%		151
	Prated at -22°C		kW		5.0
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)	m³/h	2,280.0		
	Other	Capacity control			Inverter	
		Pck (Crankcase heater mode)	kW		0.000	
		Poff (Off mode)	kW		0.010	
		Psb (Standby mode)	kW		0.010	
		Pto (Thermostat off)	kW		0.010	
Domestic hot water heating	General	Declared load profile		L	XL	
		Function to fix water heating during off peak hours		No		

2 Specifications

2

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	
		η_{wh} (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	
		η_{wh} (water heating efficiency)	%	107	114	
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046	
		η_{wh} (water heating efficiency)	%	151	161	
		Qelec (Daily electricity consumption)	kWh	3.220	4.880	
Space heating water outlet 55°C	Average climate	General	Annual energy consumption	kWh	3,769	
			η_s (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)		10	
			COPd		197	
			Pdh	kW	5.3	
			PERd	%	79	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		10	
			COPd		3.23	
			Pdh	kW	3.3	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		10	
			COPd		4.40	
			Pdh	kW	3.0	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		176	
			COPd		10	
			Pdh	kW	6.10	
		Tol (temperature operating limit)	PERd	%	3.3	
			COPd		244	
			Pdh	kW	137	
			PERd	%	4.0	
TOL	°C		55			
Rated heat output supplementary capacity	WTOL	°C	-10			
	Psup (at Tdesign -10°C)	kW	55			
			2.0			
	Tbiv (bivalent temperature)	COPd		197		
		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)			10
	COPd				4.33		
	Pdh	kW			3.3		
	C Condition (7°CDB/6°CWB)	PERd	%		173		
		Cdh (Degradation heating)			10		
		COPd			6.19		
	D Condition (12°CDB/11°CWB)	Pdh	kW		3.2		
		PERd	%		248		
		Cdh (Degradation heating)			10		
	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

2

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	l/min	17.1 (1) / 14.6 (2)		17.9 (1) / 15.6 (2)	
		Heating	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			
LW(A) Sound power level (according to EN14825)	Indoor			42			
		Outdoor		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)	m³/h	2,520.0		2,770.0	
	Other	Capacity control		Inverter			
		Pck (Crankcase heater mode)		0.000			
		Poff (Off mode)		0.010			
		Psb (Standby mode)		0.010			
		Pto (Thermostat off)		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)		10			
			COPd		198		196	
			Pdh	kW	5.9		6.9	
			PERd	%	79		78	
		B Condition (2°CDB/-B/1°CWB)	Cdh (Degradation heating)		10			
			COPd		3.16		3.20	
			Pdh	kW	3.9		4.4	
			PERd	%	126		128	
		C Condition (7°CDB/-B/6°CWB)	Cdh (Degradation heating)		10			
			COPd		4.49		4.64	
			Pdh	kW	3.0		3.3	
			PERd	%	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		10			
			COPd		6.10		6.22	
	Pdh	kW	3.3		4.1			
	PERd	%	244		249			
Tol (temperature operating limit)	COPd		153		164			
	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	16		0.9			
Tbiv (bivalent temperature)	COPd		2.12		190			
	Pdh	kW	6.1		75			

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
B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		Pdh	kW	6.0		7.0	
			PERd	%	114		111	
						10		
C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170		174	
D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
			PERd	%	252		260	
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	10		11	
	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	124 (1) / 169 (2)		163 (1) / 2.23 (2)		
	Cooling	Nom.		kW	106 (1) / 155 (2)		116 (1) / 173 (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)		m³/h	2,520.0		2,770.0		
		Other	Capacity control			Inverter			
		Pck (Crankcase heater mode)			0.000				
		Poff (Off mode)			0.010				
		Psb (Standby mode)			0.010				
		Pto (Thermostat off)			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	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	
		η _{wh} (water heating effi- ciency)	%	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
		η _{wh} (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	
		η _{wh} (water heating effi- ciency)	%	151	161	151	161	
		Qelec (Daily electricity consumption)	kWh	3.220	4.880	3.220	4.880	
Space heating water outlet 55°C	Average climate	General	Annual energy consumption	kWh	4,405		4,939	
			η _s (Seasonal space heating efficiency)	%	128		131	
		Prated at -10°C	kW	7.0		8.0		
		Q _{he} Annual ener- gy consumption (GCV)	Gj	15.9		17.8		
		SCOP		3.28		3.35		
		Seasonal space heating eff. class		A++				
		A Condition (-7°CDB/-8°CWB)	Cd _h (Degradation heating)		10			
			COP _d		198		196	
			Pd _h	kW	5.9		6.9	
			PER _d	%	79		78	
		B Con- dition (2°CDB- B/1°CWB)	Cd _h (Degradation heating)		10			
			COP _d		3.16		3.20	
			Pd _h	kW	3.9		4.4	
		C Con- dition (7°CDB- B/6°CWB)	Cd _h (Degradation heating)		10			
			COP _d		4.49		4.64	
			Pd _h	kW	3.0		3.3	
		D Condition (12°CDB/11°CWB)	Cd _h (Degradation heating)		10			
			COP _d		6.10		6.22	
			Pd _h	kW	3.3		4.1	
		Tol (tem- perature operat- ing limit)	COP _d		244		249	
COP _d			153		164			
Pd _h	kW		5.4		7.1			
PER _d	%		61		66			
	TOL		-10					
	WTOL		55					
Rated heat output supple- mentary capacity	P _{sup} (at T _{design} -10°C)		16		0.9			
	T _{biv} (bivalent temperature)	COP _d		2.12		190		
Pd _h		6.1		75				

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
	B Condition (2°CDB/1°CWB)	Cd (Degradation heating)	Pdh	kW	6.0		7.0	
			PERd	%	114		111	
			COPd		4.25	10	4.35	
	C Condition (7°CDB/6°CWB)	Cd (Degradation heating)	Pdh	kW	3.9		4.2	
			PERd	%	170		174	
			COPd		6.30	10	6.49	
	D Condition (12°CDB/11°CWB)	Cd (Degradation heating)	Pdh	kW	3.2		3.3	
			PERd	%	252		260	
			COPd		7.78	10	8.52	
Tol (temperature operating limit)	Tol (temperature operating limit)	Pdh	kW	3.3		3.9		
		PERd	%	311		341		
		COPd		2.49		2.41		
		Pdh	kW	6.0		6.9		
Tbiv (bivalent temperature)	Tbiv (bivalent temperature)	PERd	%	100		96		
		TOL	°C		-10			
Tbiv (bivalent temperature)	Tbiv (bivalent temperature)	WTOL	°C		35			
		COPd		3.07		2.66		
		Pdh	kW	6.1		7.5		
Tbiv (bivalent temperature)	Tbiv (bivalent temperature)	PERd	%	123		106		

2 Specifications

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Technical specifications					EHVX08S18E9W + ERGA06EVH	EHVX08S23E9W + ERGA06EVH	EHVX08S18E9W + ERGA08EVH	EHVX08S23E9W + ERGA08EVH
Space heating	Average climate water outlet 35°C	Tbiv	Tbiv	°C		-6		-8
		(bivalent temperature)						
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW		10		11
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	Nom.	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			
	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)		m³/h	2,280.0			
		Other	Capacity control			Inverter		
	Pck (Crankcase heater mode)		kW	0.000				
	Poff (Off mode)		kW	0.010				
	Psb (Standby mode)		kW	0.010				
	Pto (Thermostat off)		kW	0.010				
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		
		η_{wh} (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	
η_{wh} (water heating efficiency)	%		107			
Qelec (Daily electricity consumption)	kWh		4.480			
Warm climate	AEC (Annual electricity consumption)	kWh	680			
	η_{wh} (water heating efficiency)	%	151			
Domestic hot water heating	Warm climate	Qelec (Daily electricity consumption)	kWh	3.220		
		Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh
η_s (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)					10
	COPd					197
	Pdh				kW	5.3
B Condition (2°CDB/1°CWB)	PERd				%	79
	Cdh (Degradation heating)		10			
	COPd		3.23			
C Condition (7°CDB/6°CWB)	Pdh	kW	3.3			
	PERd	%	129			
	Cdh (Degradation heating)		10			
D Condition (12°CDB/11°CWB)	COPd		4.40			
	Pdh	kW	3.0			
	PERd	%	176			
Tol (temperature operating limit)	Cdh (Degradation heating)		10			
	COPd		6.10			
	Pdh	kW	3.3			
	PERd	%	244			
	TOL	°C	-10			
Rated heat output supplementary capacity	WTOL	°C	55			
	Psup (at Tdesign -10°C)	kW	2.0			
	Tbiv (bivalent temperature)	COPd		197		
	Pdh	kW	5.3			
	PERd	%	79			
Cold climate water outlet 55°C	Tbiv	°C	-7			
	General	Annual energy consumption	kWh	4,468		
		η_s (Seasonal space heating efficiency)	%	107		
		Prated at -22°C	kW	5.0		

2 Specifications

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Technical specifications				EHVZ04S18E6V + ERGA04EV		
Space heating	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	
			η_s (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
				η_s (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		
	B Condition (2°CDB/-B/1°CWB)	PERd	%	116		
		Cdh (Degradation heating)		10		
		COPd		4.33		
		Pdh	kW	3.3		
	C Condition (7°CDB/-B/6°CWB)	PERd	%	173		
		Cdh (Degradation heating)		10		
		COPd		6.19		
	D Condition (12°CDB/11°CWB)	Pdh	kW	3.2		
		PERd	%	248		
Cdh (Degradation heating)			10			
Tol (temperature operating limit)	COPd		7.78			
		Pdh	kW	3.3		
	PERd	%	311			
	TOL	°C	2.56			
	WTOL	°C	5.2			
	Tbiv (bivalent temperature)	Tbiv	°C	102		
Rated heat output supplementary capacity	TOL	°C	-10			
	WTOL	°C	35			
Cold climate water outlet 35°C	General	COPd		2.90		
		Pdh	kW	5.5		
		PERd	%	116		
	Tbiv (bivalent temperature)	Tbiv	°C	-7		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	
	Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	3,230
				η_s (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
				η_s (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	124 (1) / 169 (2)		163 (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)		215 (1) / 22.4 (2)		
General	Supplier/Manu-facturer 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				
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)		42			
	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		
		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		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		179			
		SCOP		3.26		3.32			
		Seasonal space heating eff. class				A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		10				
			COPd		198		196		
			Pdh	kW	5.9		6.9		
			PERd	%	79		78		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		10				
			COPd		3.16		3.20		
			Pdh	kW	3.9		4.4		
			PERd	%	126		128		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		10				
			COPd		4.49		4.64		
			Pdh	kW	3.0		3.3		
			PERd	%	180		186		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		10				
			COPd		6.10		6.22		
			Pdh	kW	3.3		4.1		
			PERd	%	244		249		
		Tol (temperature operating limit)		COPd		153		164	
				Pdh	kW	5.4		7.1	
	PERd		%	61		66			
	TOL		°C			-10			
Rated heat output supplementary capacity		WTOL	°C			55			
		Psup (at Tdesign -10°C)	kW	16		0.9			
	(bivalent temperature)		Tbiv	°C					
			COPd		2.12		190		
			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	
			η_s (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
				η_s (Seasonal space heating efficiency)	%	176		179
				Prated at -10°C	kW	7.0		8.0
	Qhe Annual energy consumption (GCV)		Gj	116		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)	COPd	Cdh (Degradation heating)			10		
					4.25		4.35	
			Pdh	kW	3.9		4.2	
	C Condition (7°CDB/6°CWB)	COPd	Cdh (Degradation heating)			10		
					6.30		6.49	
			Pdh	kW	3.2		3.3	
	D Condition (12°CDB/11°CWB)	COPd	Cdh (Degradation heating)			10		
					7.78		8.52	
			Pdh	kW	3.3		3.9	
	Tol (temperature operating limit)	COPd			2.49		2.41	
			Pdh	kW	6.0		6.9	
			PERd	%	100		96	
Tbiv (bivalent temperature)	COPd	TOL	°C		-10			
		WTOL	°C		35			
				3.07		2.66		
Rated heat output supplementary capacity	Pdh		kW	6.1		7.5		
		PERd	%	123		106		
		Tbiv	°C	-6		-8		
Cold climate water outlet 35°C	General	Psup (at Tdesign -10°C)	kW	10		11		
		Annual energy consumption	kWh	3,749		5,034		
		η_s (Seasonal space heating efficiency)	%	155		154		
Space heating 	Warm climate water outlet 35°C	General	Prated at -22°C	kW	6.0		8.0	
			Annual energy consumption	kWh	1,276		1,437	
			η_s (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	124 (1) / 169 (2)		163 (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)							
		Heating Nom.			l/min		17.2 (1) / 16.9 (2)							
Water side Heat exchanger					17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)							
General					Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium									
Supplier/Manu- facturer details					Name and address 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					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
					η _{wh} (water heating efficiency)		%		125	133	125	133		
					Q _{elec} (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		
					η _{wh} (water heating efficiency)		%		107	114	107	114		
					Q _{elec} (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		η _{wh} (water heating efficiency)		%		151	161	151	161
					Q _{elec} (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)			10			
			COPd		198		196		
			Pdh	kW	5.9		6.9		
			PERd	%	79		78		
		B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)			10			
			COPd		3.16		3.20		
			Pdh	kW	3.9		4.4		
			PERd	%	126		128		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			10			
			COPd		4.49		4.64		
			Pdh	kW	3.0		3.3		
			PERd	%	180		186		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			10			
			COPd		6.10		6.22		
			Pdh	kW	3.3		4.1		
			PERd	%	244		249		
		Temperature operating limit		COPd		153		164	
				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	16		0.9			
	Tbiv (bivalent temperature)		COPd		2.12		190		
			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

2

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	
			η_s (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
				η_s (Seasonal space heating efficiency)	%	176		179
				Prated at -10°C	kW	7.0		8.0
			Qhe Annual energy consumption (GCV)	Gj	116		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)			10			
		COPd		4.25		4.35		
		Pdh	kW	3.9		4.2		
	C Condition (7°CDB/6°CWB)	CdH (Degradation heating)			10			
		COPd		6.30		6.49		
		Pdh	kW	3.2		3.3		
	D Condition (12°CDB/11°CWB)	CdH (Degradation heating)			10			
		COPd		7.78		8.52		
Pdh		kW	3.3		3.9			
Tol (temperature operating limit)	COPd		2.49		2.41			
	Pdh	kW	6.0		6.9			
	PERd	%	100		96			
Tbiv (bivalent temperature)	TOL	°C			-10			
	WTOL	°C			35			
	COPd		3.07		2.66			
Rated heat output supplementary capacity	Pdh	kW	6.1		7.5			
	PERd	%	123		106			
	Tbiv	°C	-6		-8			
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,034		
		η_s (Seasonal space heating efficiency)	%	155		154		
		Prated at -22°C	kW	6.0		8.0		
	Space heating	Warm climate water outlet 35°C	Annual energy consumption	kWh	1,276		1,437	
			η_s (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		15	
Heat exchanger	Length	mm		920	
	Rows	Quantity		2	
	Fin pitch	mm		1.40	
	Passes	Quantity		32	
	Face area	m ²		0.658	
	Tube type			ø7Hi-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			2YC71BXD#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.	dB(A)	58 (1)	
	Cooling	Nom.	dB(A)	61 (1)	
Sound pressure level	Heating	Nom.	dB(A)	44 (1)	
	Cooling	Nom.	dB(A)	48 (1)	
Refrigerant	Type			R-32	
	GWP			675.0	
	Charge		TCO ₂ Eq	101	
	Charge		kg	1.50	
	Control			Expansion valve	
	Circuits	Quantity			1
	Refrigerant oil	Type			FW68DA
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	
	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

2

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 199		
	Recommended fuses		A 20		
Wiring connections	For power supply	Quantity	3		
		Remark	4mm ²		
	For connection with indoor	Quantity	4		
		Remark	1,5mm ²		
IP class	IP		IPX4		

(I)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	15			
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	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*I	110.4			
Sound power level	Heating	Nom.	dB(A)	60 (1)		62 (1)	
	Cooling	Nom.	dB(A)		62 (1)		
Sound pressure level	Heating	Nom.	dB(A)	47 (1)		49 (1)	
	Cooling	Nom.	dB(A)	49 (1)		50 (1)	
Refrigerant	Type		R-32				
	GWP		675.0				
	Charge		TCO2Eq	101			
	Charge		kg	150			
	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		199	24.0
		Recommended fuses	A		20	25
Wiring connections	For power supply	Quantity			3	
		Remark			4mm ²	
	For connection with indoor	Quantity			4	
		Remark			1.5mm ²	
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

3
**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

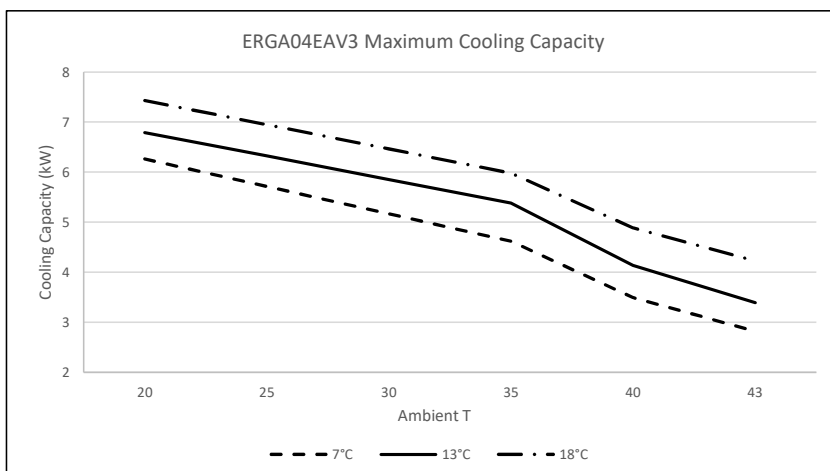
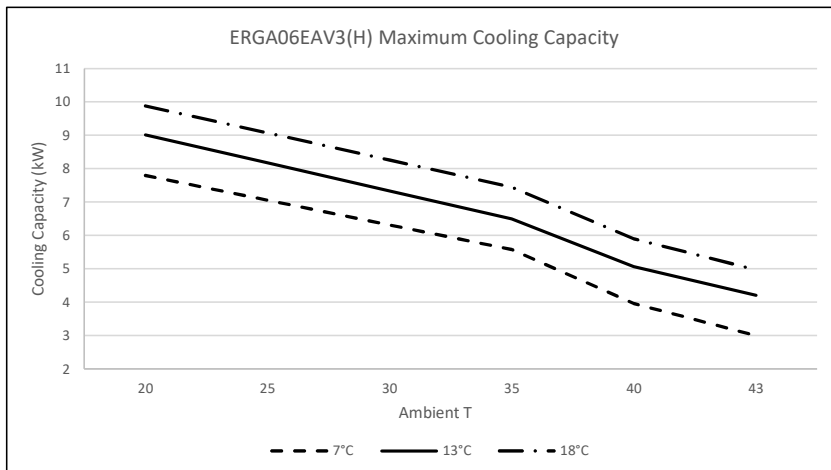
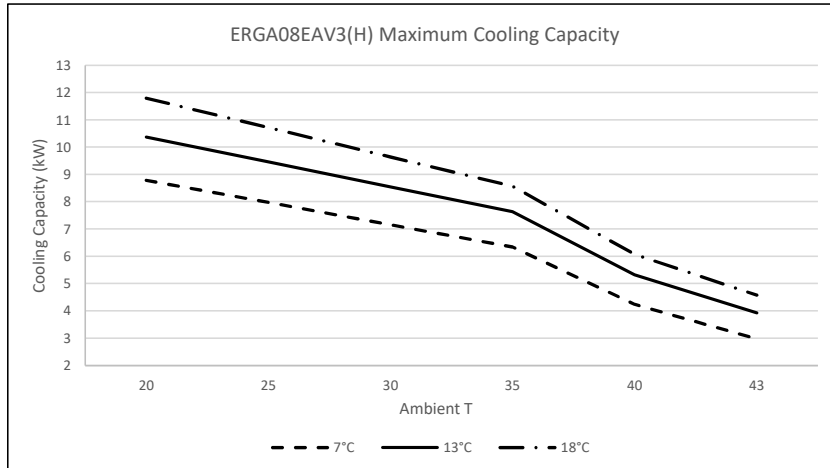
When installing ·EKHDP008D· units in heavy snowfall areas, also install option kit ·EKDPH008CA·.

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4 Capacity graphs

4 - 1 Cooling Capacity Graphs

ERGA-EV
ERGA06-08EVH

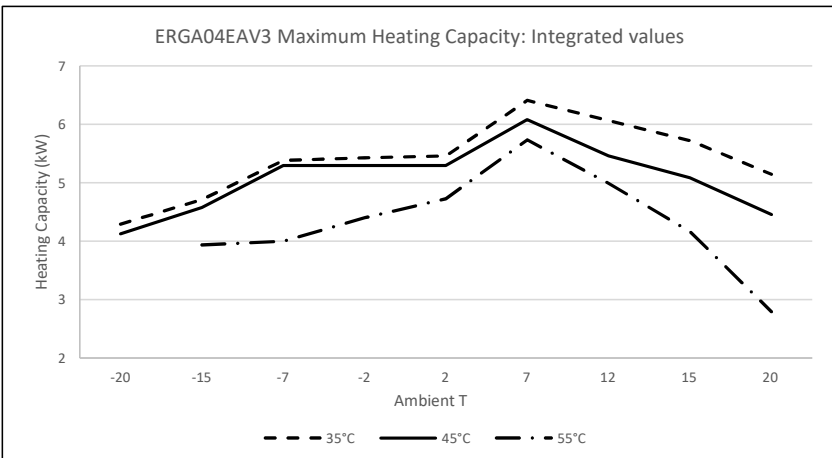
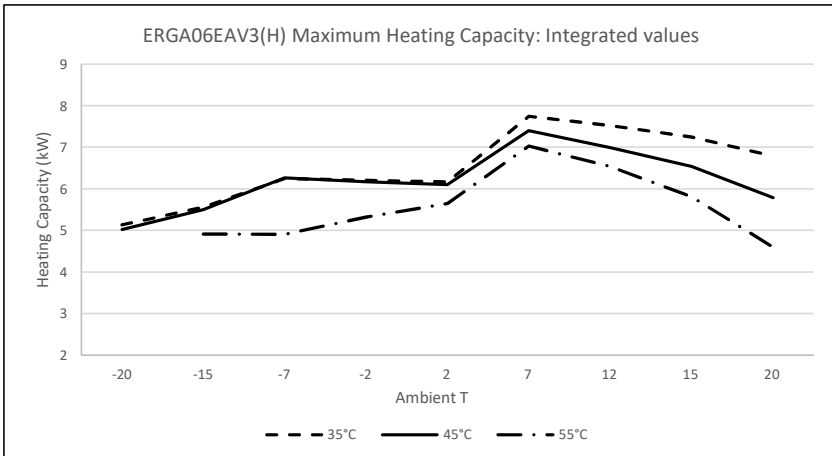
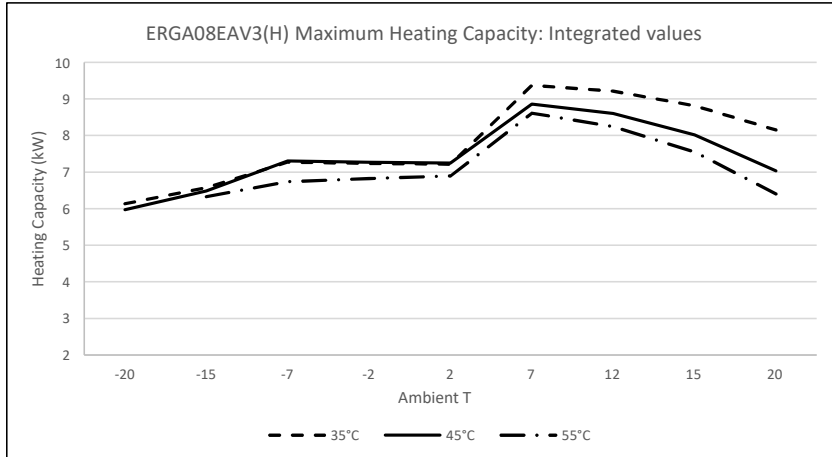


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4 Capacity graphs

4 - 2 Heating Capacity Graphs

ERGA-EV
ERGA06-08EVH

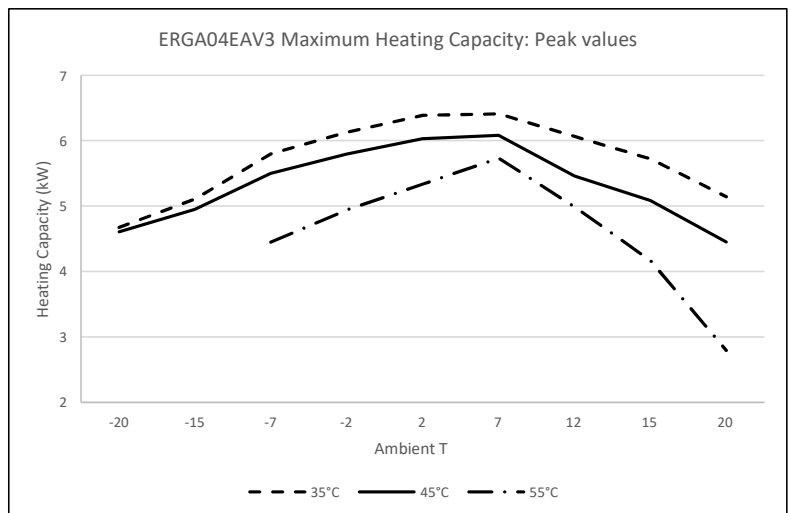
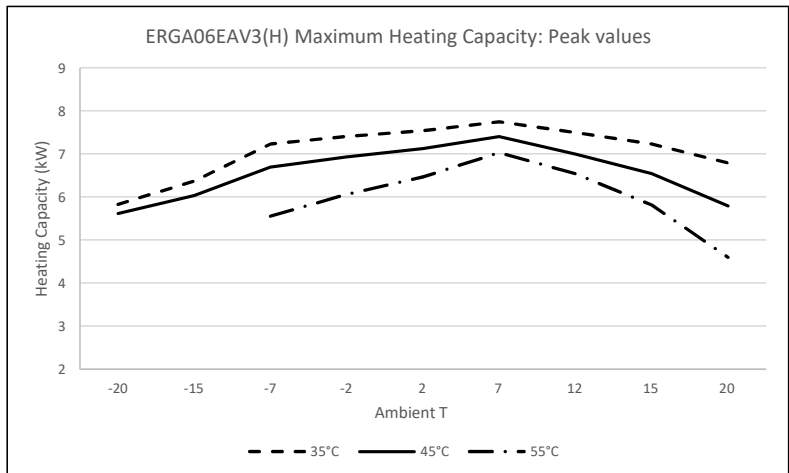
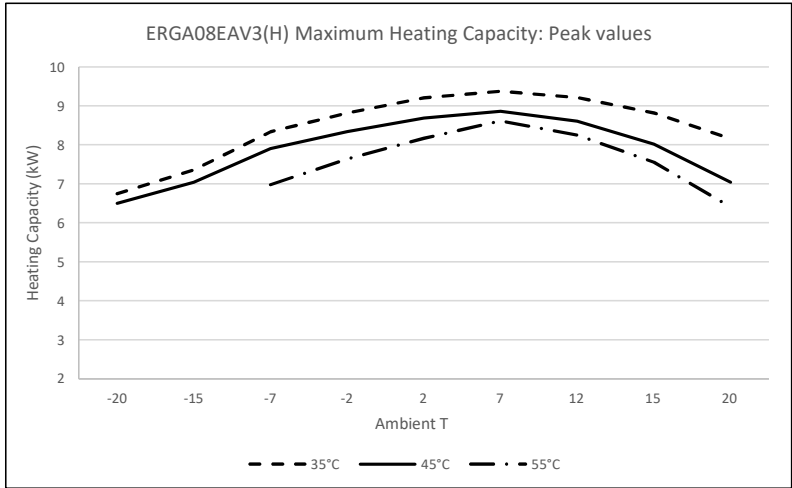


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4 Capacity graphs

4 - 2 Heating Capacity Graphs

ERGA-EV
ERGA06-08EVH



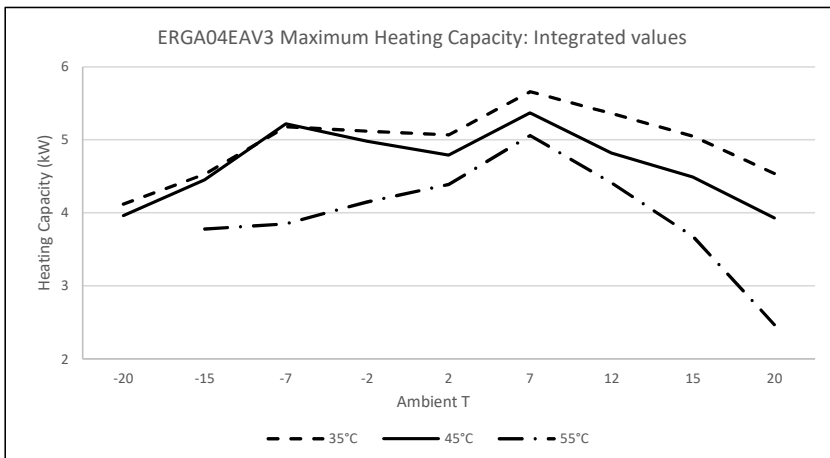
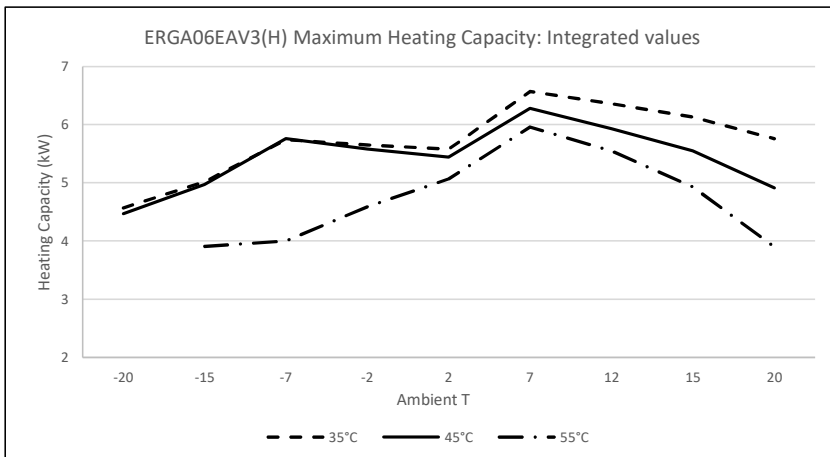
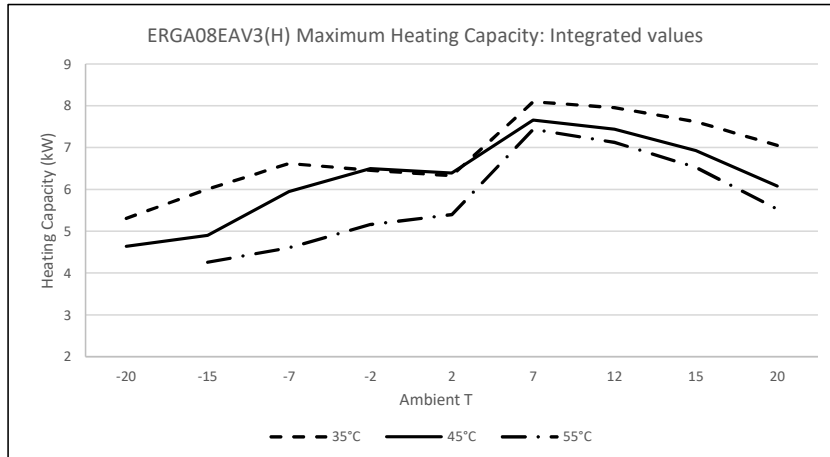
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4 Capacity graphs

4 - 3 Heating Capacity Graphs - more quiet mode

ERGA-EV
ERGA06-08EVH

4



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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		ERGA06EAV3(H)		ERGA08EAV3(H)	
			HC [kW]	COP	HC [kW]	COP	HC [kW]	COP
10/8	30	35	5,17	5,42	6,17	5,12	7,72	4,72
7/6	30	35	4,30	5,10	6,00	4,85	7,50	4,60
2/1	30	35	3,50	4,10	4,80	3,75	5,60	3,65
-7/-8	30	35	4,50	3,10	5,50	2,90	6,00	2,70
7/6	40	45	4,60	3,65	5,90	3,50	7,80	3,50
2/1	40	45	4,20	2,80	5,00	2,80	6,00	2,75
-7/-8	40	45	4,35	2,40	5,00	2,35	6,10	2,21
7/6	47	55	4,90	2,65	5,80	2,70	7,50	2,70
-7/-8	47	55	4,20	1,60	5,00	1,65	5,50	1,70

Rated data for certification programmes - heating mode

Tamb [°C]	EWC [°C]	LWC [°C]	ERGA04EAV3A		ERGA06EAV3A		ERGA08EAV3A	
			HC [kW]	COP	HC [kW]	COP	HC [kW]	COP
10/8	30	35	5,17	5,42	6,17	5,12	7,72	4,72
7/6	30	35	4,30	5,10	6,00	4,85	7,50	4,60
2/1	30	35	3,50	4,10	4,80	3,75	5,60	3,65
-7/-8	30	35	4,50	3,10	5,50	2,90	6,00	2,70
7/6	40	45	4,60	3,65	5,90	3,50	7,80	3,50
2/1	40	45	4,20	2,80	5,00	2,80	6,00	2,75
-7/-8	40	45	4,35	2,40	5,00	2,35	6,02	2,21
7/6	47	55	4,90	2,65	5,80	2,70	7,50	2,70
-7/-8	47	55	4,20	1,60	4,91	1,65	4,86	1,70

Rated data for certification programmes - cooling mode

Tamb [°C]	EWE [°C]	LWE [°C]	ERGA04EAV3(A)		ERGA06EAV3(A/H)		ERGA08EAV3(A/H)	
			CC [kW]	EER	CC [kW]	EER	CC [kW]	EER
35	23	18	4,86	5,98	5,96	5,61	6,25	5,40
35	12	7	4,52	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
η _{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 condenser 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]
- η_{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-

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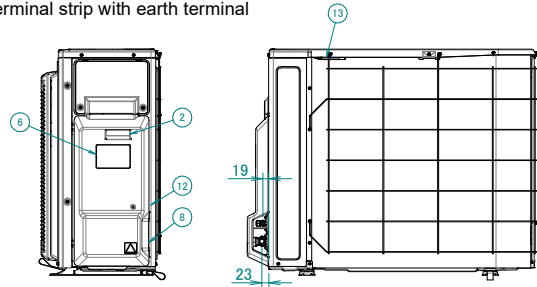
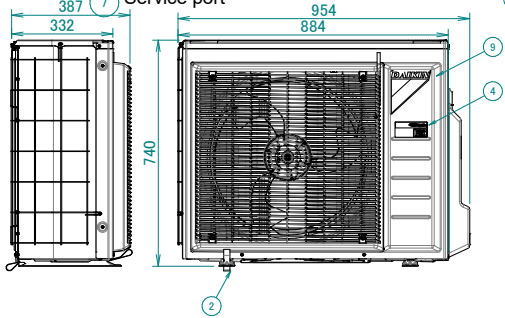
6 Dimensional drawings

6 - 1 Dimensional Drawings

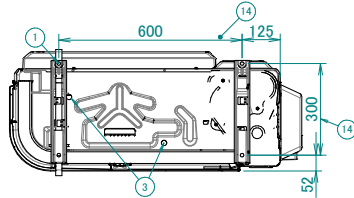
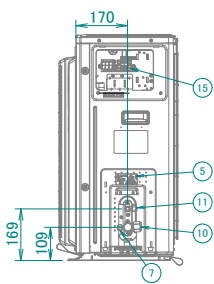
6

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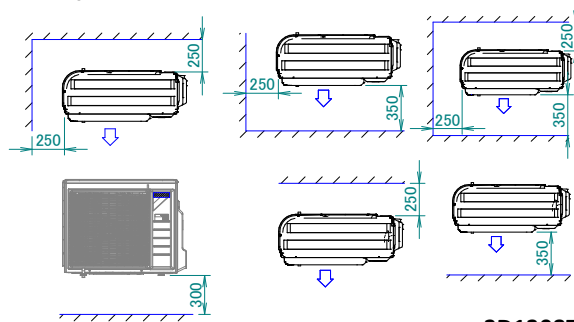
- ① 4 holes for anchor bolts
M8 OR M10
- ② Handle
- ③ Drain outlet
- ④ Nameplate
- ⑤ Caution label
- ⑥ Manufacturer label
- ⑦ Service port
- ⑧ Wiring intake area
- ⑨ Brand name label
- ⑩ Gas stop valve $\varnothing 15.9$ CuT
- ⑪ Liquid stop valve $\varnothing 6.4$ CuT
- ⑫ Product liability label
- ⑬ Outdoor air temperature thermistor
- ⑭ Pitch of foundation bolt holes
- ⑮ Terminal strip with earth terminal



In case of removing the stop valve cover.



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

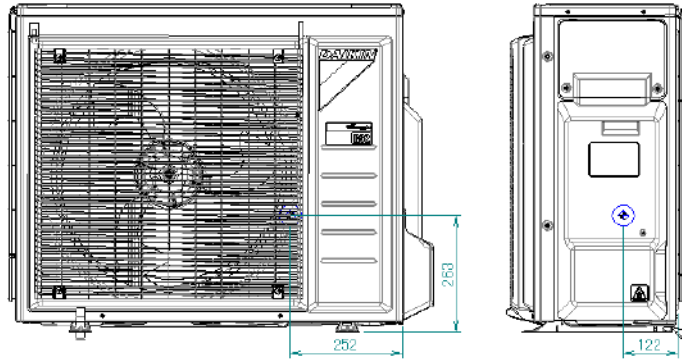


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7 Centre of gravity

7 - 1 Centre of Gravity

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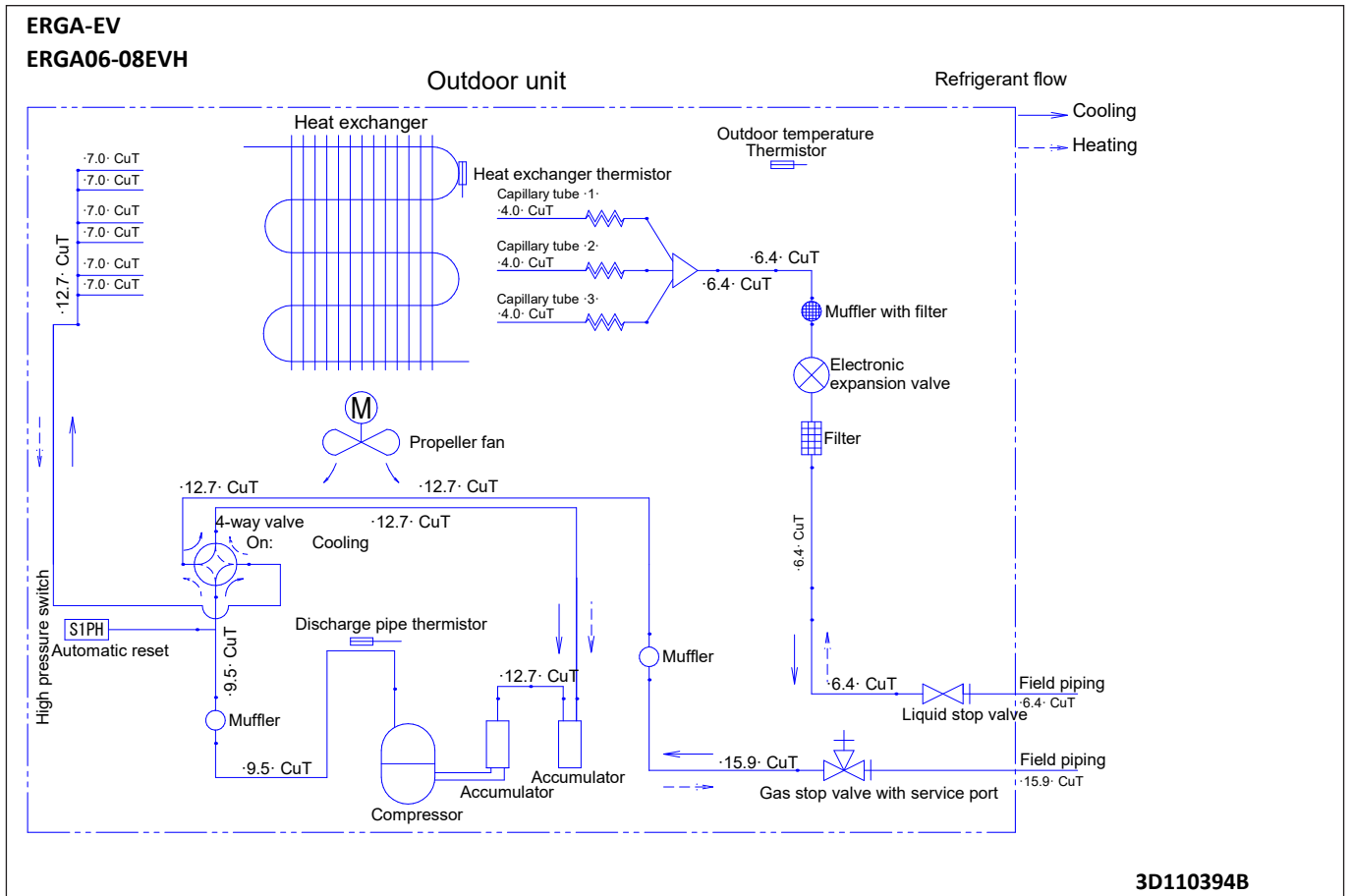


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8 Piping diagrams

8 - 1 Piping Diagrams

8

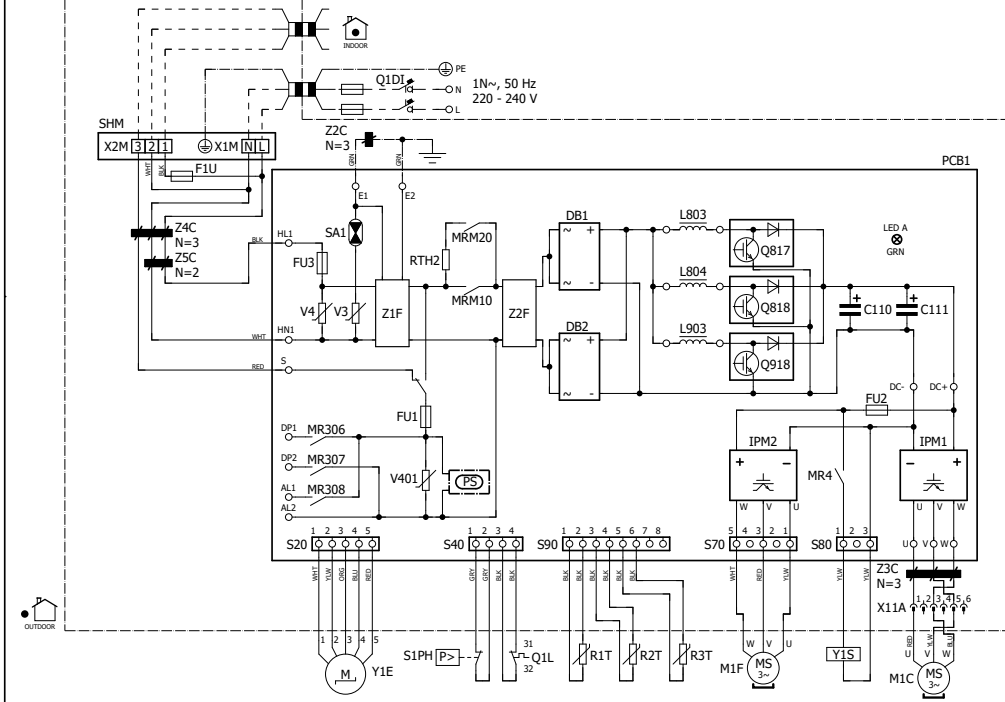


9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

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(1) Connection diagram



(3) Legend

Part n°	Description
AL*	Connector
C*	Capacitor
DB*	Rectifier bridge
DC*	Connector
DP*	Connector
E*	Connector
FU1	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
MIC	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 arrester
SHM	Terminal strip fixed plate
U, V, W	Connector
Y2, 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
- ⊕ : 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

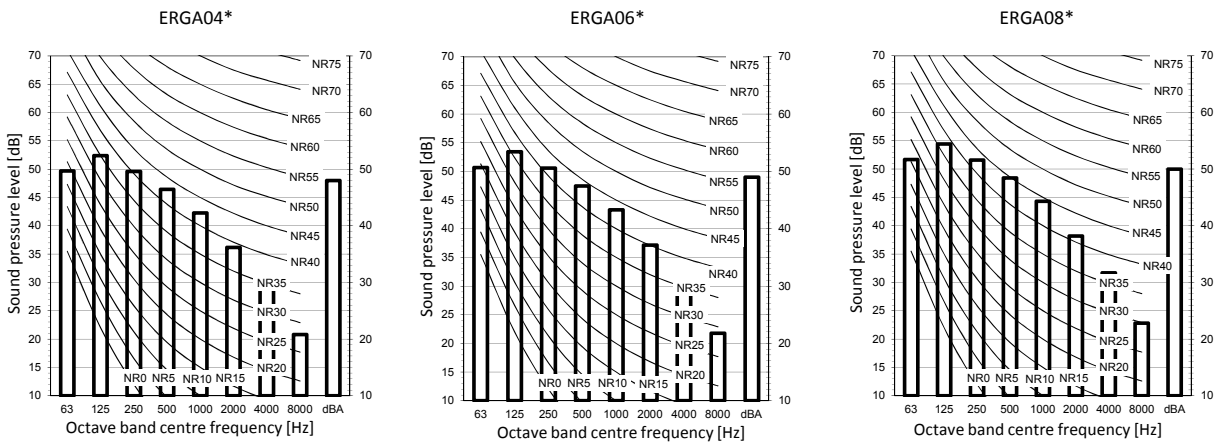
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10 Sound data

10 - 1 Sound Pressure Spectrum - Cooling

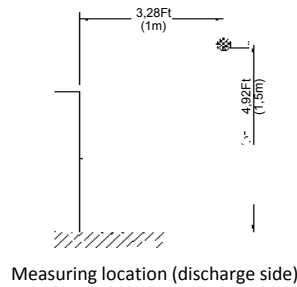
10

ERGA-EV
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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.

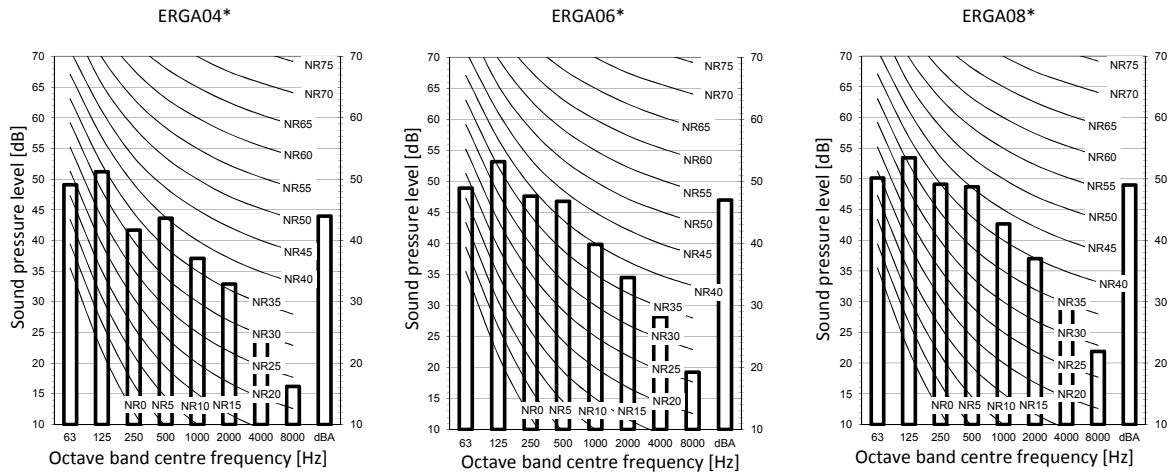


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10 Sound data

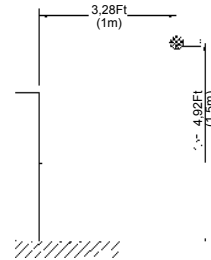
10 - 2 Sound Pressure Spectrum - Heating

ERGA-EV
ERGA06-08EVH Heating



Notes

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



Measuring location (discharge side)

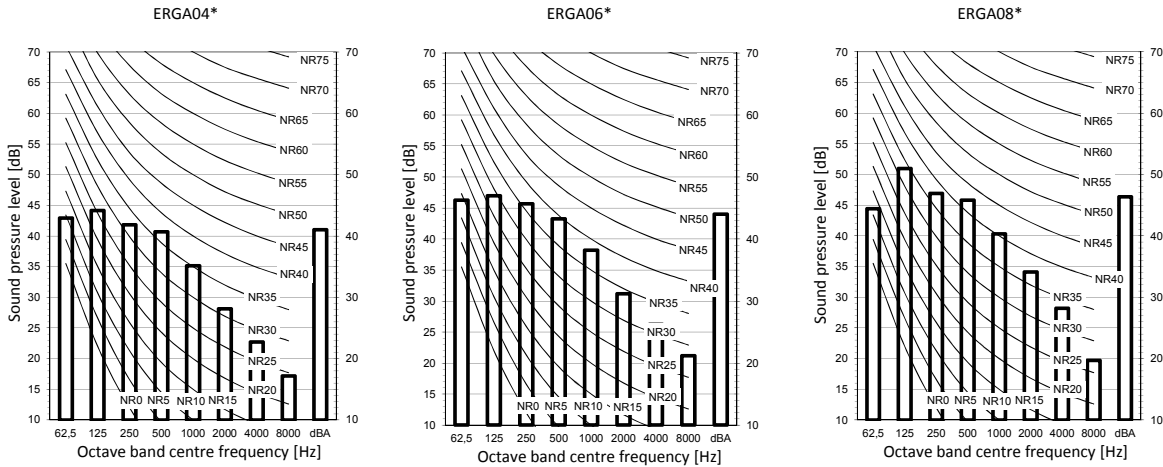
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10 Sound data

10 - 3 Sound Pressure Spectrum Quiet Mode

10

ERGA-EV
ERGA06-08EVH Heating more quiet mode

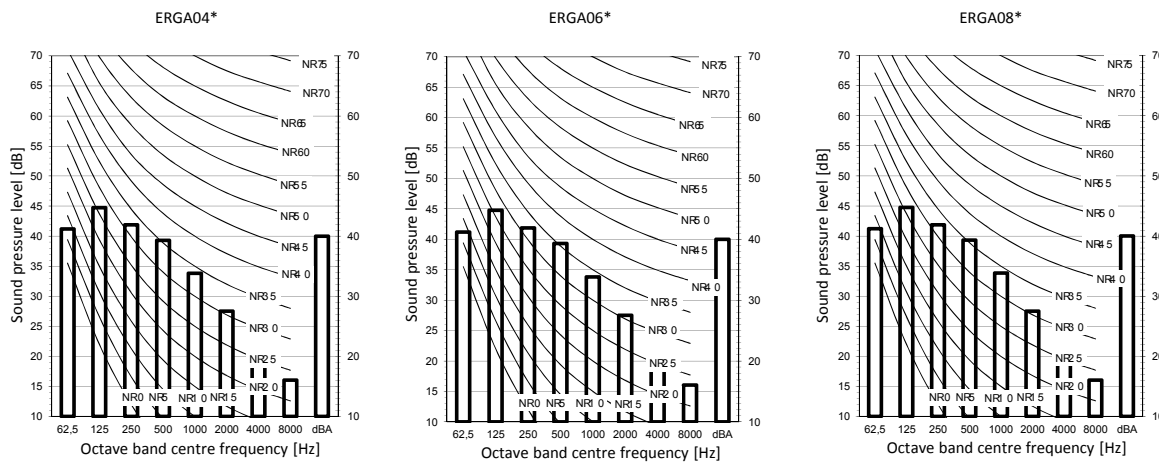


Notes

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.

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ERGA-EV
ERGA06-08EVH Heating most quiet mode



Notes

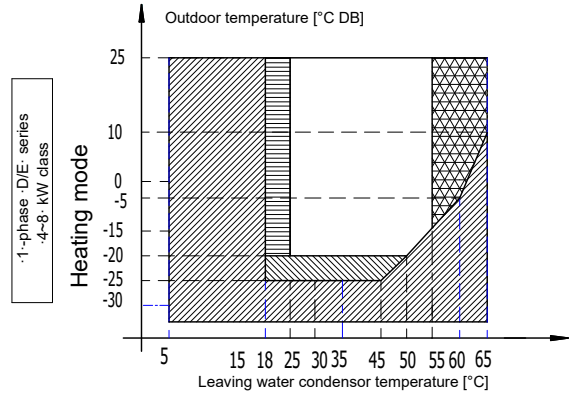
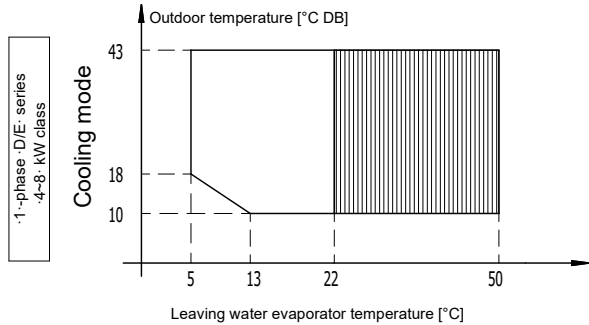
1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 μPa
5. If the sound is measured under actual installation conditions,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

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11 Operation range

11 - 1 Operation Range

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Indoor
·D/E(A/F/J)· series Standard

Legend

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

Remark

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

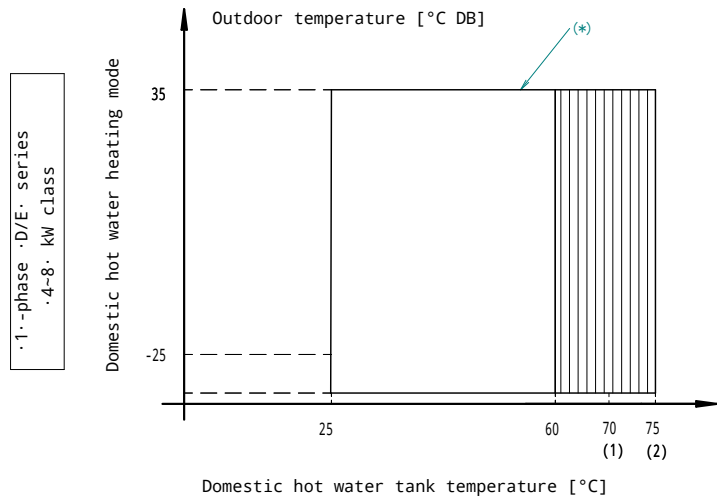
Warning

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

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

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ERGA-EV
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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 ·EKHW·S*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.

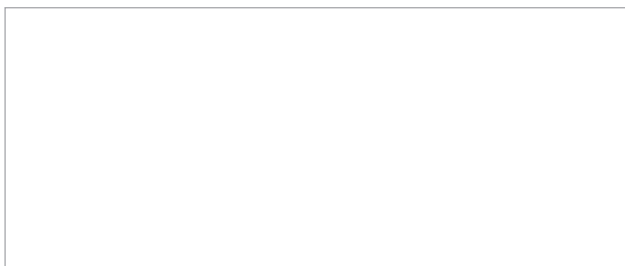
Remark

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.

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01/2022



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