



Daikin Altherma low
temperature split
Technical data book
ERGA04-08EV



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ERGA04-08EV

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1 Features

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- › 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
- › W-LAN Adapter connection

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Guaranteed
operation
down to -25°C



Daikin
Residential
Controller



Online
controller

2 Specifications

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Technical specifications					EHBH04E6V + ERGA04EV	EHBH08E6V + ERGA06EV	EHBH08E6V + ERGA08EV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
Pump	Nominal ESP unit	Heating		kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium		
		Name or trademark			Daikin Europe N.V.		
	Product description	Air-to-water heat pump			Yes		
		Brine-to-water heat pump			No		
		Heat pump combination heater			No		
		Low-temperature heat pump			No		
		Supplementary heater integrated			Yes		
		Water-to-water heat pump			No		
	LW(A) Sound power level	Indoor		dB(A)	42		
	LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	58	60	62
	Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0	2,520.0	2,770.0
		Capacity control			Inverter		
	Other	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		
	Integrated supplementary heater	Type of energy input			Electrical		
Domestic hot water heating	Average climate	ηwh (water heating efficiency)		%	-		
	Cold climate	ηwh (water heating efficiency)		%	-		
	Warm climate	ηwh (water heating efficiency)		%	-		
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806	4,441	4,975
			ηs (Seasonal space heating efficiency)	%	127		130
		A	Prated at -10°C	kW	6.0	7.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	13.7	16.0	17.9
			SCOP		3.26		3.32
		Seasonal space heating eff. class			A++		
		Condition (-7°CDB/- 8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		1.97	1.98	1.96
			Pdh	kW	5.3	5.9	6.9

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Technical specifications					EHBH04E6V + ERGA04EV	EHBH08E6V + ERGA06EV	EHBH08E6V + ERGA08EV
Space heating	Average climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	PERd	%	79		78
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.23	3.16	3.20
			Pdh	kW	3.3	3.9	4.4
			PERd	%	129	126	128
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.40	4.49	4.64
			Pdh	kW	3.0		3.3
			PERd	%	176	180	186
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0		
			COPd		6.10		6.22
			Pdh	kW	3.3		4.1
			PERd	%	244		249
		Tol (temperature operating limit)	COPd		1.37	1.53	1.64
			Pdh	kW	4.0	5.4	7.1
			PERd	%	55	61	66
			TOL	°C	-10		
			WTOL	°C	55		
	Cold climate water outlet 55°C	Rated heat output	Psup (at Tdesign -10°C)	kW	2.0	1.6	0.9
		Tbiv (bivalent temperature)	COPd		1.97	2.12	1.90
			Pdh	kW	5.3	6.1	7.5
			PERd	%	79	85	76
			Tbiv	°C	-7	-6	-8
		General	Annual energy consumption	kWh	4,468	5,300	6,886
			ηs (Seasonal space heating efficiency)	%	107	109	112
			Prated at -22°C	kW	5.0	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	1,858	2,213
			ηs (Seasonal space heating efficiency)	%	148	158	161
			Prated at 2°C	kW	4.7	5.6	6.8
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,766	3,233	3,625
			ηs (Seasonal space heating efficiency)	%	176		179
			Prated at -10°C	kW	6.0	7.0	8.0
			Qhe Annual energy consumption (GCV)	Gj	9.96	11.6	13.1
			SCOP		4.48	4.47	4.56
			Seasonal space heating eff. class		A+++		
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86	2.77
			Pdh	kW	5.5	6.0	7.0

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Technical specifications					EHBH04E6V + ERGA04EV	EHBH08E6V + ERGA06EV	EHBH08E6V + ERGA08EV
Space heating Average climate water outlet 35°C Cold climate water outlet 35°C Warm climate water outlet 35°C	A Condition (-7°CDB/-8°CWB)	PERd	%		116	114	111
		Cd _h (Degradation heating)			1.0		
		COP _d			4.33	4.25	4.35
		Pd _h	kW		3.3	3.9	4.2
		PERd	%		173	170	174
	B Condition (2°CDB/1°CWB)	Cd _h (Degradation heating)			1.0		
		COP _d			6.19	6.30	6.49
		Pd _h	kW		3.2		3.3
		PERd	%		248	252	260
		Cd _h (Degradation heating)			1.0		
	C Condition (7°CDB/6°CWB)	COP _d			7.78		8.52
		Pd _h	kW		3.3		3.9
		PERd	%		311		341
		Cd _h (Degradation heating)			1.0		
	D Condition (12°CDB/11°CWB)	COP _d			2.56	2.49	2.41
		Pd _h	kW		5.2	6.0	6.9
		PERd	%		102	100	96
		TOL	°C		-10		
		WTOL	°C		35		
	Tol (temperature operating limit)	COP _d			2.90	3.07	2.66
		Pd _h	kW		5.5	6.1	7.5
		PERd	%		116	123	106
		Tbiv	°C		-7	-6	-8
	Tbiv (bivalent temperature)	COP _d			2.90	3.07	2.66
		Pd _h	kW		5.5	6.1	7.5
	Rated heat output	Psup (at T _{design} -10°C)	kW		0.8	1.0	1.1
		General					
	Cold climate water outlet 35°C	Annual energy consumption	kWh		3,230	3,749	5,034
		η _s (Seasonal space heating efficiency)	%		150	155	154
		Prated at -22°C	kW		5.0	6.0	8.0
	Warm climate water outlet 35°C	Annual energy consumption	kWh		1,139	1,276	1,437
		η _s (Seasonal space heating efficiency)	%		241	248	257
		Prated at 2°C	kW		5.2	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 + ERGA06EV	EHBH08E9W + ERGA08EV
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	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	

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Technical specifications					EHBH08E9W + ERGA06EV	EHBH08E9W + ERGA08EV
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	
Domestic hot water heating	Average climate	η _{wh} (water heating efficiency)	%		-	
	Cold climate	η _{wh} (water heating efficiency)	%		-	
	Warm climate	η _{wh} (water heating efficiency)	%		-	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,441	4,975
			η _s (Seasonal space heating efficiency)	%	127	130
			Prated at -10°C	kW	7.0	8.0
			Q _{he} Annual energy consumption (GCV)	Gj	16.0	17.9
			SCOP		3.26	3.32
			Seasonal space heating eff. class		A++	
			A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1.0	
			COPd		1.98	1.96
			Pdh	kW	5.9	6.9

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Technical specifications					EHBH08E9W + ERGA06EV	EHBH08E9W + ERGA08EV
Space heating Average climate water outlet 55°C Cold climate water outlet 55°C Warm climate water outlet 55°C Average climate water outlet 35°C	A Condition (-7°CDB/-8°CWB) B Condition (2°CDB/1°CWB) C Condition (7°CDB/6°CWB) D Condition (12°CDB/11°CWB) Tol (temperature operating limit) Rated heat output Tbiv (bivalent temperature) General General General A Condition (-7°CDB/-8°CWB)	PERd	%		79	78
		Cd _h (Degradation heating)			1.0	
		COP _d			3.16	3.20
		Pd _h		kW	3.9	4.4
		PERd		%	126	128
		Cd _h (Degradation heating)			1.0	
		COP _d			4.49	4.64
		Pd _h		kW	3.0	3.3
		PERd		%	180	186
		Cd _h (Degradation heating)			1.0	
		COP _d			6.10	6.22
		Pd _h		kW	3.3	4.1
		PERd		%	244	249
		COP _d			1.53	1.64
		Pd _h		kW	5.4	7.1
		PERd		%	61	66
		TOL		°C	-10	
		WTOL		°C	55	
		P _{sup} (at T _{design} -10°C)		kW	1.6	0.9
		COP _d			2.12	1.90
		Pd _h		kW	6.1	7.5
		PERd		%	85	76
		T _{biv}		°C	-6	-8
		Annual energy consumption		kWh	5,300	6,886
		η _s (Seasonal space heating efficiency)		%	109	112
		Prated at -22°C		kW	6.0	8.0
		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
		Q _{he} Annual energy consumption (GCV)		Gj	11.6	13.1
		SCOP			4.47	4.56
		Seasonal space heating eff. class			A+++	
		COP _d			2.86	2.77
		Pd _h		kW	6.0	7.0

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Technical specifications				EHBH08E9W + ERGA06EV	EHBH08E9W + ERGA08EV
Space heating	Average climate water outlet 35°C	A Condition (-7°CDB/-8°CWB)	PERd %	114	111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0	
			COPd	4.25	4.35
			Pdh kW	3.9	4.2
			PERd %	170	174
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0	
			COPd	6.30	6.49
			Pdh kW	3.2	3.3
			PERd %	252	260
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0	
	Cold climate water outlet 35°C		COPd	7.78	8.52
			Pdh kW	3.3	3.9
			PERd %	311	341
		Tol (temperature operating limit)	COPd	2.49	2.41
			Pdh kW	6.0	6.9
			PERd %	100	96
			TOL °C	-10	
			WTOL °C	35	
		Tbiv (bivalent temperature)	COPd	3.07	2.66
			Pdh kW	6.1	7.5
	Warm climate water outlet 35°C		PERd %	123	106
			Tbiv °C	-6	-8
		Rated heat output	Psup (at Tdesign -10°C) kW	1.0	1.1
		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
		General	Annual energy consumption kWh	1,276	1,437
			ηs (Seasonal space heating efficiency) %	248	257
			Prated at 2°C kW	6.0	7.0

(1)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |

(2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Technical specifications					EHBX04E6V + ERGA04EV	EHBX08E6V + ERGA06EV	EHBX08E6V + ERGA08EV
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Cooling capacity	Nom.			kW	4.86 (1) / 4.52 (2)	5.96 (1) / 5.09 (2)	6.25 (1) / 5.44 (2)
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
	Cooling	Nom.		kW	0.810 (1) / 1.36 (2)	1.06 (1) / 1.55 (2)	1.16 (1) / 1.73 (2)
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
EER					5.98 (1) / 3.32 (2)	5.61 (1) / 3.28 (2)	5.40 (1) / 3.14 (2)
Pump	Nominal ESP unit	Cooling		kPa	54.6 (1) / 58.8 (2)	52.6 (1) / 56.7 (2)	51.1 (1) / 55.1 (2)
		Heating		kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	15.9 (1) / 13.0 (2)	17.1 (1) / 14.6 (2)	17.9 (1) / 15.6 (2)
		Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)
General	Supplier/Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium		
		Name or trademark			Daikin Europe N.V.		
	Product description	Air-to-water heat pump				Yes	
		Brine-to-water heat pump				No	
		Heat pump combination heater				No	
		Low-temperature heat pump				No	
		Supplementary heater integrated				Yes	
		Water-to-water heat pump				No	
	LW(A) Sound power level	Indoor			dB(A)	42	
		Outdoor			dB(A)	58	60
LW(A) Sound power level (according to EN14825)							
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		

2 Specifications


1 - 1 ERGA04-08EV

Technical specifications				EHBX04E6V + ERGA04EV	EHBX08E6V + ERGA06EV	EHBX08E6V + ERGA08EV
Space heating general	Air to water unit	Rated airflow (outdoor)	m ³ /h	2,280.0	2,520.0	2,770.0
		Capacity control		Inverter		
	Other	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		
	Integrated supplementary heater	Type of energy input		Electrical		
Domestic hot water heating	Average climate	η _{wh} (water heating efficiency)	%	-		
	Cold climate	η _{wh} (water heating efficiency)	%	-		
	Warm climate	η _{wh} (water heating efficiency)	%	-		
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	3,769	4,405	4,939
			η _s (Seasonal space heating efficiency)	129	128	131
			Prated at -10°C	6.0	7.0	8.0
			Q _{he} Annual energy consumption (GCV)	13.6	15.9	17.8
Space heating	Average climate water outlet 55°C	General	SCOP	3.29	3.28	3.35
			Seasonal space heating eff. class	A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1.0		
			COPd	1.97	1.98	1.96
			Pdh	5.3	5.9	6.9
			PERd	79		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0		
			COPd	3.23	3.16	3.20
			Pdh	3.3	3.9	4.4
			PERd	129	126	128
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0		
			COPd	4.40	4.49	4.64
			Pdh	3.0		
			PERd	176	180	186
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0		
			COPd	6.10		
			Pdh	3.3		
			PERd	244		
		Tol (temperature operating limit)	COPd	1.37	1.53	1.64
			Pdh	4.0	5.4	7.1
			PERd	55	61	66
			TOL	-10		
			WTOL	55		
		Rated heat output Tbiv (bivalent temperature)	Psup (at Tdesign -10°C)	2.0	1.6	0.9
			COPd	1.97	2.12	1.90
			Pdh	5.3	6.1	7.5
			PERd	79	85	76
			Tbiv	-7	-6	-8
	Cold climate water outlet 55°C	General	Annual energy consumption	4,446	5,278	6,864
			η _s (Seasonal space heating efficiency)	108	109	112
			Prated at -22°C	5.0	6.0	8.0
	Warm climate water outlet 55°C	General	Annual energy consumption	1,616	1,813	2,168
			η _s (Seasonal space heating efficiency)	152	162	165
			Prated at 2°C	4.7	5.6	6.8
	Average climate water outlet 35°C	General	Annual energy consumption	2,729	3,196	3,588
			η _s (Seasonal space heating efficiency)	179	178	181
			Prated at -10°C	6.0	7.0	8.0

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Technical specifications					EHBX04E6V + ERGA04EV	EHBX08E6V + ERGA06EV	EHBX08E6V + ERGA08EV
<div>Space heating</div>	Average climate water outlet 35°C	General	Qhe Annual energy consumption (GCV)	Gj	9.82	11.5	12.9
			SCOP		4.54	4.52	4.61
			Seasonal space heating eff. class		A+++		
		A	COPd	2.90	2.86	2.77	
		Condition (-7°CDB/-8°CWB)	Pdh	kW	5.5	6.0	7.0
			PERd	%	116	114	111
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0		
			COPd	4.33	4.25	4.35	
			Pdh	kW	3.3	3.9	4.2
			PERd	%	173	170	174
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0			
				COPd	6.19	6.30	6.49
				Pdh	kW	3.2	3.3
				PERd	%	248	252
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0			
				COPd	7.78	8.52	
				Pdh	kW	3.3	3.9
				PERd	%	311	341
		Tol (temperature operating limit)		COPd	2.56	2.49	2.41
				Pdh	kW	5.2	6.0
			PERd	%	102	100	96
			TOL	°C	-10		
			WTOL	°C	35		
	Tbiv (bivalent temperature)		COPd	2.90	3.07	2.66	
			Pdh	kW	5.5	6.1	7.5
			PERd	%	116	123	106
			Tbiv	°C	-7	-6	-8
	Rated heat output		Psup (at Tdesign -10°C)	kW	0.8	1.0	1.1
Cold climate water outlet 35°C		General	Annual energy consumption	kWh	3,208	3,727	5,012
	ηs (Seasonal space heating efficiency)		%	151	156	154	
	Prated at -22°C		kW	5.0	6.0	8.0	
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095	1,232	1,393	
		ηs (Seasonal space heating efficiency)	%	251	257	266	
		Prated at 2°C	kW	5.2	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 + ERGA06EV		EHBX08E9W + ERGA08EV	
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	Cooling	Nom.	l/min	17.1 (1) / 14.6 (2)		17.9 (1) / 15.6 (2)
	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	Indoor		dB(A)	42		
	LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	60		62

2 Specifications

1 - 1 ERGA04-08EV

Technical specifications				EHBX08E9W + ERGA06EV		EHBX08E9W + ERGA08EV			
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)	kW	0.000					
		Poff (Off mode)	kW	0.010					
		Psb (Standby mode)	kW	0.010					
		Pto (Thermostat off)	kW	0.010					
		Integrated supplementary heater	Psup	kW	9.0				
		Type of energy input		Electrical					
Domestic hot water heating	Average climate	ηwh (water heating efficiency)	%	-					
	Cold climate	ηwh (water heating efficiency)	%	-					
	Warm climate	ηwh (water heating efficiency)	%	-					
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		
Space heating	Average climate water outlet 55°C	General	SCOP		3.28		3.35		
			Seasonal space heating eff. class	A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1.0					
			COPd	1.98		1.96			
			Pdh	kW	5.9		6.9		
			PERd	%	79		78		
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0				
		COPd		3.16		3.20			
		Pdh		kW	3.9		4.4		
		PERd		%	126		128		
		C Condition (7°CDB/6°CWB)		Cdh (Degradation heating)	1.0				
			COPd	4.49		4.64			
			Pdh	kW	3.0		3.3		
			PERd	%	180		186		
			D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0				
		COPd		6.10		6.22			
		Pdh		kW	3.3		4.1		
		PERd		%	244		249		
		Tol (temperature operating limit)		COPd	1.53		1.64		
			Pdh	kW	5.4		7.1		
			PERd	%	61		66		
			TOL	°C	-10				
			WTOL	°C	55				
		Rated heat output	Psup (at Tdesign -10°C)	kW	1.6		0.9		
			Tbiv (bivalent temperature)	COPd	2.12		1.90		
				Pdh	kW	6.1		7.5	
				PERd	%	85		76	
				Tbiv	°C	-6		-8	
		Cold climate water outlet 55°C		General	Annual energy consumption	kWh	5,278		6,864
			ηs (Seasonal space heating efficiency)		%	109		112	
			Prated at -22°C		kW	6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813		2,168		
			ηs (Seasonal space heating efficiency)	%	162		165		
			Prated at 2°C	kW	5.6		6.8		
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,196		3,588		
			ηs (Seasonal space heating efficiency)	%	178		181		
			Prated at -10°C	kW	7.0		8.0		

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1 - 1 ERGA04-08EV

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Technical specifications					EHBX08E9W + ERGA06EV		EHBX08E9W + ERGA08EV	
<div><div></div><div>Space heating</div></div>	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+++			
		A	COPd		2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114		111	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170		174	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
			PERd	%	252		260	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	
			PERd	%	311		341	
		Tol (temperature operating limit)	COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
			PERd	%	100		96	
			TOL	°C	-10			
			WTOL	°C	35			
		Tbiv (bivalent temperature)	COPd		3.07		2.66	
			Pdh	kW	6.1		7.5	
			PERd	%	123		106	
			Tbiv	°C	-6		-8	
		Rated heat output	Psup (at Tdesign -10°C)	kW	1.0		1.1	
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727		5,012		
		ηs (Seasonal space heating efficiency)	%	156		154		
		Prated at -22°C	kW	6.0		8.0		
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,232		1,393		
		ηs (Seasonal space heating efficiency)	%	257		266		
		Prated at 2°C	kW	6.0		7.0		

(1)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |

(2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Technical specifications					EHVH04S18E6V + ERGA04EV		EHVH04S23E6V + ERGA04EV		EHVH08S18E6V + ERGA06EV		EHVH08S23E6V + ERGA06EV		EHVH08S18E6V + ERGA08EV		EHVH08S23E6V + ERGA08EV		
Heating capacity	Nom.			kW	4.30 (1) / 4.60 (2)				6.00 (1) / 5.90 (2)				7.50 (1) / 7.80 (2)				
Power input	Heating	Nom.			kW	0.850 (1) / 1.26 (2)				1.24 (1) / 1.69 (2)				1.63 (1) / 2.23 (2)			
	Domestic hot water from 10°C	Nom.			kWh	2.48		3.01		2.48		3.01		2.48		3.01	
Heat up time from 10°C to 50°C					hr	1h28min		1h40min		1h28min		1h40min		1h28min		1h40min	
COP					5.10 (1) / 3.65 (2)				4.85 (1) / 3.50 (2)				4.60 (1) / 3.50 (2)				
Pump	Nominal ESP unit	Heating			kPa	59.6 (1) / 58.6 (2)				52.4 (1) / 52.9 (2)				43.3 (1) / 41.2 (2)			
Water side Heat exchanger	Water flow rate	Heating	Nom.		l/min	12.3 (1) / 13.2 (2)				17.2 (1) / 16.9 (2)				21.5 (1) / 22.4 (2)			
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium												
		Name or trademark			Daikin Europe N.V.												
	Product description	Air-to-water heat pump			Yes												
		Brine-to-water heat pump			No												
		Heat pump combination heater			Yes												
		Low-temperature heat pump			No												
		Supplementary heater integrated			Yes												
		Water-to-water heat pump			No												
	LW(A) Sound power level	Indoor			dB(A)	42											
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	58				60				62				

2 Specifications

1 - 1 ERGA04-08EV

Technical specifications				EHVH04S18E6V + ERGA04EV	EHVH04S23E6V + ERGA04EV	EHVH08S18E6V + ERGA06EV	EHVH08S23E6V + ERGA06EV	EHVH08S18E6V + ERGA08EV	EHVH08S23E6V + ERGA08EV
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		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	L	XL
		Function to fix water heating during off peak hours		No					
Space heating general	Integrated supplementary heater	Psup	kW	6.0					
		Type of energy input		Electrical					
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267	820	1,267
		ηwh (water heating efficiency)	%	125	133	125	133	125	133
		Qelec (Daily electricity consumption)	kWh	3.870	5.900	3.870	5.900	3.870	5.900
		Water heating energy efficiency class		A+					
	Cold climate	AEC (Annual electricity consumption)	kWh	951	1,475	951	1,475	951	1,475
		ηwh (water heating efficiency)	%	107	114	107	114	107	114
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046	680	1,046	680	1,046
Domestic hot water heating	Warm climate	ηwh (water heating efficiency)	%	151	161	151	161	151	161
		Qelec (Daily electricity consumption)	kWh	3.220	4.880	3.220	4.880	3.220	4.880

2 Specifications

1 - 1 ERGA04-08EV

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Technical specifications				EHVH04S18E6V + ERGA04EV	EHVH04S23E6V + ERGA04EV	EHVH08S18E6V + ERGA06EV	EHVH08S23E6V + ERGA06EV	EHVH08S18E6V + ERGA08EV	EHVH08S23E6V + ERGA08EV
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	3,806		4,441		4,975	
			η_s (Seasonal space heating efficiency)	127				130	
			Prated at -10°C	6.0		7.0		8.0	
			Qhe Annual energy consumption (GCV)	13.7		16.0		17.9	
			SCOP	3.26				3.32	
			Seasonal space heating eff. class			A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1.0			
			COPd	1.97		1.98		1.96	
			Pdh	5.3		5.9		6.9	
			PERd	79				78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0			
			COPd	3.23		3.16		3.20	
			Pdh	3.3		3.9		4.4	
			PERd	129		126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0			
			COPd	4.40		4.49		4.64	
			Pdh	3.0				3.3	
			PERd	176		180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0			
			COPd	6.10				6.22	
			Pdh	3.3				4.1	
			PERd	244				249	
		Tol (temperature operating limit)	COPd	1.37		1.53		1.64	
			Pdh	4.0		5.4		7.1	
			PERd	55		61		66	
			TOL			-10			
			WTOL			55			
	Rated heat output	Tbiv (bivalent temperature)	Psup (at Tdesign -10°C)	2.0		1.6		0.9	
			COPd	1.97		2.12		1.90	
			Pdh	5.3		6.1		7.5	
			PERd	79		85		76	
			Tbiv	-7		-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	4,468		5,300		6,886	
			η_s (Seasonal space heating efficiency)	107		109		112	
			Prated at -22°C	5.0		6.0		8.0	

2 Specifications

1 - 1 ERGA04-08EV

Technical specifications					EHVH04S18E6V + ERGA04EV	EHVH04S23E6V + ERGA04EV	EHVH08S18E6V + ERGA06EV	EHVH08S23E6V + ERGA06EV	EHVH08S18E6V + ERGA08EV	EHVH08S23E6V + ERGA08EV
	Space heating	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660		1,858		2,213
				η _s (Seasonal space heating efficiency)	%	148		158		161
				Prated at 2°C	kW	4.7		5.6		6.8
		Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,766		3,233		3,625
				η _s (Seasonal space heating efficiency)	%		176			179
				Prated at -10°C	kW	6.0		7.0		8.0
				Q _{he} Annual energy consumption (GCV)	Gj	9.96		11.6		13.1
				SCOP		4.48		4.47		4.56
				Seasonal space heating eff. class			A+++			
		Cold climate water outlet 35°C	A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77
				Pdh	kW	5.5		6.0		7.0
				PERd	%	116		114		111
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0			
				COPd		4.33		4.25		4.35
				Pdh	kW	3.3		3.9		4.2
				PERd	%	173		170		174
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0			
				COPd		6.19		6.30		6.49
				Pdh	kW		3.2			3.3
				PERd	%	248		252		260
			D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0			
				COPd			7.78			8.52
				Pdh	kW		3.3			3.9
				PERd	%		311			341
	Space heating	Warm climate water outlet 35°C	Tol (temperature operating limit)	COPd		2.56		2.49		2.41
				Pdh	kW	5.2		6.0		6.9
				PERd	%	102		100		96
				TOL	°C			-10		
			Tbiv (bivalent temperature)	WTOL	°C			35		
				COPd		2.90		3.07		2.66
				Pdh	kW	5.5		6.1		7.5
				PERd	%	116		123		106
				Tbiv	°C	-7		-6		-8
			Rated heat output	Psup (at Tdesign -10°C)	kW	0.8		1.0		1.1
				Annual energy consumption	kWh	3,230		3,749		5,034
				η _s (Seasonal space heating efficiency)	%	150		155		154
				Prated at -22°C	kW	5.0		6.0		8.0

(1)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |

(2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Technical specifications					EHVH08S18E9W + ERGA06EV	EHVH08S23E9W + ERGA06EV	EHVH08S18E9W + ERGA08EV	EHVH08S23E9W + ERGA08EV
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Domestic hot water from 10°C	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)	
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)	

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1 - 1 ERGA04-08EV

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Technical specifications				EHVH08S18E9W + ERGA06EV	EHVH08S23E9W + ERGA06EV	EHVH08S18E9W + ERGA08EV	EHVH08S23E9W + ERGA08EV	
General	Supplier/ Manufacturer	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	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				
Space heating general	Integrated supplementary heater	Psup kW		9.0				
		Type of energy input		Electrical				
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267	
		ηwh (water heating efficiency)	%	125	133	125	133	
		Qelec (Daily electricity consumption)	kWh	3.870	5.900	3.870	5.900	
		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

1 - 1 ERGA04-08EV

Technical specifications				EHVH08S18E9W + ERGA06EV	EHVH08S23E9W + ERGA06EV	EHVH08S18E9W + ERGA08EV	EHVH08S23E9W + ERGA08EV
	Space heating Average climate water outlet 55°C	General	Annual energy consumption kWh	4,441		4,975	
			η _s (Seasonal space heating efficiency) %	127		130	
			Prated at -10°C kW	7.0		8.0	
			Q _{he} Annual energy consumption (GCV) GJ	16.0		17.9	
			SCOP	3.26		3.32	
			Seasonal space heating eff. class	A++			
			A Condition Cdh (Degradation heating)	1.0			
			COP _d	1.98		1.96	
			P _d kW	5.9		6.9	
			PER _d %	79		78	
			B Condition Cdh (Degradation heating)	1.0			
			COP _d	3.16		3.20	
			P _d kW	3.9		4.4	
			PER _d %	126		128	
			C Condition Cdh (Degradation heating)	1.0			
			COP _d	4.49		4.64	
			P _d kW	3.0		3.3	
			PER _d %	180		186	
			D Condition Cdh (Degradation heating)	1.0			
			COP _d	6.10		6.22	
			P _d kW	3.3		4.1	
			PER _d %	244		249	
			Tol (temperature operating limit) COP _d	1.53		1.64	
			P _d kW	5.4		7.1	
			PER _d %	61		66	
			TOL °C	-10			
			WTOL °C	55			
			Rated heat output P _{sup} (at T _{design} -10°C) kW	1.6		0.9	
			T _{biv} (bivalent temperature) COP _d	2.12		1.90	
			P _d kW	6.1		7.5	
			PER _d %	85		76	
			T _{biv} °C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption kWh	5,300		6,886	
			η _s (Seasonal space heating efficiency) %	109		112	
			Prated at -22°C kW	6.0		8.0	

2 Specifications

1 - 1 ERGA04-08EV

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Technical specifications					EHVH08S18E9W + ERGA06EV	EHVH08S23E9W + ERGA06EV	EHVH08S18E9W + ERGA08EV	EHVH08S23E9W + ERGA08EV
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	
Average climate water outlet 35°C	General	Annual energy consumption	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	
			Q _{he} Annual energy consumption (GCV)	Gj	11.6		13.1	
			SCOP		4.47		4.56	
			Seasonal space heating eff. class		A+++			
			A COPd		2.86		2.77	
Condition (-7°CDB/-8°CWB)			Pdh	kW	6.0		7.0	
			PERd	%	114		111	
B Condition (2°CDB/1°CWB)			Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170		174	
C Condition (7°CDB/6°CWB)			Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
			PERd	%	252		260	
D Condition (12°CDB/11°CWB)			Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	
			PERd	%	311		341	
Tol (temperature operating limit)			COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
			PERd	%	100		96	
			TOL	°C	-10			
			WTOL	°C	35			
			COPd		3.07		2.66	
Tbiv (bivalent temperature)			Pdh	kW	6.1		7.5	
			PERd	%	123		106	
			Tbiv	°C	-6		-8	
			Rated heat output	kW	1.0		1.1	
Cold climate water outlet 35°C	General	Annual energy consumption	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	
			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	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)	

2 Specifications

1 - 1 ERGA04-08EV

Technical specifications			EHVX04S18E3V + ERGA04EV	EHVX04S23E3V + ERGA04EV
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)	LW(A) Sound power level	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	
		Capacity control	Inverter	
	Other	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

1 - 1 ERGA04-08EV

Technical specifications				EHVX04S18E3V + ERGA04EV	EHVX04S23E3V + ERGA04EV
<div><div>2</div><div>Space heating</div><div>Average climate water outlet 55°C</div></div>	<div><div>General</div><div>A</div><div>Condition (-7°CDB/-8°CWB)</div><div>B Condition (2°CDB/1°CWB)</div><div>C Condition (7°CDB/6°CWB)</div><div>D Condition (12°CDB/11°CWB)</div><div>Tol (temperature operating limit)</div><div>Rated heat output</div><div>Tbiv (bivalent temperature)</div></div>	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++	
		Cdh (Degradation heating)		1.0	
		COPd		1.97	
		Pdh	kW	5.3	
		PERd	%	79	
		Cdh (Degradation heating)		1.0	
		COPd		3.23	
		Pdh	kW	3.3	
		PERd	%	129	
		Cdh (Degradation heating)		1.0	
		COPd		4.40	
		Pdh	kW	3.0	
		PERd	%	176	
		Cdh (Degradation heating)		1.0	
		COPd		6.10	
		Pdh	kW	3.3	
		PERd	%	244	
		COPd		1.37	
		Pdh	kW	4.0	
		PERd	%	55	
		TOL	°C	-10	
		WTOL	°C	55	
		Psup (at Tdesign -10°C)	kW	2.0	
		COPd		1.97	
		Pdh	kW	5.3	

2 Specifications

1 - 1 ERGA04-08EV

Technical specifications					EHVX04S18E3V + ERGA04EV	EHVX04S23E3V + ERGA04EV
 Space heating	Average climate water outlet 55°C	Tbiv (bivalent temperature)	PERd Tbiv	% °C	79 -7	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446	
			ηs (Seasonal space heating efficiency)	%	108	
			Prated at -22°C	kW	5.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616	
			ηs (Seasonal space heating efficiency)	%	152	
			Prated at 2°C	kW	4.7	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,729	
			ηs (Seasonal space heating efficiency)	%	179	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	9.82	
			SCOP		4.54	
			Seasonal space heating eff. class		A+++	
	A Condition (-7°CDB/-8°CWB)	COPd			2.90	
		Pdh	kW		5.5	
		PERd	%		116	
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0	
		COPd			4.33	
		Pdh	kW		3.3	
		PERd	%		173	
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0	
		COPd			6.19	
		Pdh	kW		3.2	
		PERd	%		248	
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0	
		COPd			7.78	
		Pdh	kW		3.3	
		PERd	%		311	
	Tol (temperature operating limit)	COPd			2.56	
		Pdh	kW		5.2	
		PERd	%		102	
		TOL	°C		-10	
		WTOL	°C		35	
	Tbiv (bivalent temperature)	COPd			2.90	
		Pdh	kW		5.5	
		PERd	%		116	
 Space heating	Average climate water outlet 35°C	Tbiv (bivalent temperature)	Tbiv	°C	-7	
		Rated heat output	Psup (at Tdesign -10°C)	kW	0.8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208	
			ηs (Seasonal space heating efficiency)	%	151	
			Prated at -22°C	kW	5.0	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095	
			ηs (Seasonal space heating efficiency)	%	251	
			Prated at 2°C	kW	5.2	




(1)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |
(2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

Technical specifications			EHVX04S18E6V + ERGA04EV	EHVX04S23E6V + ERGA04EV	EHVX08S18E6V + ERGA06EV	EHVX08S23E6V + ERGA06EV	EHVX08S18E6V + ERGA08EV	EHVX08S23E6V + ERGA08EV
Heating capacity	Nom.	kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.	kW	4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	

2 Specifications

1 - 1 ERGA04-08EV

2

Technical specifications				EHVX04S18E6V + ERGA04EV	EHVX04S23E6V + ERGA04EV	EHVX08S18E6V + ERGA06EV	EHVX08S23E6V + ERGA06EV	EHVX08S18E6V + ERGA08EV	EHVX08S23E6V + ERGA08EV		
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)			
	Cooling	Nom.	kW	0.810 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)			
	Domestic hot water from 10°C	Nom.	kWh	2.48	3.01	2.48	3.01	2.48	3.01		
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min		
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)			
EER				5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)			
Pump	Nominal	Cooling	kPa	54.6 (1) / 58.8 (2)		52.6 (1) / 56.7 (2)		51.1 (1) / 55.1 (2)			
	ESP unit	Heating	kPa	59.6 (1) / 58.6 (2)		52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)			
Water side Heat exchanger	Water flow rate	Cooling	Nom. l/min	15.9 (1) / 13.0 (2)		17.1 (1) / 14.6 (2)		17.9 (1) / 15.6 (2)			
		Heating	Nom. l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)			
General	Supplier/Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium							
		Name or trademark		Daikin Europe N.V.							
	Product description	Air-to-water heat pump		Yes							
		Brine-to-water heat pump		No							
		Heat pump combination heater		Yes							
		Low-temperature heat pump		No							
		Supplementary heater integrated		Yes							
		Water-to-water heat pump		No							
	LW(A) Sound power level	Indoor	dB(A)	42							
	LW(A) Sound power level (according to EN14825)	Outdoor	dB(A)	58		60		62			
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825							
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h		2,280.0		2,520.0		2,770.0	
	Other	Capacity control				Inverter					
		Pck (Crankcase heater mode)		kW		0.000					
		Poff (Off mode)		kW		0.010					
		Psb (Standby mode)		kW		0.010					
		Pto (Thermostat off)		kW		0.010					
	General	Declared load profile		L		XL		L		XL	
		Function to fix water heating during off peak hours				No					
Space heating general	Integrated supplementary heater	Psup		kW		6.0					
		Type of energy input				Electrical					
	Average climate	AEC (Annual electricity consumption)		kWh		820	1,267	820	1,267	820	1,267
		ηwh (water heating efficiency)		%		125	133	125	133	125	133
		Qelec (Daily electricity consumption)		kWh		3.870	5.900	3.870	5.900	3.870	5.900
	Average climate	Water heating energy efficiency class				A+					
	Cold climate	AEC (Annual electricity consumption)		kWh		951	1,475	951	1,475	951	1,475
		ηwh (water heating efficiency)		%		107	114	107	114	107	114
		Qelec (Daily electricity consumption)		kWh		4.480	6.860	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)		kWh		680	1,046	680	1,046	680	1,046
		ηwh (water heating efficiency)		%		151	161	151	161	151	161
		Qelec (Daily electricity consumption)		kWh		3.220	4.880	3.220	4.880	3.220	4.880

2 Specifications

1 - 1 ERGA04-08EV

Technical specifications				EHVX04S18E6V + ERGA04EV	EHVX04S23E6V + ERGA04EV	EHVX08S18E6V + ERGA06EV	EHVX08S23E6V + ERGA06EV	EHVX08S18E6V + ERGA08EV	EHVX08S23E6V + ERGA08EV
	Space heating	Average climate water outlet 55°C	General	Annual energy consumption kWh	3,769		4,405		4,939
				η _s (Seasonal space heating efficiency) %	129		128		131
				Prated at -10°C kW	6.0		7.0		8.0
				Q _{he} Annual energy consumption (GCV) GJ	13.6		15.9		17.8
				SCOP	3.29		3.28		3.35
				Seasonal space heating eff. class	A++				
			A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1.0				
				COPd	1.97		1.98		1.96
				Pdh kW	5.3		5.9		6.9
				PERd %	79				78
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0				
				COPd	3.23		3.16		3.20
				Pdh kW	3.3		3.9		4.4
				PERd %	129		126		128
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0				
				COPd	4.40		4.49		4.64
				Pdh kW	3.0				3.3
				PERd %	176		180		186
			D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0				
				COPd	6.10				6.22
				Pdh kW	3.3				4.1
				PERd %	244				249
			Tol (temperature operating limit)	COPd	1.37		1.53		1.64
				Pdh kW	4.0		5.4		7.1
				PERd %	55		61		66
				TOL °C	-10				
				WTOL °C	55				
			Rated heat output	Psup (at Tdesign -10°C) kW	2.0		1.6		0.9
			Tbiv (bivalent temperature)	COPd	1.97		2.12		1.90
				Pdh kW	5.3		6.1		7.5

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2 Specifications

1 - 1 ERGA04-08EV

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Technical specifications					EHVX04S18E6V + ERGA04EV	EHVX04S23E6V + ERGA04EV	EHVX08S18E6V + ERGA06EV	EHVX08S23E6V + ERGA06EV	EHVX08S18E6V + ERGA08EV	EHVX08S23E6V + ERGA08EV
Space heating	Average climate water outlet 55°C	Tbiv (bivalent temperature)	PERd	%	79		85		76	
			Tbiv	°C	-7		-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446		5,278		6,864	
			ηs (Seasonal space heating efficiency)	%	108		109		112	
			Prated at -22°C	kW	5.0		6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616		1,813		2,168	
			ηs (Seasonal space heating efficiency)	%	152		162		165	
			Prated at 2°C	kW	4.7		5.6		6.8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,729		3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	179		178		181	
			Prated at -10°C	kW	6.0		7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	9.82		11.5		12.9	
			SCOP		4.54		4.52		4.61	
			Seasonal space heating eff. class				A+++			
			A COPd		2.90		2.86		2.77	
			Condition (-7°CDB/-8°CWB) Pdh	kW	5.5		6.0		7.0	
			PERd	%	116		114		111	
			B Condition (2°CDB/1°CWB) Cdh (Degradation heating)				1.0			
			COPd		4.33		4.25		4.35	
			Pdh	kW	3.3		3.9		4.2	
			PERd	%	173		170		174	
			C Condition (7°CDB/6°CWB) Cdh (Degradation heating)				1.0			
			COPd		6.19		6.30		6.49	
			Pdh	kW		3.2			3.3	
			PERd	%	248		252		260	
			D Condition (12°CDB/11°CWB) Cdh (Degradation heating)				1.0			
			COPd			7.78			8.52	
			Pdh	kW		3.3			3.9	
			PERd	%		311			341	
	Tol (temperature operating limit)		COPd		2.56		2.49		2.41	
			Pdh	kW	5.2		6.0		6.9	
			PERd	%	102		100		96	
			TOL	°C			-10			
			WTOL	°C			35			
	Tbiv (bivalent temperature)		COPd		2.90		3.07		2.66	
			Pdh	kW	5.5		6.1		7.5	
			PERd	%	116		123		106	
Space heating	Average climate water outlet 35°C		Tbiv	°C	-7		-6		-8	
			Rated heat output							
	Cold climate water outlet 35°C	General	Psup (at Tdesign -10°C)	kW	0.8		1.0		1.1	
			Annual energy consumption	kWh	3,208		3,727		5,012	
			ηs (Seasonal space heating efficiency)	%	151		156		154	
	Warm climate water outlet 35°C	General	Prated at -22°C	kW	5.0		6.0		8.0	
			Annual energy consumption	kWh	1,095		1,232		1,393	
			ηs (Seasonal space heating efficiency)	%	251		257		266	
	Prated at 2°C			kW	5.2		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				EHVX04S18E6VG + ERGA04EV	EHVX04S23E6VG + ERGA04EV	EHVX08S18E6VG + ERGA06EV	EHVX08S23E6VG + ERGA06EV	EHVX08S18E6VG + ERGA08EV	EHVX08S23E6VG + ERGA08EV
Heating capacity	Nom.	kW		4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.	kW		4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	

2 Specifications


1 - 1 ERGA04-08EV

Technical specifications				EHVX04S18E6VG + ERGA04EV	EHVX04S23E6VG + ERGA04EV	EHVX08S18E6VG + ERGA06EV	EHVX08S23E6VG + ERGA06EV	EHVX08S18E6VG + ERGA08EV	EHVX08S23E6VG + ERGA08EV
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.	kW	0.810 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
	Domestic hot water from 10°C	Nom.	kWh	2.48	3.01	2.48	3.01	2.48	3.01
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER				5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Pump	Nominal	Cooling	kPa	54.6 (1) / 58.8 (2)		52.6 (1) / 56.7 (2)		51.1 (1) / 55.1 (2)	
	ESP unit	Heating	kPa	59.6 (1) / 58.6 (2)		52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water	Cooling	Nom. l/min	15.9 (1) / 13.0 (2)		17.1 (1) / 14.6 (2)		17.9 (1) / 15.6 (2)	
	flow rate	Heating	Nom. l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
		Water-to-water heat pump		No					
	LW(A) Sound power level	Indoor	dB(A)	42					
LW(A) Sound power level (according to EN14825)	Outdoor	dB(A)	58		60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Space heating general	Air to water unit	Rated airflow (outdoor)		2,280.0		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					
Space heating general	Integrated supplementary heater		Psup		6.0				
		Type of energy input		Electrical					
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267	820	1,267
		ηwh (water heating efficiency)	%	125	133	125	133	125	133
		Qelec (Daily electricity consumption)	kWh	3.870	5.900	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	951
	ηwh (water heating efficiency)		%	107	114	107	114	107	114
	Qelec (Daily electricity consumption)		kWh	4.480	6.860	4.480	6.860	4.480	6.860
	Warm climate		AEC (Annual electricity consumption)	kWh	680	1,046	680	1,046	680
		ηwh (water heating efficiency)	%	151	161	151	161	151	161
		Qelec (Daily electricity consumption)	kWh	3.220	4.880	3.220	4.880	3.220	4.880

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Technical specifications				EHVX04S18E6VG + ERGA04EV	EHVX04S23E6VG + ERGA04EV	EHVX08S18E6VG + ERGA06EV	EHVX08S23E6VG + ERGA06EV	EHVX08S18E6VG + ERGA08EV	EHVX08S23E6VG + ERGA08EV
<div></div> Space heating	Average climate water outlet 55°C	General	Annual energy consumption kWh	3,769		4,405		4,939	
			η _s (Seasonal space heating efficiency) %	129		128		131	
			Prated at -10°C kW	6.0		7.0		8.0	
			Q _{he} Annual energy consumption (GCV) GJ	13.6		15.9		17.8	
			SCOP	3.29		3.28		3.35	
			Seasonal space heating eff. class			A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1.0			
			COPd	1.97		1.98		1.96	
			Pdh kW	5.3		5.9		6.9	
			PERd %	79				78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0			
			COPd	3.23		3.16		3.20	
			Pdh kW	3.3		3.9		4.4	
			PERd %	129		126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0			
			COPd	4.40		4.49		4.64	
			Pdh kW	3.0				3.3	
			PERd %	176		180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0			
			COPd	6.10				6.22	
			Pdh kW	3.3				4.1	
			PERd %	244				249	
		Tol (temperature operating limit)	COPd	1.37		1.53		1.64	
			Pdh kW	4.0		5.4		7.1	
			PERd %	55		61		66	
			TOL °C			-10			
		WTOL °C			55				
		Rated heat output	Psup (at Tdesign -10°C) kW	2.0		1.6		0.9	
		Tbiv (bivalent temperature)	COPd	1.97		2.12		1.90	
			Pdh kW	5.3		6.1		7.5	

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Technical specifications					EHVX04S18E6VG + ERGA04EV	EHVX04S23E6VG + ERGA04EV	EHVX08S18E6VG + ERGA06EV	EHVX08S23E6VG + ERGA06EV	EHVX08S18E6VG + ERGA08EV	EHVX08S23E6VG + ERGA08EV
 Space heating	Average climate water outlet 55°C	Tbiv (bivalent temperature)	PERd Tbiv	% °C	79 -7		85 -6		76 -8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446		5,278		6,864	
			ηs (Seasonal space heating efficiency)	%	108		109		112	
			Prated at -22°C	kW	5.0		6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616		1,813		2,168	
			ηs (Seasonal space heating efficiency)	%	152		162		165	
			Prated at 2°C	kW	4.7		5.6		6.8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,729		3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	179		178		181	
			Prated at -10°C	kW	6.0		7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	9.82		11.5		12.9	
			SCOP		4.54		4.52		4.61	
			Seasonal space heating eff. class				A+++			
	A Condition (-7°CDB/-8°CWB)		COPd		2.90		2.86		2.77	
			Pdh	kW	5.5		6.0		7.0	
			PERd	%	116		114		111	
	B Condition (2°CDB/1°CWB)		Cdh (Degradation heating)				1.0			
			COPd		4.33		4.25		4.35	
			Pdh	kW	3.3		3.9		4.2	
			PERd	%	173		170		174	
	C Condition (7°CDB/6°CWB)		Cdh (Degradation heating)				1.0			
			COPd		6.19		6.30		6.49	
			Pdh	kW		3.2			3.3	
			PERd	%	248		252		260	
	D Condition (12°CDB/11°CWB)		Cdh (Degradation heating)				1.0			
			COPd			7.78			8.52	
			Pdh	kW		3.3			3.9	
			PERd	%		311			341	
	Tol (temperature operating limit)		COPd		2.56		2.49		2.41	
			Pdh	kW	5.2		6.0		6.9	
			PERd	%	102		100		96	
			TOL	°C			-10			
			WTOL	°C			35			
	Tbiv (bivalent temperature)		COPd		2.90		3.07		2.66	
			Pdh	kW	5.5		6.1		7.5	
			PERd	%	116		123		106	
 Space heating	Average climate water outlet 35°C	Tbiv (bivalent temperature)	Tbiv	°C	-7		-6		-8	
			Rated heat output							
			Psup (at Tdesign -10°C)	kW	0.8		1.0		1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208		3,727		5,012	
			ηs (Seasonal space heating efficiency)	%	151		156		154	
			Prated at -22°C	kW	5.0		6.0		8.0	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095		1,232		1,393	
			ηs (Seasonal space heating efficiency)	%	251		257		266	
			Prated at 2°C	kW	5.2		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 + ERGA06EV	EHVX08S23E9W + ERGA06EV	EHVX08S18E9W + ERGA08EV	EHVX08S23E9W + ERGA08EV
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)	

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Technical specifications					EHVX08S18E9W + ERGA06EV		EHVX08S23E9W + ERGA06EV		EHVX08S18E9W + ERGA08EV		EHVX08S23E9W + ERGA08EV		
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	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	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	Cooling	Nom.	l/min	17.1 (1) / 14.6 (2)				17.9 (1) / 15.6 (2)				
	flow rate	Heating	Nom.	l/min	17.2 (1) / 16.9 (2)				21.5 (1) / 22.4 (2)				
General	Supplier/Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium								
		Name or trademark			Daikin Europe N.V.								
	Product description	Air-to-water heat pump			Yes								
		Brine-to-water heat pump			No								
		Heat pump combination heater			Yes								
		Low-temperature heat pump			No								
		Supplementary heater integrated			Yes								
		Water-to-water heat pump			No								
	LW(A) Sound power level	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)			kW	0.000							
		Poff (Off mode)			kW	0.010							
		Psb (Standby mode)			kW	0.010							
		Pto (Thermostat off)			kW	0.010							
Domestic hot water heating	General	Declared load profile			L	XL			L	XL			
		Function to fix water heating during off peak hours			No								
Space heating general	Integrated supplementary heater	Psup		kW	9.0								
		Type of energy input			Electrical								
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)		kWh	820		1,267		820		1,267		
		ηwh (water heating efficiency)		%	125		133		125		133		
		Qelec (Daily electricity consumption)		kWh	3.870		5.900		3.870		5.900		
Domestic hot water heating	Average climate	Water heating energy efficiency class			A+								
		Cold climate	AEC (Annual electricity consumption)		kWh	951		1,475		951		1,475	
	ηwh (water heating efficiency)		%	107		114		107		114			
	Qelec (Daily electricity consumption)		kWh	4.480		6.860		4.480		6.860			
	Warm climate	AEC (Annual electricity consumption)		kWh	680		1,046		680		1,046		
		ηwh (water heating efficiency)		%	151		161		151		161		
		Qelec (Daily electricity consumption)		kWh	3.220		4.880		3.220		4.880		

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Technical specifications				EHVX08S18E9W + ERGA06EV	EHVX08S23E9W + ERGA06EV	EHVX08S18E9W + ERGA08EV	EHVX08S23E9W + ERGA08EV
	Space heating	Average climate water outlet 55°C	General	Annual energy consumption kWh	4,405		4,939
				ηs (Seasonal space heating efficiency) %	128		131
				Prated at -10°C kW	7.0		8.0
				Qhe Annual energy consumption (GCV) GJ	15.9		17.8
				SCOP	3.28		3.35
				Seasonal space heating eff. class	A++		
			A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1.0		
				COPd	1.98		1.96
				Pdh kW	5.9		6.9
				PERd %	79		78
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0		
				COPd	3.16		3.20
				Pdh kW	3.9		4.4
				PERd %	126		128
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0		
				COPd	4.49		4.64
				Pdh kW	3.0		3.3
				PERd %	180		186
			D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0		
				COPd	6.10		6.22
				Pdh kW	3.3		4.1
				PERd %	244		249
			Tol (temperature operating limit)	COPd	1.53		1.64
				Pdh kW	5.4		7.1
				PERd %	61		66
				TOL °C	-10		
				WTOL °C	55		
			Rated heat output	Psup (at Tdesign -10°C) kW	1.6		0.9
			Tbiv (bivalent temperature)	COPd	2.12		1.90
				Pdh kW	6.1		7.5

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Technical specifications					EHVX08S18E9W + ERGA06EV	EHVX08S23E9W + ERGA06EV	EHVX08S18E9W + ERGA08EV	EHVX08S23E9W + ERGA08EV
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 COPd		2.86		2.77	
			Condition Pdh	kW	6.0		7.0	
			(-7°CDB/-8°CWB) PERd	%	114		111	
			B Condition Cdh (Degradation heating)		1.0			
			(2°CDB/1°CWB) COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170		174	
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
			PERd	%	252		260	
			D Condition Cdh (Degradation heating)		1.0			
	(12°CDB/11°CWB)	COPd	Pdh	kW	7.78		8.52	
			PERd	%	311		341	
			Tol (temperature operating limit) COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
	Tbiv (bivalent temperature)	COPd	PERd	%	100		96	
			TOL	°C		-10		
			WTOL	°C		35		
			COPd		3.07		2.66	
	35°C	Rated heat output	Pdh	kW	6.1		7.5	
			PERd	%	123		106	
Space heating	Average climate water outlet 35°C	Tbiv (bivalent temperature)	Tbiv	°C	-6		-8	
	Cold climate water outlet 35°C	General	Psup (at Tdesign -10°C)	kW	1.0		1.1	
			Annual energy consumption	kWh	3,727		5,012	
			ηs (Seasonal space heating efficiency)	%	156		154	
	Warm climate water outlet 35°C	General	Prated at -22°C	kW	6.0		8.0	
			Annual energy consumption	kWh	1,232		1,393	
			ηs (Seasonal space heating efficiency)	%	257		266	
	35°C	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	EHVZ08S18E6V + ERGA06EV	EHVZ08S23E6V + ERGA06EV	EHVZ08S18E6V + ERGA08EV	EHVZ08S23E6V + ERGA08EV
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	

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Technical specifications				EHVZ04S18E6V + ERGA04EV		EHVZ08S18E6V + ERGA06EV		EHVZ08S23E6V + ERGA06EV		EHVZ08S18E6V + ERGA08EV		EHVZ08S23E6V + ERGA08EV	
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)				1.63 (1) / 2.23 (2)			
	Domestic hot water from 10°C	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				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)				4.60 (1) / 3.50 (2)			
Pump	Nominal ESP unit	Heating	kPa	59.6 (1) / 58.6 (2)		52.4 (1) / 52.9 (2)				43.3 (1) / 41.2 (2)			
Water side Heat exchanger	Water flow rate	Heating	Nom. l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)				21.5 (1) / 22.4 (2)			
General	Supplier/Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium									
		Name or trademark		Daikin Europe N.V.									
	Product description	Air-to-water heat pump		Yes									
		Brine-to-water heat pump		No									
		Heat pump combination heater		Yes									
		Low-temperature heat pump		No									
		Supplementary heater integrated		Yes									
		Water-to-water heat pump		No									
	LW(A) Sound power level	Indoor	dB(A)	42									
LW(A) Sound power level (according to EN14825)	Outdoor	dB(A)	58		60				62				
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825									
Space heating general	Air to water unit	Rated airflow (outdoor)	m³/h	2,280.0		2,520.0				2,770.0			
	Other	Capacity control		Inverter									
		Pck (Crankcase heater mode)	kW	0.000									
		Poff (Off mode)	kW	0.010									
		Psb (Standby mode)	kW	0.010									
		Pto (Thermostat off)	kW	0.010									
Domestic hot water heating	General	Declared load profile		L		XL		L		XL			
		Function to fix water heating during off peak hours		No									
Space heating general	Integrated supplementary heater	Psup	kW	6.0									
		Type of energy input		Electrical									
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	820		1,267		820		1,267			
		ηwh (water heating efficiency)	%	125		133		125		133			
		Qelec (Daily electricity consumption)	kWh	3.870		5.900		3.870		5.900			
		Water heating energy efficiency class		A+									
	Cold climate	AEC (Annual electricity consumption)	kWh	951		1,475		951		1,475			
		ηwh (water heating efficiency)	%	107		114		107		114			
		Qelec (Daily electricity consumption)	kWh	4.480		6.860		4.480		6.860			
	Warm climate	AEC (Annual electricity consumption)	kWh	680		1,046		680		1,046			
	Domestic hot water heating	Warm climate	ηwh (water heating efficiency)	%	151		161		151		161		
Qelec (Daily electricity consumption)			kWh	3.220		4.880		3.220		4.880			

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Technical specifications				EHVZ04S18E6V + ERGA04EV	EHVZ08S18E6V + ERGA06EV	EHVZ08S23E6V + ERGA06EV	EHVZ08S18E6V + ERGA08EV	EHVZ08S23E6V + ERGA08EV
Space heating	Average climate water outlet 55°C	General	Annual energy consumption kWh	3,806	4,441		4,975	
			η _s (Seasonal space heating efficiency) %		127		130	
			Prated at -10°C kW	6.0	7.0		8.0	
			Q _{he} Annual energy consumption (GCV) GJ	13.7	16.0		17.9	
			SCOP		3.26		3.32	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0			
			COPd	1.97	1.98		1.96	
			Pdh kW	5.3	5.9		6.9	
			PERd %		79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd	3.23	3.16		3.20	
			Pdh kW	3.3	3.9		4.4	
			PERd %	129	126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd	4.40	4.49		4.64	
			Pdh kW		3.0		3.3	
			PERd %	176	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.10		6.22	
			Pdh kW		3.3		4.1	
			PERd %		244		249	
		Tol (temperature operating limit)	COPd	1.37	1.53		1.64	
			Pdh kW	4.0	5.4		7.1	
			PERd %	55	61		66	
			TOL °C		-10			
			WTOL °C		55			
		Rated heat output T _{biv} (bivalent temperature)	Psup (at T _{design} -10°C) kW	2.0	1.6		0.9	
			COPd	1.97	2.12		1.90	
			Pdh kW	5.3	6.1		7.5	
			PERd %	79	85		76	
		Cold climate water outlet 55°C	T _{biv} °C	-7	-6		-8	
			Annual energy consumption kWh	4,468	5,300		6,886	
			η _s (Seasonal space heating efficiency) %	107	109		112	
			Prated at -22°C kW	5.0	6.0		8.0	

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Technical specifications					EHVZ04S18E6V + ERGA04EV	EHVZ08S18E6V + ERGA06EV	EHVZ08S23E6V + ERGA06EV	EHVZ08S18E6V + ERGA08EV	EHVZ08S23E6V + ERGA08EV	
 Space heating	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	1,858		2,213		
			ηs (Seasonal space heating efficiency)	%	148	158		161		
			Prated at 2°C	kW	4.7	5.6		6.8		
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,766	3,233		3,625		
			ηs (Seasonal space heating efficiency)	%	176				179	
			Prated at -10°C	kW	6.0	7.0		8.0		
			Qhe Annual energy consumption (GCV)	Gj	9.96	11.6		13.1		
			SCOP		4.48	4.47		4.56		
			Seasonal space heating eff. class		A+++					
	A Condition (-7°CDB/-8°CWB)		COPd		2.90	2.86		2.77		
			Pdh	kW	5.5	6.0		7.0		
			PERd	%	116	114		111		
	B Condition (2°CDB/1°CWB)		Cdh (Degradation heating)		1.0					
			COPd		4.33	4.25		4.35		
			Pdh	kW	3.3	3.9		4.2		
			PERd	%	173	170		174		
			Cdh (Degradation heating)		1.0					
			COPd		6.19	6.30		6.49		
	C Condition (7°CDB/6°CWB)		Pdh	kW	3.2				3.3	
			PERd	%	248	252		260		
			Cdh (Degradation heating)		1.0					
	D Condition (12°CDB/11°CWB)		COPd		7.78				8.52	
			Pdh	kW	3.3				3.9	
			PERd	%	311				341	
	Tol (temperature operating limit)		COPd		2.56	2.49		2.41		
			Pdh	kW	5.2	6.0		6.9		
			PERd	%	102	100		96		
			TOL	°C	-10					
			WTOL	°C	35					
			COPd		2.90	3.07		2.66		
	Tbiv (bivalent temperature)		Pdh	kW	5.5	6.1		7.5		
			PERd	%	116	123		106		
			Tbiv	°C	-7	-6		-8		
	Rated heat output		Psup (at Tdesign -10°C)	kW	0.8	1.0		1.1		
			Annual energy consumption	kWh	3,230	3,749		5,034		
			ηs (Seasonal space heating efficiency)	%	150	155		154		
	Cold climate water outlet 35°C	General	Prated at -22°C	kW	5.0	6.0		8.0		
			Annual energy consumption	kWh	1,139	1,276		1,437		
			ηs (Seasonal space heating efficiency)	%	241	248		257		
 Space heating	Warm climate water outlet 35°C	General	Prated at 2°C	kW	5.2	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 + ERGA06EV	EHVZ08S23E9W + ERGA06EV	EHVZ08S18E9W + ERGA08EV	EHVZ08S23E9W + ERGA08EV
Heating capacity	Nom.			kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Domestic hot water from 10°C	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)	
Pump				kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger				l/min	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	

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Technical specifications				EHVZ08S18E9W + ERGA06EV	EHVZ08S23E9W + ERGA06EV	EHVZ08S18E9W + ERGA08EV	EHVZ08S23E9W + ERGA08EV	
General	Supplier/ Manufacturer	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	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				
Space heating general	Integrated supplementary heater	Psup kW		9.0				
		Type of energy input		Electrical				
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267	
		ηwh (water heating efficiency)	%	125	133	125	133	
		Qelec (Daily electricity consumption)	kWh	3.870	5.900	3.870	5.900	
		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

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Technical specifications				EHVZ08S18E9W + ERGA06EV	EHVZ08S23E9W + ERGA06EV	EHVZ08S18E9W + ERGA08EV	EHVZ08S23E9W + ERGA08EV
	Space heating Average climate water outlet 55°C	General	Annual energy consumption kWh	4,441		4,975	
			η _s (Seasonal space heating efficiency) %	127		130	
			Prated at -10°C kW	7.0		8.0	
			Q _{he} Annual energy consumption (GCV) GJ	16.0		17.9	
			SCOP	3.26		3.32	
			Seasonal space heating eff. class	A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1.0			
			COPd	1.98		1.96	
			Pdh kW	5.9		6.9	
			PERd %	79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0			
			COPd	3.16		3.20	
			Pdh kW	3.9		4.4	
			PERd %	126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0			
			COPd	4.49		4.64	
			Pdh kW	3.0		3.3	
			PERd %	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0			
			COPd	6.10		6.22	
			Pdh kW	3.3		4.1	
			PERd %	244		249	
		Tol (temperature operating limit)	COPd	1.53		1.64	
			Pdh kW	5.4		7.1	
			PERd %	61		66	
			TOL °C	-10			
			WTOL °C	55			
	Rated heat output T _{biv} (bivalent temperature)	General	P _{sup} (at T _{design} -10°C) kW	1.6		0.9	
			COPd	2.12		1.90	
			Pdh kW	6.1		7.5	
			PERd %	85		76	
			T _{biv} °C	-6		-8	
			Annual energy consumption kWh	5,300		6,886	
	Cold climate water outlet 55°C	General	η _s (Seasonal space heating efficiency) %	109		112	
			Prated at -22°C kW	6.0		8.0	

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Technical specifications					EHVZ08S18E9W + ERGA06EV	EHVZ08S23E9W + ERGA06EV	EHVZ08S18E9W + ERGA08EV	EHVZ08S23E9W + ERGA08EV
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	
Average climate water outlet 35°C	General	Annual energy consumption	Prated at 2°C	kW	5.6		6.8	
			η_s (Seasonal space heating efficiency)	%	3,233		3,625	
Average climate water outlet 35°C	General	Annual energy consumption	η_s (Seasonal space heating efficiency)	%	176		179	
			Prated at -10°C	kW	7.0		8.0	
Average climate water outlet 35°C	General	Annual energy consumption	Q _{he} Annual energy consumption (GCV)	Gj	11.6		13.1	
			SCOP		4.47		4.56	
Average climate water outlet 35°C	General	Annual energy consumption	Seasonal space heating eff. class		A+++			
			COPd		2.86		2.77	
Condition (-7°CDB/-8°CWB)	General	Annual energy consumption	Pdh	kW	6.0		7.0	
			PERd	%	114		111	
Condition (2°CDB/1°CWB)	General	Annual energy consumption	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
Condition (7°CDB/6°CWB)	General	Annual energy consumption	Pdh	kW	3.9		4.2	
			PERd	%	170		174	
Condition (12°CDB/11°CWB)	General	Annual energy consumption	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
Condition (12°CDB/11°CWB)	General	Annual energy consumption	Pdh	kW	3.2		3.3	
			PERd	%	252		260	
Condition (12°CDB/11°CWB)	General	Annual energy consumption	Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
Condition (12°CDB/11°CWB)	General	Annual energy consumption	Pdh	kW	3.3		3.9	
			PERd	%	311		341	
Condition (12°CDB/11°CWB)	General	Annual energy consumption	COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
Condition (12°CDB/11°CWB)	General	Annual energy consumption	PERd	%	100		96	
			TOL	°C	-10			
Condition (12°CDB/11°CWB)	General	Annual energy consumption	WTOL	°C	35			
			COPd		3.07		2.66	
Condition (12°CDB/11°CWB)	General	Annual energy consumption	Pdh	kW	6.1		7.5	
			PERd	%	123		106	
Condition (12°CDB/11°CWB)	General	Annual energy consumption	Tbiv	°C	-6		-8	
			Psup (at Tdesign -10°C)	kW	1.0		1.1	
Cold climate water outlet 35°C	General	Annual energy consumption	Annual energy consumption	kWh	3,749		5,034	
			η_s (Seasonal space heating efficiency)	%	155		154	
Cold climate water outlet 35°C	General	Annual energy consumption	Prated at -22°C	kW	6.0		8.0	
			η_s (Seasonal space heating efficiency)	%	248		257	
Cold climate water outlet 35°C	General	Annual energy consumption	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					EHS04P30D3 + ERGA04EV	EHS08P30D3 + ERGA06EV	EHS08P50D3 + ERGA06EV	EHS08P30D3 + ERGA08EV	EHS08P50D3 + ERGA08EV
Indoor unit					EHS04P30DA3	EHS08P30DA3	EHS08P50DA3	EHS08P30DA3	EHS08P50DA3
Outdoor unit					ERGA04EAV3	ERGA06EAV3	ERGA08EAV3	ERGA08EAV3	ERGA08EAV3
Heating capacity	Nom.		kW		4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)	7.50 (1) / 7.80 (2)	7.50 (1) / 7.80 (2)
Power input	Heating	Nom.	kW		0.840 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)	1.63 (1) / 2.23 (2)	1.63 (1) / 2.23 (2)
COP					5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
Pump					Grundfos UPM3K 25-75 CHBL				
Type									
Nominal ESP unit					66.0 (1) / 65.0 (2)	57.4 (1) / 58.1 (2)	42.7 (1) / 38.7 (2)	42.7 (1) / 38.7 (2)	42.7 (1) / 38.7 (2)
Water side Heat exchanger					12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)	21.5 (1) / 22.4 (2)	21.5 (1) / 22.4 (2)
Water flow rate									

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Technical specifications				EHS04P30D3 + ERGA04EV	EHS08P30D3 + ERGA06EV	EHS08P50D3 + ERGA06EV	EHS08P30D3 + ERGA08EV	EHS08P50D3 + ERGA08EV
General	Supplier/ Manufacturer	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	Indoor	dB(A)	39				
LW(A) Sound power level (according to EN14825)	Outdoor	dB(A)	58	60		62		
Sound condition Ecodesign and energy label			Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Space heating general	Air to water unit	Rated airflow (outdoor)	m³/h	2,280	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	Type of energy input		Electrical				
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	888		1,584	888	1,584
		COPdhw		2.76		2.57	2.76	2.57
		Heat up time		1h 23min		2h 47min	1h 23min	2h 47min
		Mixed water at 40°C	l	137.0		237.0	137.0	237.0
		ηwh (water heating efficiency)	%	115		106	115	106
		Qelec (Daily electricity consumption)	kWh	4.219		7.426	4.219	7.426
		Reference hot water temperature	°C	44.5		45.2	44.5	45.2
		Stand-by power input	W	31.7		38.2	31.7	38.2
Domestic hot water heating	Average climate	Water heating energy efficiency class		A+		A	A+	A
	Cold climate	AEC (Annual electricity consumption)	kWh	1,024		1,992	1,024	1,992
		COPdhw		2.41		2.05	2.41	2.05
		Mixed water at 40°C	l	137.0		237.0	137.0	237.0
		ηwh (water heating efficiency)	%	100		84	100	84
		Qelec (Daily electricity consumption)	kWh	4.839		9.299	4.839	9.299
		Reference hot water temperature	°C	44.5		45.2	44.5	45.2
		Warm climate	AEC (Annual electricity consumption)	kWh	845		1,403	845
	COPdhw		2.90		2.88	2.90	2.88	
	Mixed water at 40°C		l	137.0		237.0	137.0	237.0
	ηwh (water heating efficiency)		%	121		119	121	119
	Qelec (Daily electricity consumption)		kWh	4.023		6.615	4.023	6.615
	Reference hot water temperature		°C	44.5		45.2	44.5	45.2

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Technical specifications				EHS04P30D3 + ERGA04EV	EHS08P30D3 + ERGA06EV	EHS08P50D3 + ERGA06EV	EHS08P30D3 + ERGA08EV	EHS08P50D3 + ERGA08EV	
<div>Space heating</div> <div></div> <div>Average climate water outlet 55°C</div>	General	Annual energy consumption	kWh	3,806	4,441		4,975		
		ns (Seasonal space heating efficiency)	%	127					130
		Prated at -10°C	kW	6	7		8		
		Qhe Annual energy consumption (GCV)	Gj	14	16		18		
		SCOP		3.26				3.32	
		Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1.0					
			COPd	1.97	1.98		1.96		
			Pdh kW	5.3	5.9		6.9		
			PERd %	78.8	79.2		78.4		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0					
			COPd	3.23	3.16		3.20		
			Pdh kW	3.3	3.9		4.4		
			PERd %	129.2	126.4		128.0		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0					
			COPd	4.40	4.49		4.64		
			Pdh kW	3.0				3.3	
			PERd %	176.0	179.6		185.6		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0					
			COPd	6.10				6.22	
			Pdh kW	3.3				4.1	
			PERd %	244.0				248.8	
Tol (temperature operating limit)	COPd	1.37	1.53		1.64				
	Pdh kW	4.0	5.4		7.1				

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Technical specifications					EHS04P30D3 + ERGA04EV	EHS08P30D3 + ERGA06EV	EHS08P50D3 + ERGA06EV	EHS08P30D3 + ERGA08EV	EHS08P50D3 + ERGA08EV			
<div></div> Space heating	Average climate water outlet 55°C	Tol (temperature operating limit)	PERd	%	54.8	61.2		65.6				
			TOL	°C	-10							
			WTOL	°C	55							
		Rated heat output	Psup (at Tdesign -10°C)	kW	2.0	1.6		1.0				
					1.97	2.12		1.90				
					5.3	6.1		7.5				
					78.8	84.8		76.0				
					-7	-6		-8				
	Tbiv (bivalent temperature)	COPd	kW	1.97	2.12		1.90					
				5.3	6.1		7.5					
				78.8	84.8		76.0					
				-7	-6		-8					
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468	5,300		6,886				
					ηs (Seasonal space heating efficiency)	%	107	109		112		
					Prated at -22°C	kW	5	6		8		
					Qhe Annual energy consumption (GCV)	Gj	16	19		25		
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	1,858		2,213				
					ηs (Seasonal space heating efficiency)	%	148	158		161		
					Prated at 2°C	kW	5	6		7		
					Qhe Annual energy consumption (GCV)	Gj	6	7		8		
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,766	3,233		3,625				
					ηs (Seasonal space heating efficiency)	%	176		179			
					Prated at -10°C	kW	6	7		8		
					Qhe Annual energy consumption (GCV)	Gj	10	12		13		
					SCOP		4.48	4.47		4.56		
					Seasonal space heating eff. class		A+++					
			A Condition (-7°CDB/-8°CWB)	COPd	kW	2.90	2.86		2.77			
						5.5	6.0		7.0			
						116.0	114.4		110.8			
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0						
						4.33	4.25		4.35			
						3.3	3.9		4.2			
						173.2	170.0		174.0			
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)					1.0					
			6.19	6.30			6.49					
			3.2	3.3			3.9					
			247.6	252.0			259.6					
D Condition (12°CDB/11°CWB)			Cdh (Degradation heating)		1.0							
	7.78	8.52			3.9							
	3.3	3.9			3.9							
	311.2	340.8			340.8							

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Technical specifications				EHSB04P30D3 + ERGA04EV	EHSB08P30D3 + ERGA06EV	EHSB08P50D3 + ERGA06EV	EHSB08P30D3 + ERGA08EV	EHSB08P50D3 + ERGA08EV
Space heating	Average climate water outlet 35°C	Tol (temperature operating limit)	COPd	2.56		2.49		2.41
			Pdh kW	5.2		6.0		6.9
			PERd %	102.4		99.6		96.4
			TOL °C			-10		
			WTOL °C			35		
			Tbiv (bivalent temperature)					
			COPd	2.90		3.07		2.66
			Pdh kW	5.5		6.1		7.5
			PERd %	116.0		122.8		106.4
			Tbiv °C	-7		-6		-8
Cold climate water outlet 35°C	General	Rated heat output	Psup (at Tdesign -10°C) kW	0.8		1.0		1.1
			Annual energy consumption kWh	3,230		3,749		5,034
			ηs (Seasonal space heating efficiency) %	150		155		154
			Prated at -22°C kW	5		6		8
			Qhe Annual energy consumption (GCV) GJ	12		13		18
			Annual energy consumption kWh	1,139		1,276		1,437
			ηs (Seasonal space heating efficiency) %	241		248		257
			Prated at 2°C kW	5		6		7
			Qhe Annual energy consumption (GCV) GJ	4		5		
			Annual energy consumption kWh					
Warm climate water outlet 35°C	General	Rated heat output	Psup (at Tdesign -10°C) kW	0.8		1.0		1.1
			Annual energy consumption kWh	3,230		3,749		5,034
			ηs (Seasonal space heating efficiency) %	150		155		154
			Prated at -22°C kW	5		6		8
			Qhe Annual energy consumption (GCV) GJ	12		13		18
			Annual energy consumption kWh	1,139		1,276		1,437
			ηs (Seasonal space heating efficiency) %	241		248		257
			Prated at 2°C kW	5		6		7
			Qhe Annual energy consumption (GCV) GJ	4		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				EHSB04P30D3 + ERGA04EV	EHSB08P30D3 + ERGA06EV	EHSB08P50D3 + ERGA06EV	EHSB08P30D3 + ERGA08EV	EHSB08P50D3 + ERGA08EV
Indoor unit				EHSB04P30DA3	EHSB08P30DA3	EHSB08P50DA3	EHSB08P30DA3	EHSB08P50DA3
Outdoor unit				ERGA04EAV3	ERGA06EAV3	ERGA06EAV3	ERGA08EAV3	ERGA08EAV3
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)	7.50 (1) / 7.80 (2)
Power input	Heating	Nom.	kW	0.840 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)	1.63 (1) / 2.23 (2)
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
Pump	Type			Grundfos UPM3K 25-75 CHBL				
	Nominal ESP unit	Heating	kPa	66.0 (1) / 65.0 (2)	57.4 (1) / 58.1 (2)	57.4 (1) / 58.1 (2)	42.7 (1) / 38.7 (2)	42.7 (1) / 38.7 (2)
Water side Heat exchanger	Water flow rate	Heating	Nom. l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)	21.5 (1) / 22.4 (2)
	General			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium				
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	Indoor	dB(A)	39				
	LW(A) Sound power level (according to EN14825)	Outdoor	dB(A)	58	60	60	62	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	2,280	2,520	2,520	2,770	2,770
		Capacity control		Inverter				
	Other	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				
		Declared load profile		L	XL	XL	L	XL
Domestic hot water heating	General	Function to fix water heating during off peak hours		No				
		Type of energy input		Electrical				
Space heating general	Integrated supplementary	Type of energy input		Electrical				

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Technical specifications				EHSB04P30D3 + ERGA04EV	EHSB08P30D3 + ERGA06EV	EHSB08P50D3 + ERGA06EV	EHSB08P30D3 + ERGA08EV	EHSB08P50D3 + ERGA08EV
Domestic hot water heating 	Average climate	AEC (Annual electricity consumption)	kWh	888		1,521	888	1,521
		COPdhw		2.76		2.66	2.76	2.66
		Heat up time		1h 23min		2h 29min	1h 23min	2h 29min
		Mixed water at 40°C	l	137.0		211.0	137.0	211.0
		η _{wh} (water heating efficiency)	%	115		110	115	110
		Q _{elec} (Daily electricity consumption)	kWh	4.219		7.156	4.219	7.156
		Reference hot water temperature	°C	44.5		45.0	44.5	45.0
		Stand-by power input	W	31.7		42.0	31.7	42.0
Domestic hot water heating 	Average climate	Water heating energy efficiency class		A+		A	A+	A
		AEC (Annual electricity consumption)	kWh	1,024		1,862	1,024	1,862
	Cold climate	COPdhw		2.41		2.19	2.41	2.19
		Mixed water at 40°C	l	137.0		211.0	137.0	211.0
		η _{wh} (water heating efficiency)	%	100		90	100	90
		Q _{elec} (Daily electricity consumption)	kWh	4.839		8.713	4.839	8.713
		Reference hot water temperature	°C	44.5		45.0	44.5	45.0
	Warm climate	AEC (Annual electricity consumption)	kWh	845		1,343	845	1,343
		COPdhw		2.90		3.00	2.90	3.00
		Mixed water at 40°C	l	137.0		211.0	137.0	211.0
		η _{wh} (water heating efficiency)	%	121		125	121	125
		Q _{elec} (Daily electricity consumption)	kWh	4.023		6.346	4.023	6.346
		Reference hot water temperature	°C	44.5		45.0	44.5	45.0
Space heating 	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806	4,441		4,975
			η _s (Seasonal space heating efficiency)	%		127		130
		Prated at -10°C	kW	6	7		8	
			Gj	14	16		18	
		SCOP			3.26		3.32	
		Seasonal space heating eff. class				A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1.0		
			COPd	1.97	1.98		1.96	
			Pdh	5.3	5.9		6.9	
			PERd	78.8	79.2		78.4	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0		
			COPd	3.23	3.16		3.20	
			Pdh	3.3	3.9		4.4	
			PERd	129.2	126.4		128.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0		
			COPd	4.40	4.49		4.64	
			Pdh		3.0		3.3	
			PERd	176.0	179.6		185.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0		
			COPd		6.10		6.22	
			Pdh		3.3		4.1	
			PERd		244.0		248.8	
		Tol (temperature operating limit)	COPd	1.37	1.53		1.64	
			Pdh	4.0	5.4		7.1	

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Technical specifications				EHSB04P30D3 + ERGA04EV	EHSB08P30D3 + ERGA06EV	EHSB08P50D3 + ERGA06EV	EHSB08P30D3 + ERGA08EV	EHSB08P50D3 + ERGA08EV
Space heating	Average climate water outlet 55°C	Tol (temperature operating limit)	PERd	%	54.8	61.2	65.6	
			TOL	°C		-10		
			WTOL	°C		55		
			Rated heat output	Psup (at Tdesign -10°C)	2.0	1.6	1.0	
		Tbiv (bivalent temperature)	COPd		1.97	2.12	1.90	
			Pdh	kW	5.3	6.1	7.5	
			PERd	%	78.8	84.8	76.0	
			Tbiv	°C	-7	-6	-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468	5,300	6,886	
			ηs (Seasonal space heating efficiency)	%	107	109	112	
			Prated at -22°C	kW	5	6	8	
			Qhe Annual energy consumption (GCV)	Gj	16	19	25	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	1,858	2,213	
			ηs (Seasonal space heating efficiency)	%	148	158	161	
			Prated at 2°C	kW	5	6	7	
			Qhe Annual energy consumption (GCV)	Gj	6	7	8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,766	3,233	3,625	
			ηs (Seasonal space heating efficiency)	%		176	179	
			Prated at -10°C	kW	6	7	8	
			Qhe Annual energy consumption (GCV)	Gj	10	12	13	
			SCOP		4.48	4.47	4.56	
			Seasonal space heating eff. class			A+++		
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86	2.77	
			Pdh	kW	5.5	6.0	7.0	
			PERd	%	116.0	114.4	110.8	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0		
			COPd		4.33	4.25	4.35	
			Pdh	kW	3.3	3.9	4.2	
			PERd	%	173.2	170.0	174.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0		
			COPd		6.19	6.30	6.49	
			Pdh	kW		3.2	3.3	
			PERd	%	247.6	252.0	259.6	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0		
			COPd			7.78	8.52	
			Pdh	kW		3.3	3.9	
			PERd	%		311.2	340.8	

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Technical specifications				EHS HB04P30D3 + ERGA04EV	EHS HB08P30D3 + ERGA06EV	EHS HB08P50D3 + ERGA06EV	EHS HB08P30D3 + ERGA08EV	EHS HB08P50D3 + ERGA08EV
Space heating 	Average climate water outlet 35°C	Tol (temperature operating limit)	COPd	2.56	2.49		2.41	
			Pdh kW	5.2	6.0		6.9	
			PERd %	102.4	99.6		96.4	
			TOL °C			-10		
			WTOL °C			35		
			Tbiv (bivalent temperature)					
	Cold climate water outlet 35°C	General	COPd	2.90	3.07		2.66	
			Pdh kW	5.5	6.1		7.5	
			PERd %	116.0	122.8		106.4	
			Tbiv °C	-7	-6		-8	
			Rated heat output					
			Psup (at Tdesign -10°C) kW	0.8	1.0		1.1	
	Warm climate water outlet 35°C	General	Annual energy consumption kWh	3,230	3,749		5,034	
			ηs (Seasonal space heating efficiency) %	150	155		154	
			Prated at -22°C kW	5	6		8	
			Qhe Annual energy consumption (GCV) GJ	12	13		18	
			Annual energy consumption kWh	1,139	1,276		1,437	
			ηs (Seasonal space heating efficiency) %	241	248		257	
			Prated at 2°C kW	5	6		7	
			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				EHSX04P30D3 + ERGA04EV	EHSX04P50D3 + ERGA04EV	EHSX08P30D3 + ERGA06EV	EHSX08P50D3 + ERGA06EV	EHSX08P30D3 + ERGA08EV	EHSX08P50D3 + ERGA08EV
Indoor unit				EHSX04P30DA3	EHSX04P50DA3	EHSX08P30DA3	EHSX08P50DA3	EHSX08P30DA3	EHSX08P50DA3
Outdoor unit				ERGA04EAV3		ERGA06EAV3		ERGA08EAV3	
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)	
Cooling capacity	Nom.		kW	4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)	
Power input	Heating	Nom.	kW	0.840 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.	kW	0.810 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)	
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)	
EER				5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)	
Pump	Type			Grundfos UPM3K 25-75 CHBL					
	Nominal	Cooling	kPa	64.1 (1) / 65.3 (2)		57.6 (1) / 63.0 (2)		55.5 (1) / 61.1 (2)	
Water side Heat exchanger	ESP unit	Heating	kPa	66.0 (1) / 65.0 (2)		57.4 (1) / 58.1 (2)		42.7 (1) / 38.7 (2)	
	Water flow rate	Cooling	Nom. l/min	13.9 (1) / 13.0 (2)		17.1 (1) / 14.6 (2)		17.9 (1) / 15.6 (2)	
	Heating	Nom. l/min		12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
	General	Supplier/Manufacturer details	Name and address 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					
		Water-to-water heat pump		No					
	LW(A) Sound power level	Indoor	dB(A)	39					
LW(A) Sound power level (according to EN14825)		Outdoor	dB(A)	58		60		62	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Space heating general	Air to water unit	Rated airflow (outdoor)	m³/h	2,280		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
		Function to fix water heating during off peak hours		No					
Space heating general	Integrated supplementary	Type of energy input		Electrical					

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Technical specifications				EHSX04P30D3 + ERGA04EV	EHSX04P50D3 + ERGA04EV	EHSX08P30D3 + ERGA06EV	EHSX08P50D3 + ERGA06EV	EHSX08P30D3 + ERGA08EV	EHSX08P50D3 + ERGA08EV
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	888	1,584	888	1,584	888	1,584
		COPdhw		2.76	2.57	2.76	2.57	2.76	2.57
		Heat up time		1h 23min	2h 47min	1h 23min	2h 47min	1h 23min	2h 47min
		Mixed water at 40°C	l	137.0	237.0	137.0	237.0	137.0	237.0
	Average climate	η _{wh} (water heating efficiency)	%	115	106	115	106	115	106
		Q _{elec} (Daily electricity consumption)	kWh	4.219	7.426	4.219	7.426	4.219	7.426
		Reference hot water temperature	°C	44.5	45.2	44.5	45.2	44.5	45.2
		Stand-by power input	W	31.7	38.2	31.7	38.2	31.7	38.2
		Water heating energy efficiency class		A+	A	A+	A	A+	A
Domestic hot water heating	Cold climate	AEC (Annual electricity consumption)	kWh	1,024	1,992	1,024	1,992	1,024	1,992
		COPdhw		2.41	2.05	2.41	2.05	2.41	2.05
		Mixed water at 40°C	l	137.0	237.0	137.0	237.0	137.0	237.0
		η _{wh} (water heating efficiency)	%	100	84	100	84	100	84
		Q _{elec} (Daily electricity consumption)	kWh	4.839	9.299	4.839	9.299	4.839	9.299
		Reference hot water temperature	°C	44.5	45.2	44.5	45.2	44.5	45.2
	Warm climate	AEC (Annual electricity consumption)	kWh	845	1,403	845	1,403	845	1,403
		COPdhw		2.90	2.88	2.90	2.88	2.90	2.88
		Mixed water at 40°C	l	137.0	237.0	137.0	237.0	137.0	237.0
		η _{wh} (water heating efficiency)	%	121	119	121	119	121	119
		Q _{elec} (Daily electricity consumption)	kWh	4.023	6.615	4.023	6.615	4.023	6.615
		Reference hot water temperature	°C	44.5	45.2	44.5	45.2	44.5	45.2
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769		4,405		4,939
			η _s (Seasonal space heating efficiency)	%	129		128		131
		Prated at -10°C	kW	6		7		8	
			Gj	14		16		18	
		SCOP		3.29		3.28		3.35	
			Seasonal space heating eff. class			A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1.0			
			COPd	1.97		1.98		1.96	
			Pdh kW	5.3		5.9		6.9	
			PERd %	78.8		79.2		78.4	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0			
			COPd	3.23		3.16		3.20	
			Pdh kW	3.3		3.9		4.4	
			PERd %	129.2		126.4		128.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0			
			COPd	4.40		4.49		4.64	
			Pdh kW		3.0			3.3	
			PERd %	176.0		179.6		185.6	
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)				1.0			

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Technical specifications				EHSX04P30D3 + ERGA04EV	EHSX04P50D3 + ERGA04EV	EHSX08P30D3 + ERGA06EV	EHSX08P50D3 + ERGA06EV	EHSX08P30D3 + ERGA08EV	EHSX08P50D3 + ERGA08EV
	Space heating	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	COPd	6.10			6.22	
				Pdh kW	3.3			4.1	
				PERd %	244.0			248.8	
		Tol (temperature operating limit)		COPd	1.37		1.53		1.64
				Pdh kW	4.0		5.4		7.1
				PERd %	54.8		61.2		65.6
				TOL °C	-10				
				WTOL °C	55				
			Rated heat output	Psup (at Tdesign -10°C) kW	2.0		1.6		1.0
		Tbiv (bivalent temperature)		COPd	1.97		2.12		1.90
				Pdh kW	5.3		6.1		7.5
				PERd %	78.8		84.8		76.0
				Tbiv °C	-7		-6		-8
	Cold climate water outlet 55°C	General		Annual energy consumption kWh	4,446		5,278		6,864
				ηs (Seasonal space heating efficiency) %	108		109		112
				Prated at -22°C kW	5		6		8
				Qhe Annual energy consumption (GCV) GJ	16		19		25
		General		Annual energy consumption kWh	1,616		1,813		2,168
				ηs (Seasonal space heating efficiency) %	152		162		165
				Prated at 2°C kW	5		6		7
				Qhe Annual energy consumption (GCV) GJ	6		7		8
		General		Annual energy consumption kWh	2,729		3,196		3,588
				ηs (Seasonal space heating efficiency) %	179		178		181
				Prated at -10°C kW	6		7		8
				Qhe Annual energy consumption (GCV) GJ	10		12		13
				SCOP	4.54		4.52		4.61
				Seasonal space heating eff. class	A+++				
	Average climate water outlet 35°C	A Condition (-7°CDB/-8°CWB)		COPd	2.90		2.86		2.77
				Pdh kW	5.5		6.0		7.0
				PERd %	116.0		114.4		110.8
				Cdh (Degradation heating)	1.0				
		B Condition (2°CDB/1°CWB)		COPd	4.33		4.25		4.35
				Pdh kW	3.3		3.9		4.2
				PERd %	173.2		170.0		174.0
				Cdh (Degradation heating)	1.0				
		C Condition (7°CDB/6°CWB)		COPd	6.19		6.30		6.49
				Pdh kW	3.2			3.3	

2 Specifications

1 - 1 ERGA04-08EV

2

Technical specifications					EHSX04P30D3 + ERGA04EV	EHSX04P50D3 + ERGA04EV	EHSX08P30D3 + ERGA06EV	EHSX08P50D3 + ERGA06EV	EHSX08P30D3 + ERGA08EV	EHSX08P50D3 + ERGA08EV	
<div></div> Space heating	Average climate water outlet 35°C	C Condition (7°CDB/6°CWB)	PERd	%	247.6		252.0		259.6		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0						
			COPd		7.78					8.52	
			Pdh	kW	3.3					3.9	
			PERd	%	311.2					340.8	
		Tol (temperature operating limit)	COPd		2.56		2.49		2.41		
			Pdh	kW	5.2		6.0		6.9		
			PERd	%	102.4		99.6		96.4		
			TOL	°C	-10						
		WTOL	°C	35							
	Tbiv (bivalent temperature)	COPd		2.90		3.07		2.66			
		Pdh	kW	5.5		6.1		7.5			
		PERd	%	116.0		122.8		106.4			
		Tbiv	°C	-7		-6		-8			
	Rated heat output	Psup (at Tdesign -10°C)	kW	0.8		1.0		1.1			
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208		3,727		5,012			
		ηs (Seasonal space heating efficiency)	%	151		156		154			
		Prated at -22°C	kW	5		6		8			
		Qhe Annual energy consumption (GCV)	Gj	12		13		18			
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095		1,232		1,393			
		ηs (Seasonal space heating efficiency)	%	251		257		266			
		Prated at 2°C	kW	5		6		7			
		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				EHSXB04P30D3 + ERGA04EV	EHSXB04P50D3 + ERGA04EV	EHSXB08P30D3 + ERGA06EV	EHSXB08P50D3 + ERGA06EV	EHSXB08P30D3 + ERGA08EV	EHSXB08P50D3 + ERGA08EV		
Indoor unit				EHSXB04P30DA3	EHSXB04P50DA3	EHSXB08P30DA3	EHSXB08P50DA3	EHSXB08P30DA3	EHSXB08P50DA3		
Outdoor unit				ERGA04EAV3		ERGA06EAV3		ERGA08EAV3			
Heating capacity	Nom.	kW		4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)			
Cooling capacity	Nom.	kW		4.86 (1) / 4.52 (2)		5.96 (1) / 5.09 (2)		6.25 (1) / 5.44 (2)			
Power input	Heating	Nom.	kW	0.840 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)			
	Cooling	Nom.	kW	0.810 (1) / 1.36 (2)		1.06 (1) / 1.55 (2)		1.16 (1) / 1.73 (2)			
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)			
EER				5.98 (1) / 3.32 (2)		5.61 (1) / 3.28 (2)		5.40 (1) / 3.14 (2)			
Pump	Type			Grundfos UPM3K 25-75 CHBL							
	Nominal	Cooling	kPa	64.1 (1) / 65.3 (2)		57.6 (1) / 63.0 (2)		55.5 (1) / 61.1 (2)			
Water side Heat exchanger	ESP unit	Heating	kPa	66.0 (1) / 65.0 (2)		57.4 (1) / 58.1 (2)		42.7 (1) / 38.7 (2)			
	Water	Cooling	Nom. l/min	13.9 (1) / 13.0 (2)		17.1 (1) / 14.6 (2)		17.9 (1) / 15.6 (2)			
	flow rate	Heating	Nom. l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)			
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium							
		Name or trademark		Daikin Europe N.V.							
	Product description	Air-to-water heat pump		Yes							
		Brine-to-water heat pump		No							
		Heat pump combination heater		Yes							
		Low-temperature heat pump		No							
		Supplementary heater integrated		No							
		Water-to-water heat pump		No							
	LW(A) Sound power level	Indoor	dB(A)	39							
LW(A) Sound power level (according to EN14825)	Outdoor	dB(A)	58		60		62				
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825							
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h		2,280		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					

2 Specifications

1 - 1 ERGA04-08EV

Technical specifications			EHSXB04P30D3 + ERGA04EV	EHSXB04P50D3 + ERGA04EV	EHSXB08P30D3 + ERGA06EV	EHSXB08P50D3 + ERGA06EV	EHSXB08P30D3 + ERGA08EV	EHSXB08P50D3 + ERGA08EV
Domestic hot water heating	General	Declared load profile	L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours	No					
Space heating general	Integrated supplementary	Type of energy input	Electrical					
Domestic hot water heating	Average climate	AEC (Annual electricity consumption) kWh	888	1,521	888	1,521	888	1,521
		COPdhw	2.76	2.66	2.76	2.66	2.76	2.66
Domestic hot water heating	Average climate	Heat up time	1h 23min	2h 29min	1h 23min	2h 29min	1h 23min	2h 29min
		Mixed water at 40°C l	137.0	211.0	137.0	211.0	137.0	211.0
Domestic hot water heating	Average climate	ηwh (water heating efficiency) %	115	110	115	110	115	110
		Qelec (Daily electricity consumption) kWh	4.219	7.156	4.219	7.156	4.219	7.156
Domestic hot water heating	Average climate	Reference hot water temperature °C	44.5	45.0	44.5	45.0	44.5	45.0
		Stand-by power input W	31.7	42.0	31.7	42.0	31.7	42.0
Domestic hot water heating	Average climate	Water heating energy efficiency class	A+	A	A+	A	A+	A
		AEC (Annual electricity consumption) kWh	1,024	1,862	1,024	1,862	1,024	1,862
Domestic hot water heating	Cold climate	COPdhw	2.41	2.19	2.41	2.19	2.41	2.19
		Mixed water at 40°C l	137.0	211.0	137.0	211.0	137.0	211.0
Domestic hot water heating	Cold climate	ηwh (water heating efficiency) %	100	90	100	90	100	90
		Qelec (Daily electricity consumption) kWh	4.839	8.713	4.839	8.713	4.839	8.713
Domestic hot water heating	Cold climate	Reference hot water temperature °C	44.5	45.0	44.5	45.0	44.5	45.0
		AEC (Annual electricity consumption) kWh	845	1,343	845	1,343	845	1,343
Domestic hot water heating	Warm climate	COPdhw	2.90	3.00	2.90	3.00	2.90	3.00
		Mixed water at 40°C l	137.0	211.0	137.0	211.0	137.0	211.0
Domestic hot water heating	Warm climate	ηwh (water heating efficiency) %	121	125	121	125	121	125
		Qelec (Daily electricity consumption) kWh	4.023	6.346	4.023	6.346	4.023	6.346
Domestic hot water heating	Warm climate	Reference hot water temperature °C	44.5	45.0	44.5	45.0	44.5	45.0
		General	Annual energy consumption kWh	3,769		4,405		4,939
Space heating	Average climate water outlet 55°C	ηs (Seasonal space heating efficiency) %	129		128		131	
		Prated at -10°C kW	6		7		8	
Space heating	Average climate water outlet 55°C	Qhe Annual energy consumption (GCV) GJ	14		16		18	
		SCOP	3.29		3.28		3.35	
Space heating	Average climate water outlet 55°C	Seasonal space heating eff. class			A++			
		A Condition	Cdh (Degradation heating)		1.0			
Space heating	Average climate water outlet 55°C	COPd (-7°CDB/-8°CWB) kW	1.97		1.98		1.96	
		Pdh (-7°CDB/-8°CWB) kW	5.3		5.9		6.9	
Space heating	Average climate water outlet 55°C	PERd (-7°CDB/-8°CWB) %	78.8		79.2		78.4	
		B Condition	Cdh (Degradation heating)		1.0			
Space heating	Average climate water outlet 55°C	COPd (2°CDB/1°CWB) kW	3.23		3.16		3.20	
		Pdh (2°CDB/1°CWB) kW	3.3		3.9		4.4	
Space heating	Average climate water outlet 55°C	PERd (2°CDB/1°CWB) %	129.2		126.4		128.0	
		C Condition	Cdh (Degradation heating)		1.0			
Space heating	Average climate water outlet 55°C	COPd (7°CDB/6°CWB) kW	4.40		4.49		4.64	
		Pdh (7°CDB/6°CWB) kW		3.0			3.3	
Space heating	Average climate water outlet 55°C	PERd (7°CDB/6°CWB) %	176.0		179.6		185.6	
		D Condition	Cdh (Degradation heating)		1.0			

2 Specifications


1 - 1 ERGA04-08EV

2

Technical specifications				EHSXB04P30D3 + ERGA04EV	EHSXB04P50D3 + ERGA04EV	EHSXB08P30D3 + ERGA06EV	EHSXB08P50D3 + ERGA06EV	EHSXB08P30D3 + ERGA08EV	EHSXB08P50D3 + ERGA08EV
Space heating	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	COPd	6.10				6.22	
			Pdh kW	3.3				4.1	
			PERd %	244.0				248.8	
			Tol (temperature operating limit)	1.37				1.53	
			COPd	1.37				1.64	
			Pdh kW	4.0				7.1	
			PERd %	54.8				61.2	
			TOL °C	-10					
			WTOL °C	55					
		Rated heat output	Psup (at Tdesign -10°C) kW	2.0				1.0	
	Tbiv (bivalent temperature)		COPd	1.97				1.90	
			Pdh kW	5.3				6.1	
			PERd %	78.8				84.8	
			Tbiv °C	-7				-6	
	Cold climate water outlet 55°C	General	Annual energy consumption kWh	4,446				6,864	
			ηs (Seasonal space heating efficiency) %	108				109	
			Prated at -22°C kW	5				6	
			Qhe Annual energy consumption (GCV) GJ	16				19	
	Warm climate water outlet 55°C	General	Annual energy consumption kWh	1,616				2,168	
			ηs (Seasonal space heating efficiency) %	152				162	
			Prated at 2°C kW	5				6	
			Qhe Annual energy consumption (GCV) GJ	6				7	
	Average climate water outlet 35°C	General	Annual energy consumption kWh	2,729				3,196	
			ηs (Seasonal space heating efficiency) %	179				178	
			Prated at -10°C kW	6				7	
			Qhe Annual energy consumption (GCV) GJ	10				12	
			SCOP	4.54				4.52	
			Seasonal space heating eff. class	A+++					
		A Condition (-7°CDB/-8°CWB)	COPd	2.90				2.86	
			Pdh kW	5.5				6.0	
			PERd %	116.0				114.4	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0					
			COPd	4.33				4.25	
			Pdh kW	3.3				3.9	
			PERd %	173.2				170.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0					
			COPd	6.19				6.30	
			Pdh kW	3.2				3.3	

2 Specifications

1 - 1 ERGA04-08EV

Technical specifications					EHSXB04P30D3 + ERGA04EV	EHSXB04P50D3 + ERGA04EV	EHSXB08P30D3 + ERGA06EV	EHSXB08P50D3 + ERGA06EV	EHSXB08P30D3 + ERGA08EV	EHSXB08P50D3 + ERGA08EV			
 Space heating	Average climate water outlet 35°C	C Condition (7°CDB/6°CWB)	PERd	%	247.6			252.0		259.6			
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0								
			COPd		7.78					8.52			
			Pdh kW		3.3					3.9			
			PERd %		311.2					340.8			
		Tol (temperature operating limit)	COPd		2.56			2.49			2.41		
			Pdh kW		5.2			6.0			6.9		
			PERd %		102.4			99.6			96.4		
			TOL °C		-10								
			WTOL °C		35								
		Tbiv (bivalent temperature)	COPd		2.90			3.07			2.66		
			Pdh kW		5.5			6.1			7.5		
			PERd %		116.0			122.8			106.4		
			Tbiv °C		-7			-6			-8		
		Rated heat output	Psup (at Tdesign -10°C)		kW	0.8			1.0			1.1	
	Cold climate water outlet 35°C	General	Annual energy consumption		kWh	3,208			3,727			5,012	
			ηs (Seasonal space heating efficiency)		%	151			156			154	
			Prated at -22°C		kW	5			6			8	
			Qhe Annual energy consumption (GCV)		Gj	12			13			18	
	Warm climate water outlet 35°C	General	Annual energy consumption		kWh	1,095			1,232			1,393	
			ηs (Seasonal space heating efficiency)		%	251			257			266	
			Prated at 2°C		kW	5			6			7	
			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					ERGA04EV		ERGA06EV		ERGA08EV	
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				1.5					
Heat exchanger	Length				920					
	Rows	Quantity			2					
	Fin pitch				1.40					
	Passes	Quantity			32					
	Face area				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				77					
	Speed	Heating	Nom.	rpm	620		680		740	
		Cooling	Nom.	rpm	780					
Compressor	Quantity				1					
	Model				2YC7IEXD#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					

2 Specifications

1 - 1 ERGA04-08EV

2

Technical Specifications				ERGA04EV	ERGA06EV	ERGA08EV
Operation range	Domestic	Max.	°CDB	35		
	hot water	Min.	°CDB	-25		
PED	Most critical part	Ps*V	Bar*I	110.4		
Sound power level	Heating	Nom.	dBA	58 (1)	60 (1)	62 (1)
	Cooling	Nom.	dBA	61 (1)	62 (1)	
Sound pressure level	Heating	Nom.	dBA	44 (1)	47 (1)	49 (1)
	Cooling	Nom.	dBA	48 (1)	49 (1)	50 (1)
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge	TCO2Eq		1.01		
	Charge	kg		1.50		
	Control			Expansion valve		
	Circuits	Quantity		1		
Refrigerant oil	Type			FW68DA		
	Charged volume	l		0.9		
Piping connections	Liquid	Quantity		1		
		Type		Flare connection		
		OD	mm	6,35		
	Gas	Quantity		1		
		Type		Flare connection		
		OD	mm	15.9		
	Drain	Quantity		2		
		Type		Hole		
		OD	mm	18		
	Piping length	OU - IU	Min.	3		
			Max.	30		
		System	Chargeless	10		
	High pressure side	Design pressure	bar	46		
		Additional refrigerant charge	kg/m	0.02 (for piping length exceeding 10m)		
		Level difference	IU - OU	20.0		
	Heat insulation			Both liquid and gas pipes		
Defrost method				Reversed cycle		
Defrost control				Sensor for outdoor heat exchanger temperature		
Safety devices	Item	01		High pressure switch		
Electrical Specifications				ERGA04EV	ERGA06EV	ERGA08EV
Power supply	Name			V3		
	Phase			1N~		
	Frequency	Hz		50		
	Voltage	V		230		
	Voltage range	Min.	%	-10		
		Max.	%	10		
Current	Maximum Heating running	A		19.9		24.0
	Recommended fuses	A		20		25
Wiring connections	For power supply	Quantity		3		
		Remark		4mm ²		
	For	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

ERGA04-08EV
ERGA04-08EVA

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·.

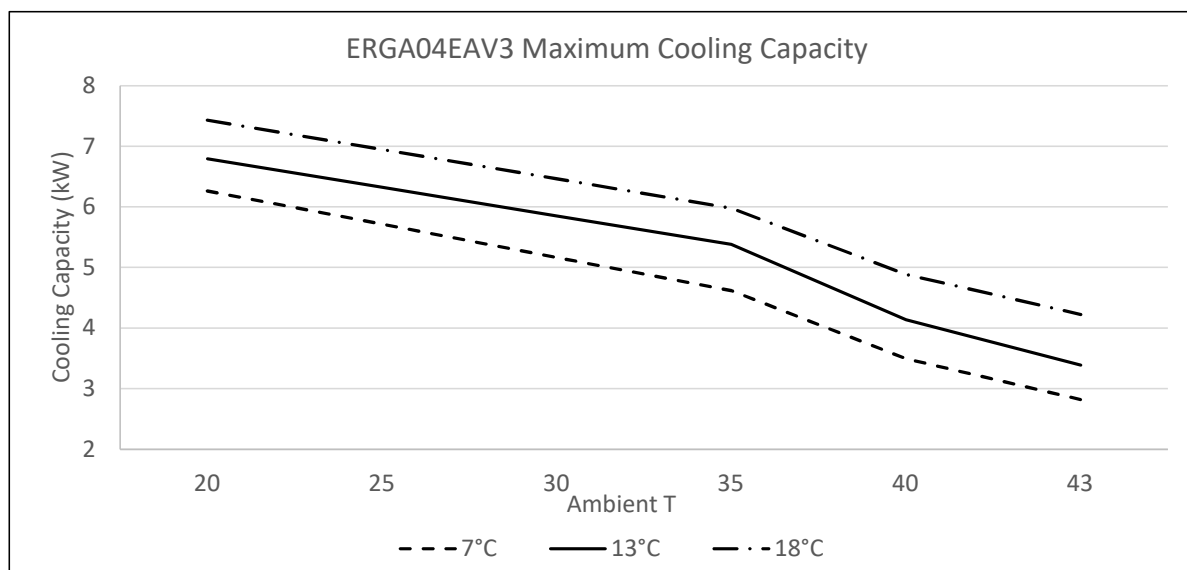
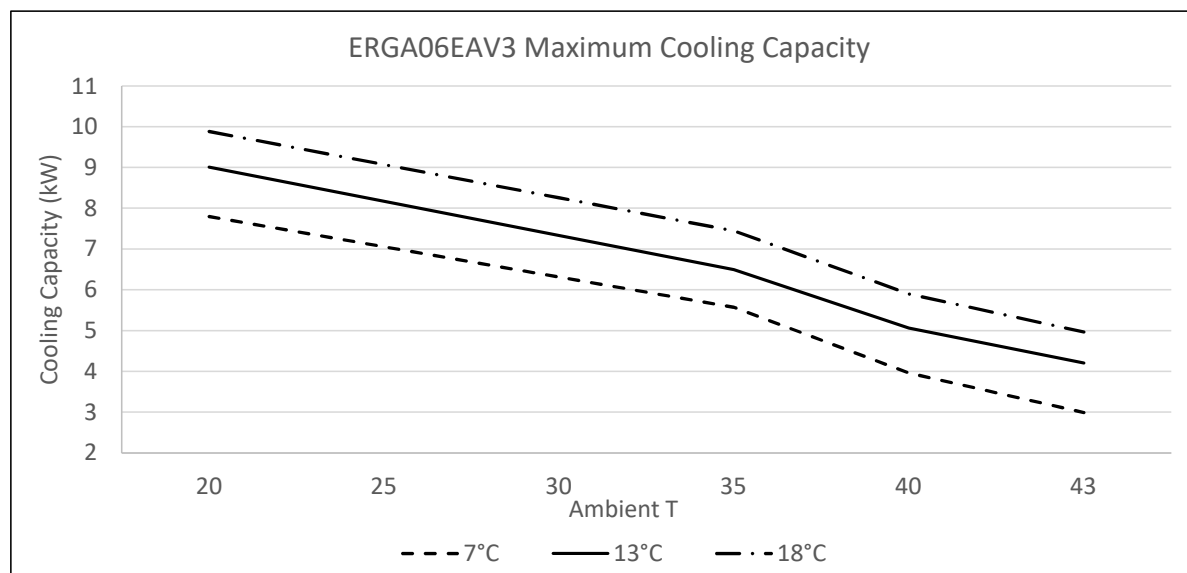
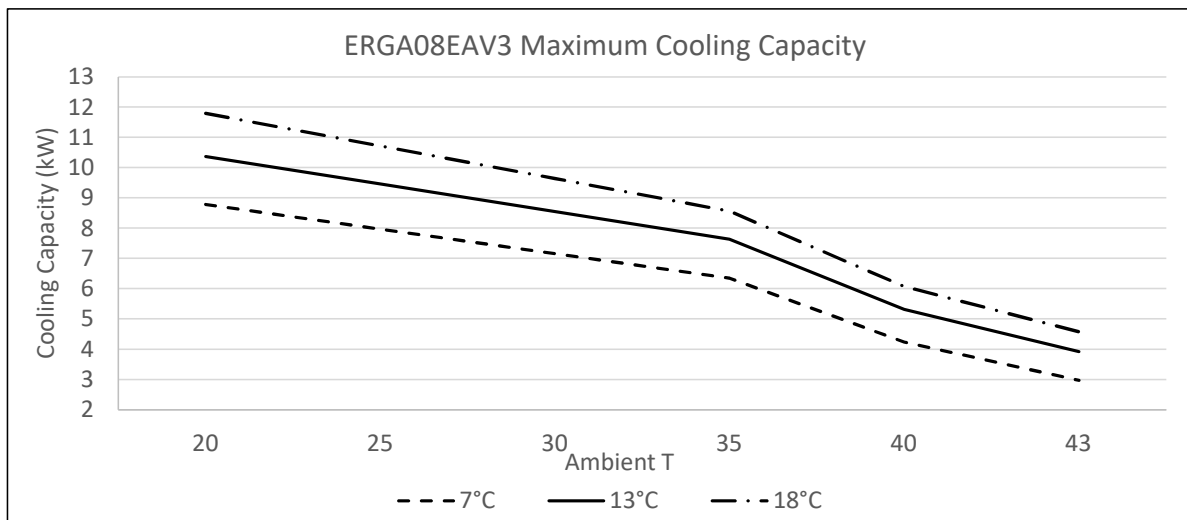
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4 Capacity graphs

4 - 1 Cooling Capacity Graphs

ERGA04-08EV

4

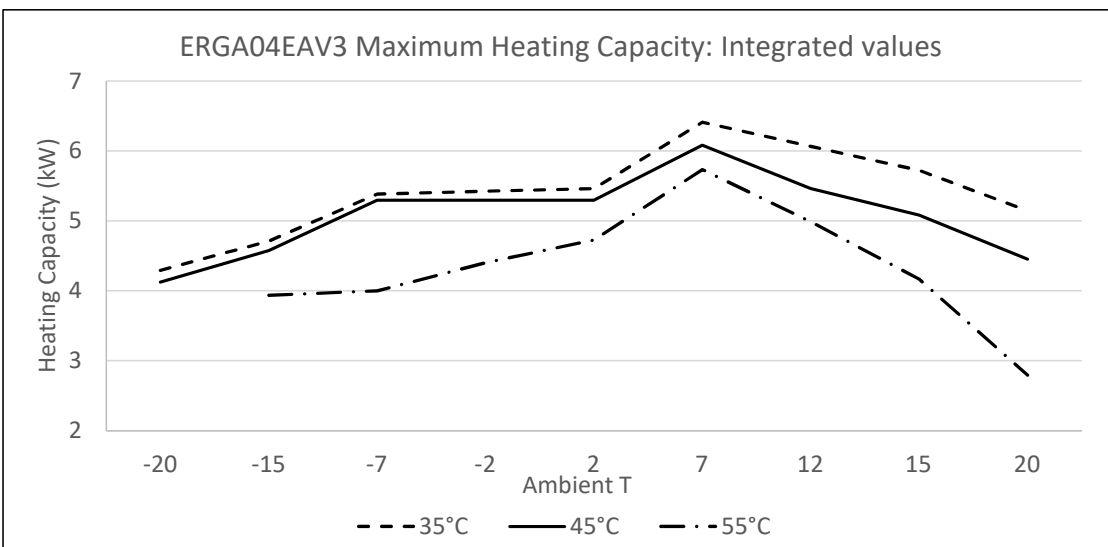
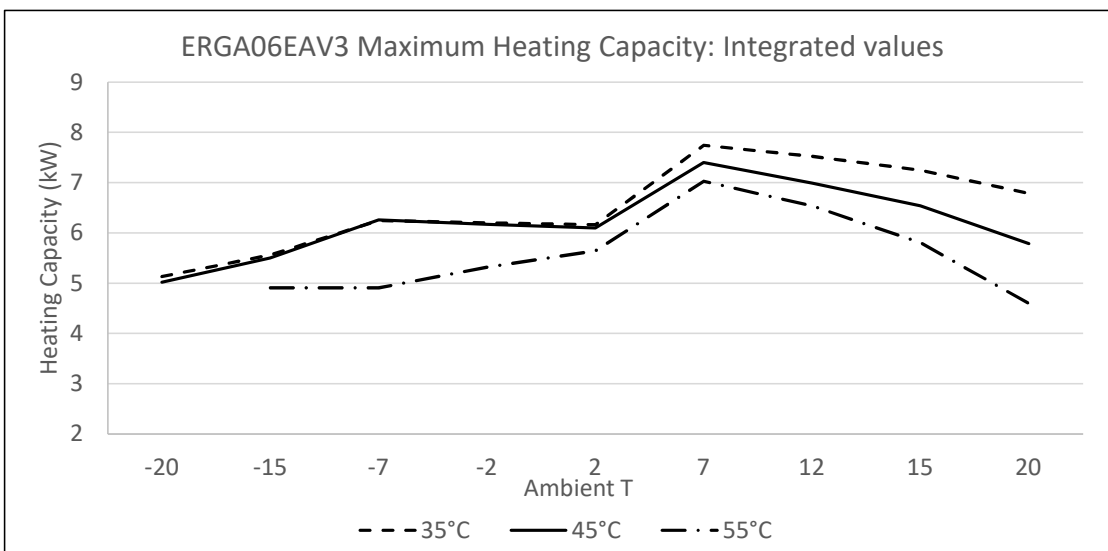
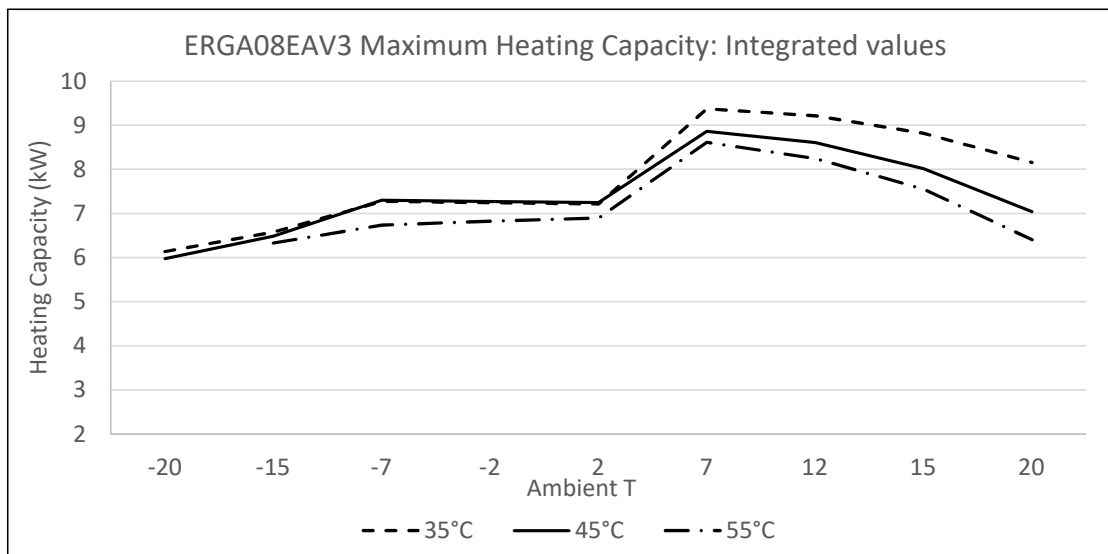


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4 Capacity graphs

4 - 2 Heating Capacity Graphs

ERGA04-08EV



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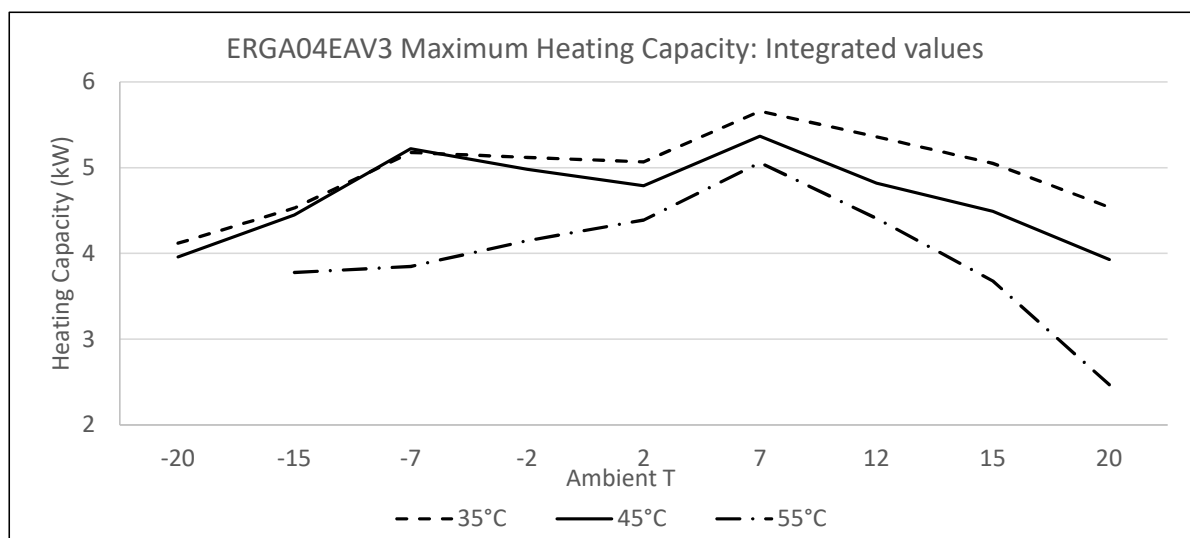
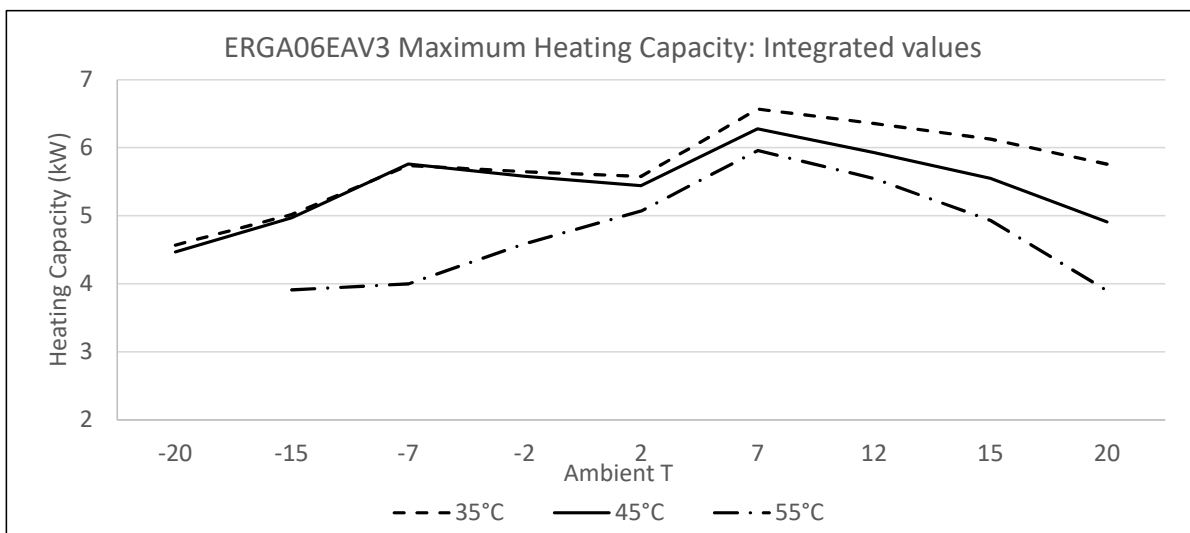
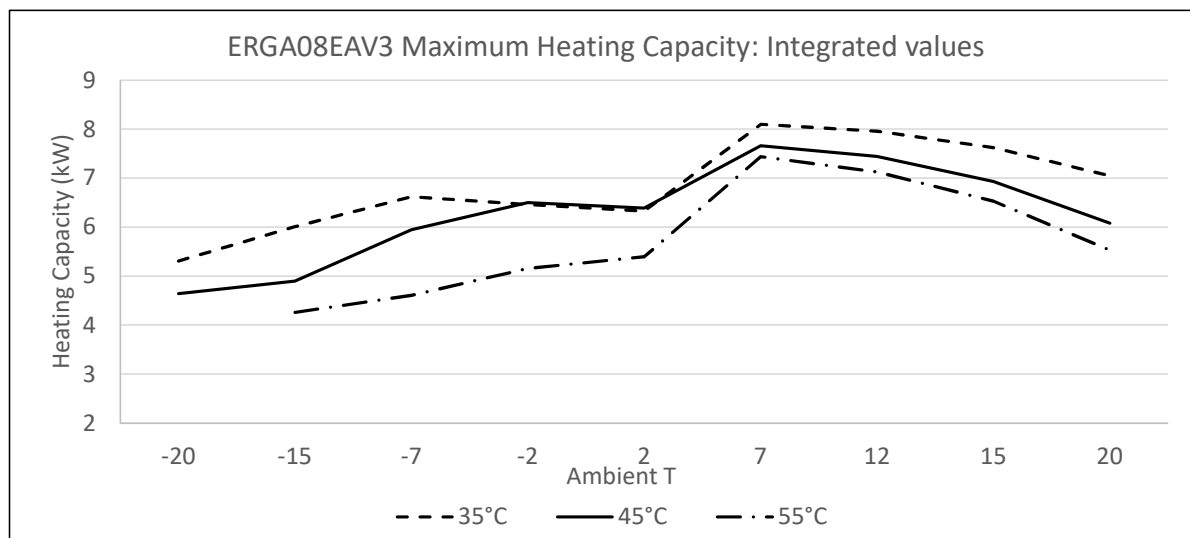
4 Capacity graphs

4 - 3 Heating Capacity Graphs - more quiet mode

ERGA04-08EV

ERGA04-08EVA

4



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5 Capacity tables

5 - 1 Certification Programs

ERGA04-08EV

ERGA04-08EVA

5

Rated data for certification programmes - heating mode

Tamb [°C]	EWC [°C]	LWC [°C]	ERGA04EAV3 HC [kW]	COP	ERGA06EAV3 HC [kW]	COP	ERGA08EAV3 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 - cooling mode

Tamb [°C]	EWE [°C]	LWE [°C]	ERGA04EA* CC [kW]	EER	ERGA06EA* CC [kW]	EER	ERGA08EA* 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

Seasonal data - cooling

Low temperature Application		LWE 7°C	ERGA04EA*	ERGA06EA*	ERGA08EA*
SEER	[-]		5,66	5,73	5,71
Pdes	[kW]		4,5	5,1	5,4
$\eta_{s,c}$	[-]		223%	226%	226%
Q _{CE}	[kWh/annum]		480	533	571

Rated data for certification programmes - heating mode

Tamb [°C]	EWC [°C]	LWC [°C]	ERGA04EAV3A HC [kW]	COP	ERGA06EAV3A HC [kW]	COP	ERGA08EAV3A 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

Symbols

HC	Heating capacity measured according to EN 14511
CC	Cooling capacity, measured according to EN 14511.
COP/EER	Coefficient of Performance/Energy efficiency ratio according to EN 14511.
EWC	Entering water condenser temperature [°C]
LWC	Leaving water condensor temperature [°C]
EWE	Entering water evaporator temperature [°C]
LWE	Leaving water evaporator temperature [°C]
Tamb	Ambient temperature [°C DB/WB]
Pdes	Nominal capacity value at design temperature [kW]
$\eta_{s,c}$	Seasonal space cooling energy efficiency according to EN14825.
SEER	Seasonal energy efficiency ratio according to EN14825.
Q _{CE}	Annual energy consumption for cooling according to EN14825.

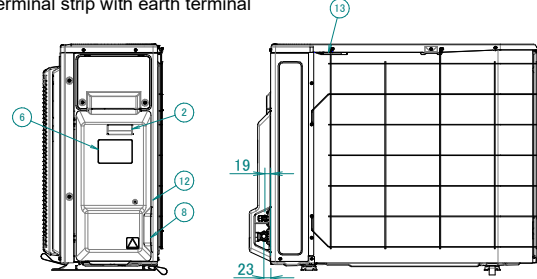
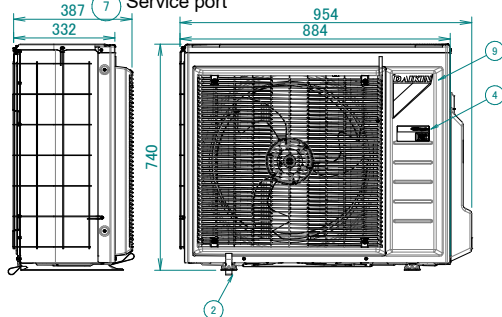
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6 Dimensional drawings

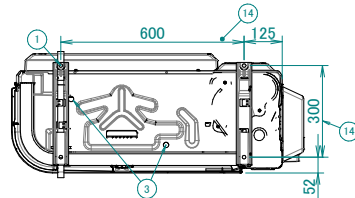
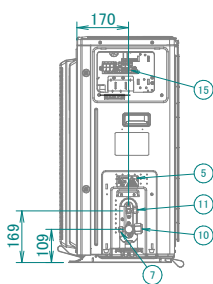
6 - 1 Dimensional Drawings

ERGA04-08EV
ERGA04-08EVA

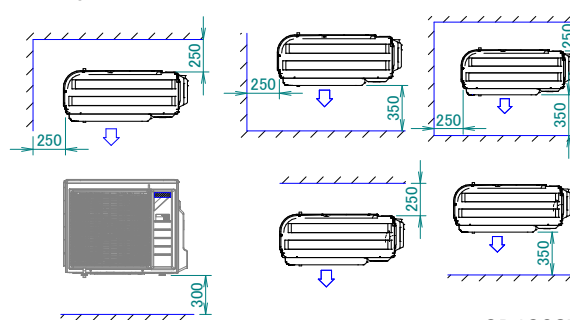
- ① 4 holes for anchor bolts
M8 OR M10
- ② Handle
- ③ Drain outlet
- ④ Nameplate
- ⑤ Caution label
- ⑥ Manufacturer label
- ⑦ Service port
- ⑧ Wiring intake area
- ⑨ Brand name label
- ⑩ Gas stop valve $\varnothing 15.9$ CuT
- ⑪ Liquid stop valve $\varnothing 6.4$ CuT
- ⑫ Product liability label
- ⑬ 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



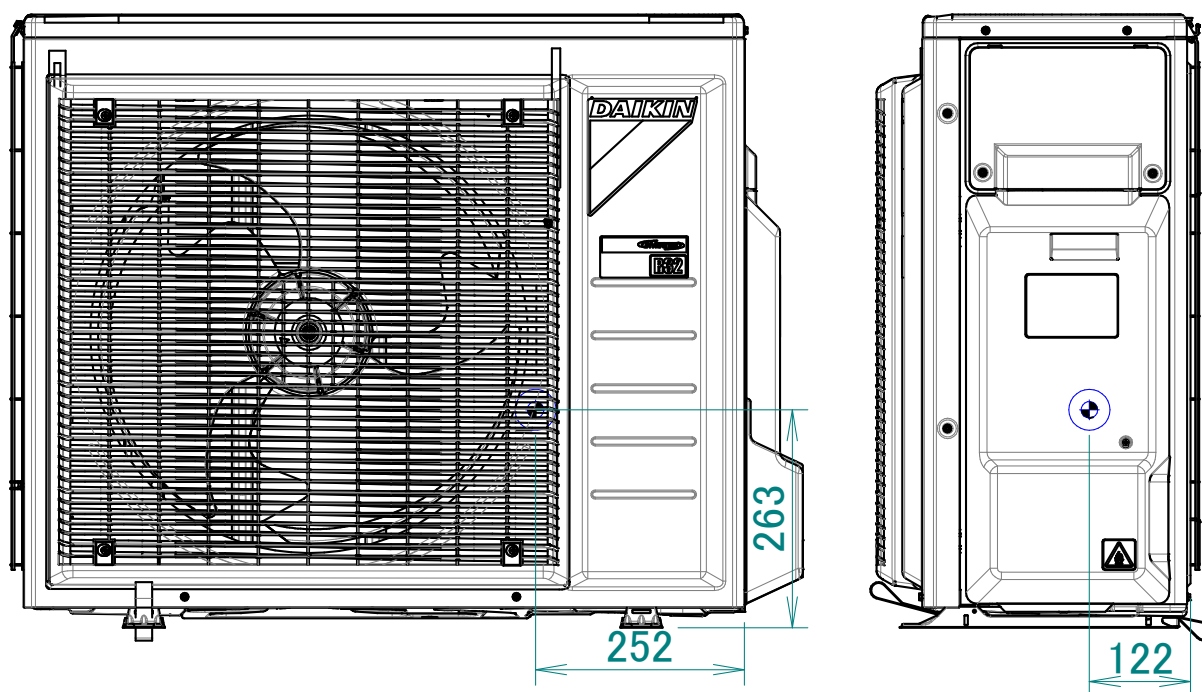
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7 Centre of gravity

7 - 1 Centre of Gravity

ERGA04-08EV
ERGA04-08EVA

7



4D130872A

8 - 1 Piping Diagrams

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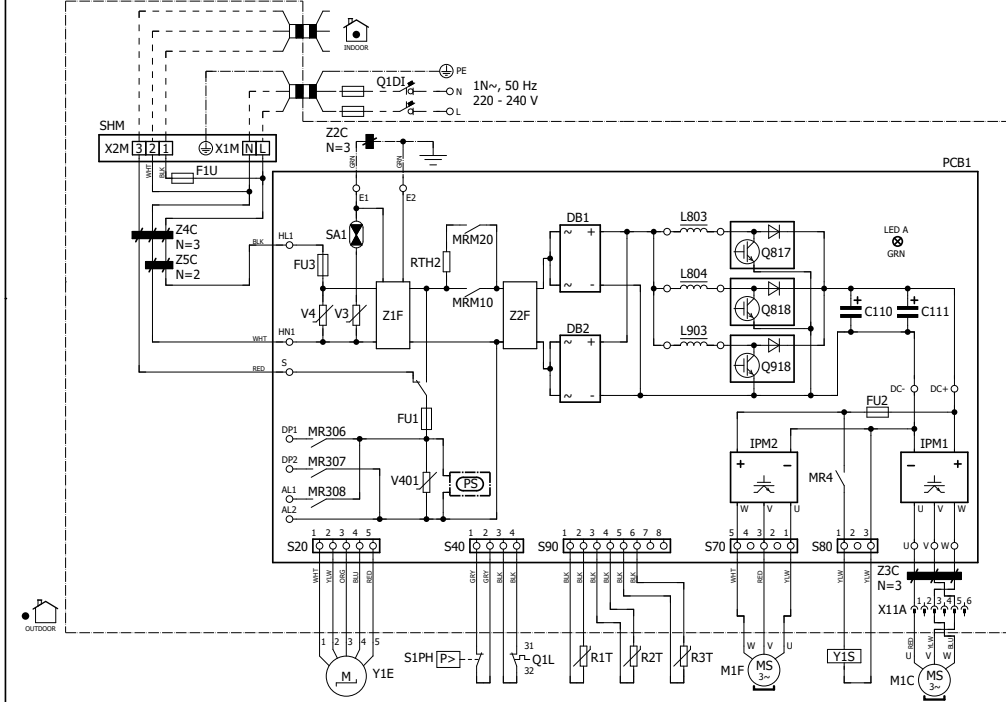
9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

ERGA04-08EV

ERGA04-08EVA

(1) Connection diagram



(3) Legend

: Field supply
* : Optional

Part n°	Description
AL*	Connector
C*	Capacitor
DB*	Rectifier bridge
DC*	Connector
DP*	Connector
E*	Connector
F1U	Fuse T 6,3 A 250 V
FU1, FU2	Fuse T 3,15 A 250 V
FU3	Fuse T 30 A 250 V
I*	Connector
IPM*	Intelligent power module
L	Connector
LED A	Pilot lamp
L*	Reactor
M1C	Compressor motor
M1F	Fan motor
MR*	Magnetic relay
N	Connector
PCB1	Printed circuit board (main)
PS	Switching power supply
QLL	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	High pressure switch
SA1	Surge arrester
SHM	Terminal strip fixed plate
U, V, W	Connector
V3, V4, V401	Varistor
X*A	Connector
X*M	Terminal strip
Y1E	Electronic expansion valve
Y1S	Solenoid valve (4-way valve)
Z1C	Noise filter (ferrite core)
Z1F	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 QLL.
2. Refer to the combination table and the option manual for how to connect the wiring to X6A, X28A and X77A.
3. Colours: BLK:black; RED:red; BLU:blue; WHT:white; GRN:green; YLW:yellow

4D130218

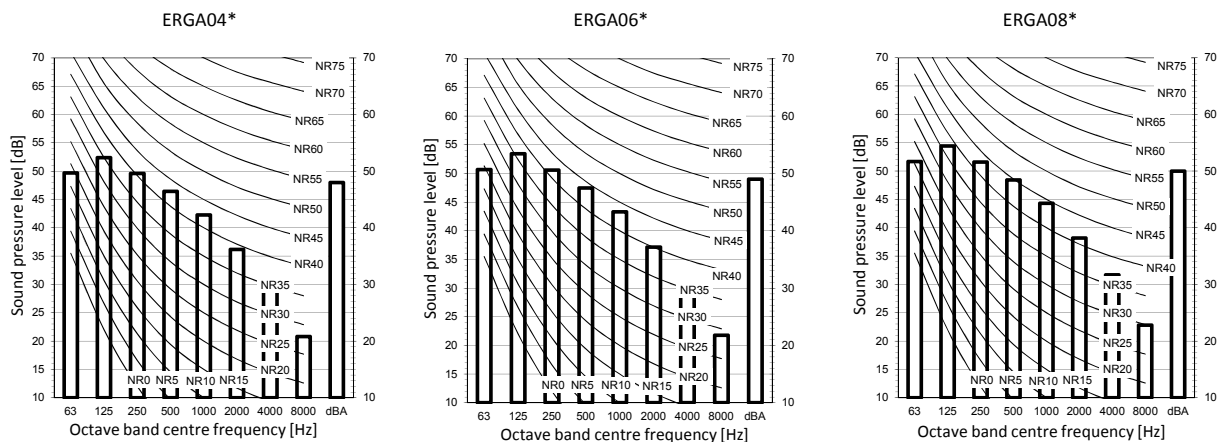
10 Sound data

10 - 1 Sound Pressure Spectrum

10

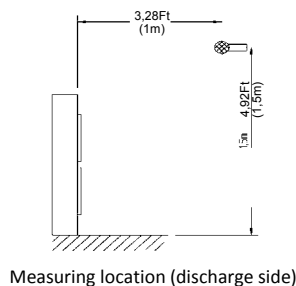
ERGA04-08EV
ERGA04-08EVA

Cooling



Notes

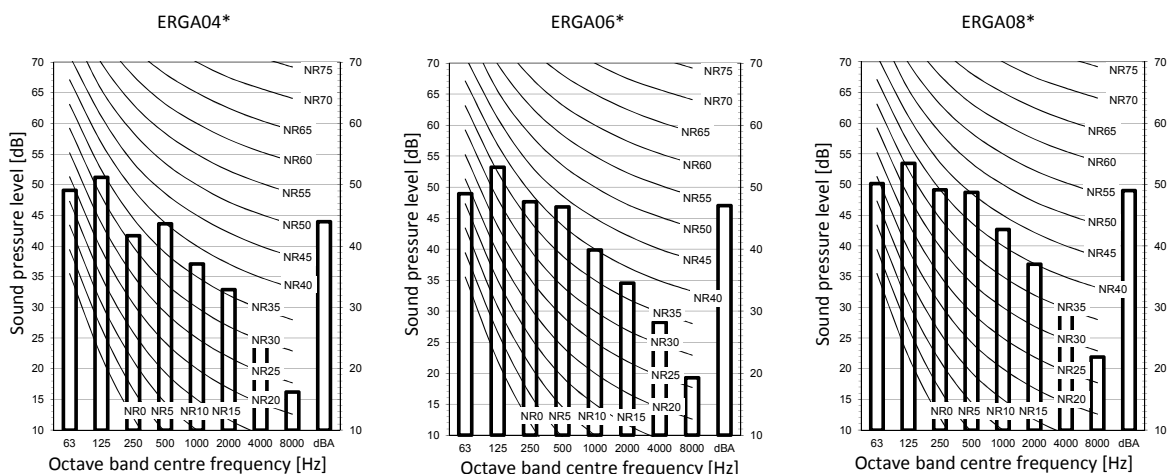
1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 μ Pa
5. If the sound is measured under actual installation conditions,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



3D111595

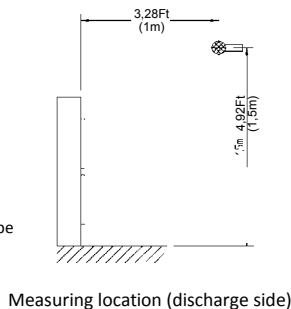
ERGA04-08EV
ERGA04-08EVA

Heating



Notes

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



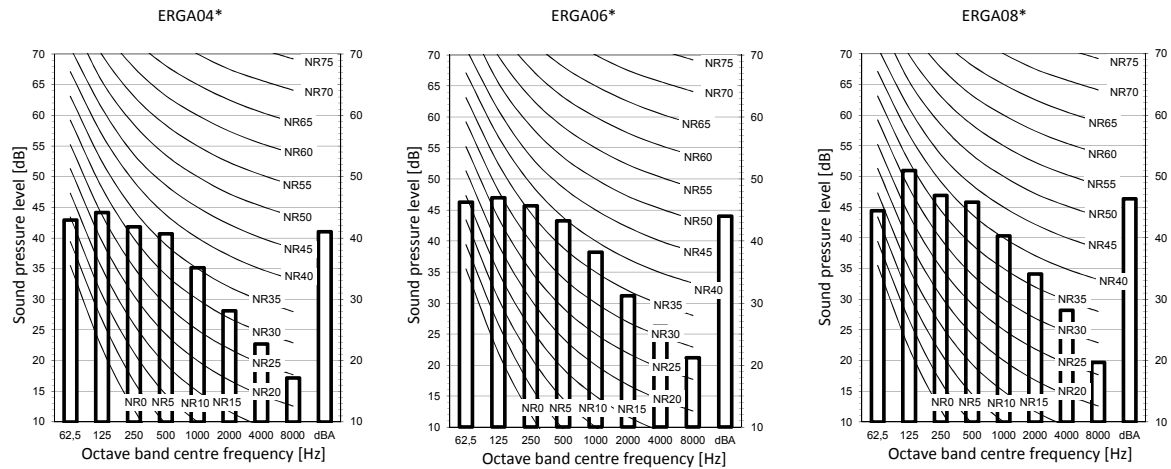
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10 Sound data

10 - 1 Sound Pressure Spectrum

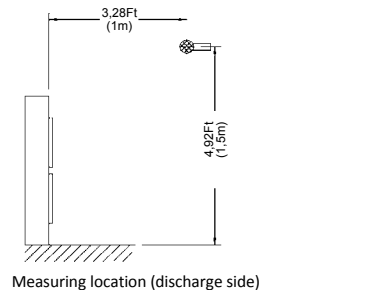
ERGA04-08EV
ERGA04-08EVA

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

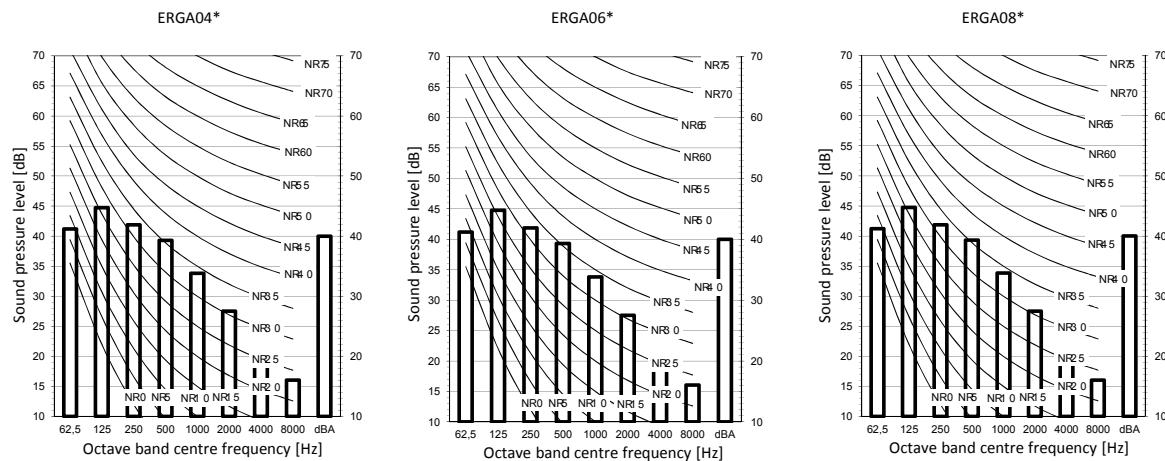


Measuring location (discharge side)

3D116213

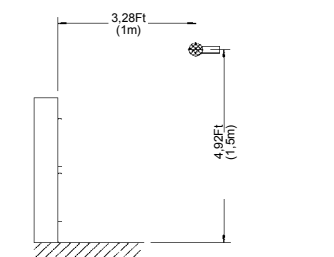
ERGA04-08EV
ERGA04-08EVA

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



Measuring location (discharge side)

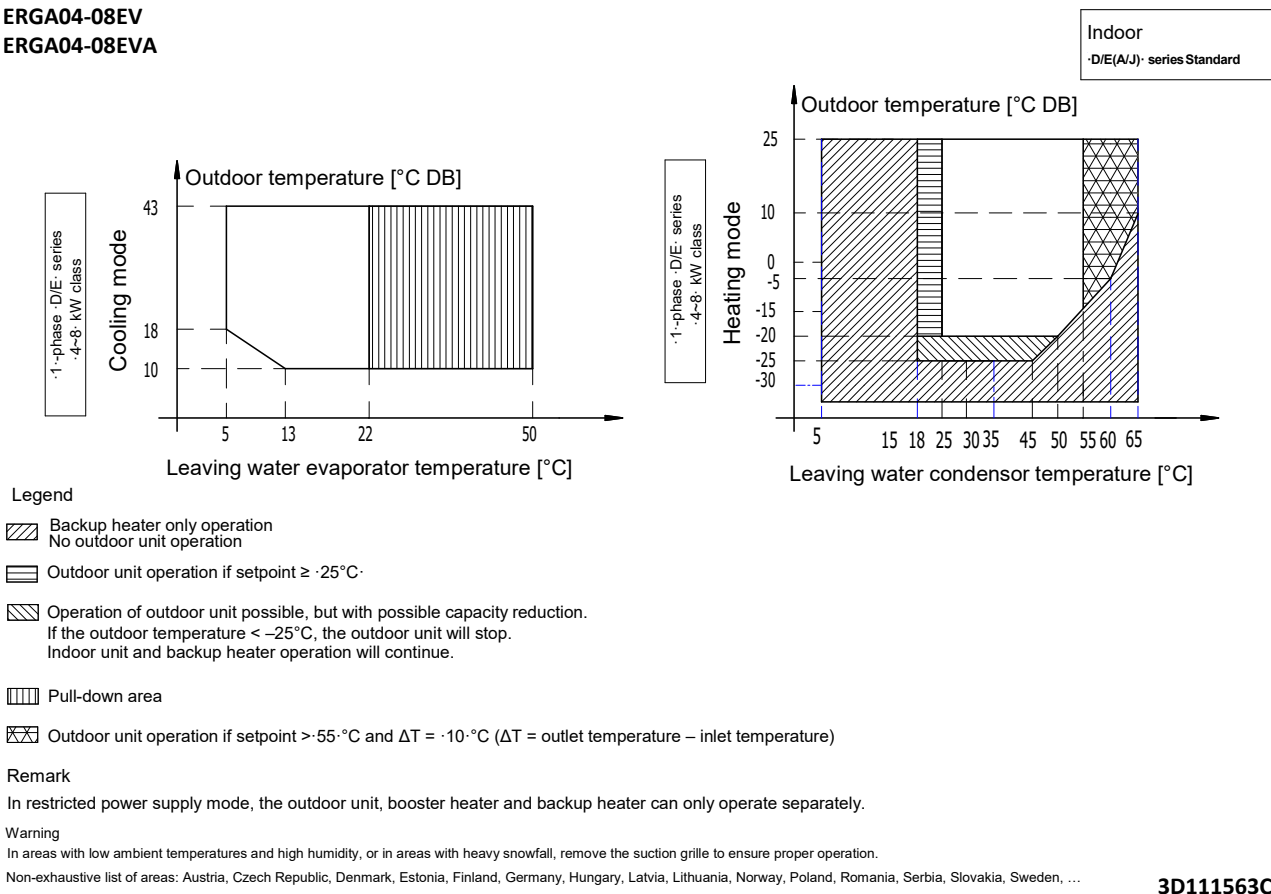
3D116214

11 Operation range

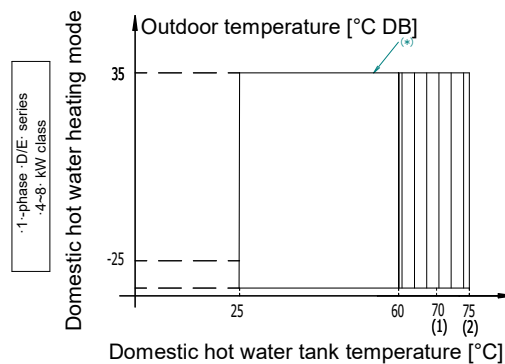
11 - 1 Operation Range

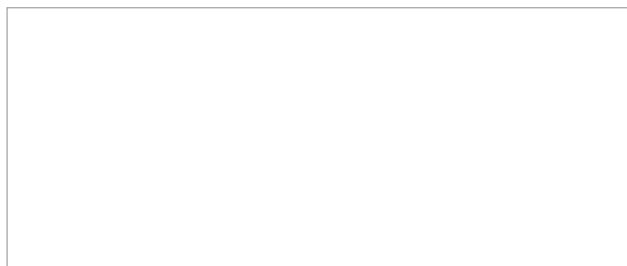
ERGA04-08EV
ERGA04-08EVA

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ERGA04-08EV
ERGA04-08EVA





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