



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



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ERGA04-08DV

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1 Features

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

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Guaranteed
operation
down to -25°C

2 Specifications

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Technical specifications					EHBH04D6V + ERGA04DV	EHBH08D6V + ERGA06DV	EHBH08D6V + ERGA08DV
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)		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	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

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Technical specifications					EHBH04D6V + ERGA04DV		EHBH08D6V + ERGA06DV		EHBH08D6V + ERGA08DV	
 Space heating	Average climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	PERd	%	79				78	
		B Condition (2°CDB/1°CWB)	Cd _h (Degradation heating)		1.0					
			COP _d		3.23		3.16		3.20	
			Pd _h kW		3.3		3.9		4.4	
			PERd %		129		126		128	
		C Condition (7°CDB/6°CWB)	Cd _h (Degradation heating)		1.0					
			COP _d		4.40		4.49		4.64	
			Pd _h kW		3.0				3.3	
			PERd %		176		180		186	
		D Condition (12°CDB/11°CWB)	Cd _h (Degradation heating)		1.0					
			COP _d		6.10				6.22	
			Pd _h kW		3.3				4.1	
			PERd %		244				249	
		Tol (temperature operating limit)	COP _d		1.37		1.53		1.64	
			Pd _h kW		4.0		5.4		7.1	
	PERd %		55		61		66			
	TOL °C		-10							
	WTOL °C		55							
	Rated heat output	P _{sup} (at T _{design} -10°C) kW		2.0		1.6		0.9		
		T _{biv} (bivalent temperature)	COP _d		1.97		2.12		1.90	
			Pd _h kW		5.3		6.1		7.5	
			PERd %		79		85		76	
	Cold climate water outlet 55°C	General	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	
	Warm climate water outlet 55°C	General	Prated at -22°C kW		5.0		6.0		8.0	
			Annual energy consumption kWh		1,660		1,858		2,213	
			η _s (Seasonal space heating efficiency) %		148		158		161	
	Average climate water outlet 35°C	General	Prated at 2°C kW		4.7		5.6		6.8	
			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+++					
			A Condition (-7°CDB/-8°CWB)	COP _d		2.90		2.86		2.77
	Pd _h kW			5.5		6.0		7.0		

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Technical specifications					EHBH04D6V + ERGA04DV	EHBH08D6V + ERGA06DV	EHBH08D6V + ERGA08DV
Space heating Average climate water outlet 35°C	A Condition (-7°CDB/-8°CWB)	PERd	%		116	114	111
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)				1.0	
		COPd			4.33	4.25	4.35
		Pdh	kW		3.3	3.9	4.2
		PERd	%		173	170	174
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)				1.0	
		COPd			6.19	6.30	6.49
		Pdh	kW			3.2	3.3
		PERd	%		248	252	260
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)				1.0	
		COPd				7.78	8.52
		Pdh	kW			3.3	3.9
		PERd	%			311	341
	Tol (temperature operating limit)	COPd			2.56	2.49	2.41
		Pdh	kW		5.2	6.0	6.9
		PERd	%		102	100	96
		TOL	°C			-10	
		WTOL	°C			35	
	Tbiv (bivalent temperature)	COPd			2.90	3.07	2.66
		Pdh	kW		5.5	6.1	7.5
		PERd	%		116	123	106
		Tbiv	°C		-7	-6	-8
	Rated heat output	Psup (at Tdesign -10°C)	kW		0.8	1.0	1.1
Cold 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		5.0	6.0	8.0
		Annual energy consumption	kWh		1,139	1,276	1,437
Warm climate water outlet 35°C	General	ηs (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					EHBH08D9W + ERGA06DV	EHBH08D9W + ERGA08DV
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				EHBH08D9W + ERGA06DV		EHBH08D9W + ERGA08DV		
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	4,441		4,975	
			ηs (Seasonal space heating efficiency)	%	127		130	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	16.0		17.9	
			SCOP		3.26		3.32	
			Seasonal space heating eff. class		A++			
			A Condition	Cdh (Degradation heating)	1.0			
			(-7°CDB/-8°CWB)	COPd	1.98		1.96	
				Pdh	5.9		6.9	

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Technical specifications					EHBH08D9W + ERGA06DV	EHBH08D9W + ERGA08DV
 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		3.16	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		5.4	7.1
			PERd		61	66
			TOL		-10	
	Rated heat output		WTOL		55	
			Psup (at Tdesign -10°C)		1.6	0.9
			COPd		2.12	1.90
			PdH		6.1	7.5
Cold climate water outlet 55°C	General		PERd		85	76
			Tbiv		-6	-8
			Annual energy consumption		5,300	6,886
			ηs (Seasonal space heating efficiency)		109	112
	General		Prated at -22°C		6.0	8.0
			Annual energy consumption		1,858	2,213
			ηs (Seasonal space heating efficiency)		158	161
			Prated at 2°C		5.6	6.8
	General		Annual energy consumption		3,233	3,625
			ηs (Seasonal space heating efficiency)		176	179
			Prated at -10°C		7.0	8.0
			Qhe Annual energy consumption (GCV)		11.6	13.1
			SCOP		4.47	4.56
			Seasonal space heating eff. class		A+++	
Average climate water outlet 35°C	A Condition (-7°CDB/-8°CWB)		COPd		2.86	2.77
			PdH		6.0	7.0

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Technical specifications				EHBH08D9W + ERGA06DV	EHBH08D9W + ERGA08DV
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					EHBX04D6V + ERGA04DV	EHBX08D6V + ERGA06DV	EHBX08D6V + ERGA08DV
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	0.940 (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					5.17 (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 ERGA04-08DV

Technical specifications				EHBX04D6V + ERGA04DV	EHBX08D6V + ERGA06DV	EHBX08D6V + ERGA08DV
Space heating general	Air to water unit	Rated airflow (outdoor)	m ³ /h	2,280.0	2,520.0	2,770.0
	Other	Capacity control		Inverter		
		Pck (Crankcase heater mode)	kW	0.000		
		Poff (Off mode)	kW	0.010		
		Psb (Standby mode)	kW	0.010		
		Pto (Thermostat off)	kW	0.010		
	Integrated supplementary heater	Psup	kW	6.0		
		Type of energy input		Electrical		
Domestic hot water heating	Average climate	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		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	Psup (at Tdesign -10°C)	2.0	1.6	0.9
			Tbiv (bivalent temperature)			
			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				EBHX04D6V + ERGA04DV	EBHX08D6V + ERGA06DV	EBHX08D6V + ERGA08DV	
Space heating	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 Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86	2.77
			Pdh	kW	5.5	6.0	7.0
			PERd	%	116	114	111
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
		COPd			4.33	4.25	4.35
		Pdh		kW	3.3	3.9	4.2
		PERd		%	173	170	174
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		6.19	6.30	6.49
			Pdh	kW	3.2		3.3
			PERd	%	248	252	260
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0		
			COPd		7.78		8.52
			Pdh	kW	3.3		3.9
			PERd	%	311		341
		Tol (temperature operating limit)	COPd		2.56	2.49	2.41
			Pdh	kW	5.2	6.0	6.9
	PERd		%	102	100	96	
	TOL		°C	-10			
	WTOL		°C	35			
	Tbiv (bivalent temperature)	COPd		2.90	3.07	2.66	
		Pdh	kW	5.5	6.1	7.5	
		PERd	%	116	123	106	
		Tbiv	°C	-7	-6	-8	
	Rated heat output	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					EBHX08D9W + ERGA06DV		EBHX08D9W + ERGA08DV	
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	171 (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 ERGA04-08DV

Technical specifications				EHBX08D9W + ERGA06DV		EHBX08D9W + ERGA08DV			
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	

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications					EHBX08D9W + ERGA06DV		EHBX08D9W + ERGA08DV	
Space heating	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					EHVH04S23DV + ERGA04DV	EHVH08S23DV + ERGA06DV	EHVH08S23DV + ERGA08DV
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		3.01		
Heat up time from 10°C to 50°C			hr		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			No		
		Water-to-water heat pump			No		
	LW(A) Sound power level	Indoor		dB(A)	42		
	LW(A) Sound power level (according to EN14825)	Outdoor			58	60	62

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHVH04S23DV + ERGA04DV	EHVH08S23DV + ERGA06DV	EHVH08S23DV + ERGA08DV
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		
Space heating general	Air to water unit	Rated airflow (outdoor)	m ³ /h	2,280.0	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		XL		
		Function to fix water heating during off peak hours		No		
	Average climate	AEC (Annual electricity consumption)	kWh	1,252		
		η _{wh} (water heating efficiency)	%	134		
		Qelec (Daily electricity consumption)	kWh	5.810		
		Water heating energy efficiency class		A+		
	Cold climate	AEC (Annual electricity consumption)	kWh	1,457		
		η _{wh} (water heating efficiency)	%	116		
		Qelec (Daily electricity consumption)	kWh	6.750		
	Warm climate	AEC (Annual electricity consumption)	kWh	1,033		
		η _{wh} (water heating efficiency)	%	163		
		Qelec (Daily electricity consumption)	kWh	4.800		

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications				EHVH04S23DV + ERGA04DV		EHVH08S23DV + ERGA06DV		EHVH08S23DV + ERGA08DV			
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				
		Rated heat output	Tbiv (bivalent temperature)	WTOL	°C			55			
				Psup (at Tdesign -10°C)	kW	2.0		1.6		1.0	
				COPd		1.97		2.12		1.90	
				Pdh	kW	5.3		6.1		7.5	
				PERd	%	79		85		76	
				Tbiv	°C	-7		-6		-8	
Cold climate water outlet 55°C	General		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		
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			

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHVH04S23DV + ERGA04DV	EHVH08S23DV + ERGA06DV	EHVH08S23DV + ERGA08DV
Space heating	Warm climate water outlet 35°C	General	Prated at 2°C	kW	4.7	5.6	6.8
		Average climate water outlet 35°C	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+++		
		A	COP _d		2.90	2.86	2.77
		Condition (-7°CDB/-8°CWB)	P _{dh}	kW	5.5	6.0	7.0
			PER _d	%	116	114	111
			C _{dh} (Degradation heating)		1.0		
		B Condition (2°CDB/1°CWB)	COP _d		4.33	4.25	4.35
			P _{dh}	kW	3.3	3.9	4.2
			PER _d	%	173	170	174
			C _{dh} (Degradation heating)		1.0		
		C Condition (7°CDB/6°CWB)	COP _d		6.19	6.30	6.49
			P _{dh}	kW	3.2		3.3
			PER _d	%	248	252	260
			C _{dh} (Degradation heating)		1.0		
		D Condition (12°CDB/11°CWB)	COP _d		7.78		8.52
			P _{dh}	kW	3.3		3.9
			PER _d	%	311		341
			C _{dh} (Degradation heating)		1.0		
	Tol (temperature operating limit)		COP _d		2.56	2.49	2.41
			P _{dh}	kW	5.2	6.0	6.9
			PER _d	%	102	100	96
			TOL	°C	-10		
			WTOL	°C	35		
	T _{biv} (bivalent temperature)		COP _d		2.90	3.07	2.66
			P _{dh}	kW	5.5	6.1	7.5
			PER _d	%	116	123	106
			T _{biv}	°C	-7	-6	-8
	Rated heat output		P _{sup} (at T _{design} -10°C)	kW	0.8	1.0	1.1
Cold climate water outlet 35°C	General		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	General	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					EHVH04S23DVG + ERGA04DV	EHVH08S23DVG + ERGA06DV	EHVH08S23DVG + ERGA08DV
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	3.01		
Heat up time from 10°C to 50°C				hr	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)

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications				EHVH04S23DVG + ERGA04DV	EHVH08S23DVG + ERGA06DV	EHVH08S23DVG + ERGA08DV
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		No		
		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)	m ³ /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		XL		
		Function to fix water heating during off peak hours		No		
	Average climate	AEC (Annual electricity consumption)	kWh	1,252		
		η _{wh} (water heating efficiency)	%	134		
		Qelec (Daily electricity consumption)	kWh	5.810		
		Water heating energy efficiency class		A+		
	Cold climate	AEC (Annual electricity consumption)	kWh	1,457		
		η _{wh} (water heating efficiency)	%	116		
		Qelec (Daily electricity consumption)	kWh	6.750		
	Warm climate	AEC (Annual electricity consumption)	kWh	1,033		
		η _{wh} (water heating efficiency)	%	163		
		Qelec (Daily electricity consumption)	kWh	4.800		

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHVH04S23DVG + ERGA04DV	EHVH08S23DVG + ERGA06DV	EHVH08S23DVG + ERGA08DV
	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 Tbiv (bivalent temperature)	Psup (at Tdesign -10°C) kW	2.0	1.6	1.0
			COPd	1.97	2.12	1.90
			Pdh kW	5.3	6.1	7.5
			PERd %	79	85	76
			Tbiv °C	-7	-6	-8
	Cold climate water outlet 55°C	General	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
	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

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHVH04S23DVG + ERGA04DV	EHVH08S23DVG + ERGA06DV	EHVH08S23DVG + ERGA08DV
Space heating	Warm climate water outlet 35°C	General	Prated at 2°C	kW	4.7	5.6	6.8
		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+++		
		A	COP _d		2.90	2.86	2.77
		Condition	P _{dh}	kW	5.5	6.0	7.0
		(-7°CDB/-8°CWB)	PER _d	%	116	114	111
		B Condition	C _{dh} (Degradation heating)		1.0		
		(2°CDB/1°CWB)	COP _d		4.33	4.25	4.35
			P _{dh}	kW	3.3	3.9	4.2
			PER _d	%	173	170	174
	C Condition	(7°CDB/6°CWB)	C _{dh} (Degradation heating)		1.0		
			COP _d		6.19	6.30	6.49
			P _{dh}	kW	3.2		3.3
			PER _d	%	248	252	260
	D Condition	(12°CDB/11°CWB)	C _{dh} (Degradation heating)		1.0		
			COP _d		7.78		8.52
			P _{dh}	kW	3.3		3.9
			PER _d	%	311		341
	Tol (temperature operating limit)		COP _d		2.56	2.49	2.41
			P _{dh}	kW	5.2	6.0	6.9
			PER _d	%	102	100	96
			TOL	°C	-10		
	Tbiv (bivalent temperature)		WTOL	°C	35		
			COP _d		2.90	3.07	2.66
			P _{dh}	kW	5.5	6.1	7.5
			PER _d	%	116	123	106
	Rated heat output		Tbiv	°C	-7	-6	-8
			P _{spu} (at T _{design} -10°C)	kW	0.8	1.0	1.1
Cold climate water outlet 35°C	General		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	General	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					EHVH04S18D6V + ERGA04DV	EHVH04S23D6V + ERGA04DV	EHVH08S18D6V + ERGA06DV	EHVH08S23D6V + ERGA06DV	EHVH08S18D6V + ERGA08DV	EHVH08S23D6V + ERGA08DV
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)	

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHVH04S18D6V + ERGA04DV		EHVH04S23D6V + ERGA04DV		EHVH08S18D6V + ERGA06DV		EHVH08S23D6V + ERGA06DV		EHVH08S18D6V + ERGA08DV		EHVH08S23D6V + ERGA08DV	
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)	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)		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		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				
		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 ERGA04-08DV

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Technical specifications				EHVH04S18D6V + ERGA04DV	EHVH04S23D6V + ERGA04DV	EHVH08S18D6V + ERGA06DV	EHVH08S23D6V + ERGA06DV	EHVH08S18D6V + ERGA08DV	EHVH08S23D6V + ERGA08DV
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
			Qhe 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 Tbiv (bivalent temperature)	Psup (at Tdesign -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	
		Tbiv	°C	-7		-6		-8	
Cold climate water outlet 55°C	General	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	

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHVH04S18D6V + ERGA04DV	EHVH04S23D6V + ERGA04DV	EHVH08S18D6V + ERGA06DV	EHVH08S23D6V + ERGA06DV	EHVH08S18D6V + ERGA08DV	EHVH08S23D6V + ERGA08DV
	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	
		Tol (temperature operating limit)	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	
			Tbiv (bivalent temperature)	COPd	2.56		2.49		2.41	
				Pdh kW	5.2		6.0		6.9	
				PERd %	102		100		96	
				TOL °C	-10					
			Rated heat output	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	
				Psup (at Tdesign -10°C) kW	0.8		1.0		1.1	

(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					EHVH04S18D6V + ERGA04DV	EHVH04S23D6V + ERGA04DV	EHVH08S18D6V + ERGA06DV	EHVH08S23D6V + ERGA06DV	EHVH08S18D6V + ERGA08DV	EHVH08S23D6V + ERGA08DV
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)	

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications			EHVH04S18D6VG + ERGA04DV		EHVH04S23D6VG + ERGA04DV		EHVH08S18D6VG + ERGA06DV		EHVH08S23D6VG + ERGA06DV		EHVH08S18D6VG + ERGA08DV		EHVH08S23D6VG + ERGA08DV		
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)	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)		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		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			
		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 ERGA04-08DV

Technical specifications				EHVH04S18D6VG + ERGA04DV	EHVH04S23D6VG + ERGA04DV	EHVH08S18D6VG + ERGA06DV	EHVH08S23D6VG + ERGA06DV	EHVH08S18D6VG + ERGA08DV	EHVH08S23D6VG + ERGA08DV			
 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 Tbiv (bivalent temperature)	Psup (at Tdesign -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			
		Tbiv	°C		-7		-6		-8			
	Cold climate water outlet 55°C	General	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			

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications					EHVH04S18D6VG + ERGA04DV	EHVH04S23D6VG + ERGA04DV	EHVH08S18D6VG + ERGA06DV	EHVH08S23D6VG + ERGA06DV	EHVH08S18D6VG + ERGA08DV	EHVH08S23D6VG + ERGA08DV
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	
Average climate water outlet 35°C		General	Prated at 2°C	kW	4.7		5.6		6.8	
			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+++					
		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					
		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	
Cold climate water outlet 35°C		General	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	
			Annual energy consumption	kWh	1,139		1,276		1,437	
Space heating	Warm climate water outlet 35°C		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					EHVH08S18D9W + ERGA06DV	EHVH08S23D9W + ERGA06DV	EHVH08S18D9W + ERGA08DV	EHVH08S23D9W + ERGA08DV
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)	

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHVH08S18D9W + ERGA06DV		EHVH08S23D9W + ERGA06DV		EHVH08S18D9W + ERGA08DV		EHVH08S23D9W + ERGA08DV	
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 ERGA04-08DV

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Technical specifications				EHVH08S18D9W + ERGA06DV	EHVH08S23D9W + ERGA06DV	EHVH08S18D9W + ERGA08DV	EHVH08S23D9W + ERGA08DV
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	
			Qhe Annual energy consumption (GCV) GJ	16.0		17.9	
			SCOP	3.26		3.32	
			Seasonal space heating eff. class	A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1.0			
			COPd	1.98		1.96	
			Pdh kW	5.9		6.9	
			PERd %	79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0			
			COPd	3.16		3.20	
			Pdh kW	3.9		4.4	
			PERd %	126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0			
			COPd	4.49		4.64	
			Pdh kW	3.0		3.3	
			PERd %	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0			
			COPd	6.10		6.22	
			Pdh kW	3.3		4.1	
			PERd %	244		249	
		Tol (temperature operating limit)	COPd	1.53		1.64	
			Pdh kW	5.4		7.1	
			PERd %	61		66	
			TOL °C	-10			
			WTOL °C	55			
	Rated heat output Tbiv (bivalent temperature)	General	Psup (at Tdesign -10°C) kW	1.6		0.9	
			COPd	2.12		1.90	
			Pdh kW	6.1		7.5	
			PERd %	85		76	
			Tbiv °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	

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHVH08S18D9W + ERGA06DV	EHVH08S23D9W + ERGA06DV	EHVH08S18D9W + ERGA08DV	EHVH08S23D9W + ERGA08DV
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			
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	3,749		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					EHVH08S18D9WG + ERGA06DV	EHVH08S23D9WG + ERGA06DV	EHVH08S18D9WG + ERGA08DV	EHVH08S23D9WG + ERGA08DV
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	
Heat up time from 10°C to 50°C				hr	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)	

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications				EHVH08S18D9WG + ERGA06DV	EHVH08S23D9WG + ERGA06DV	EHVH08S18D9WG + ERGA08DV	EHVH08S23D9WG + ERGA08DV
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
Qelec (Daily electricity consumption)			kWh	3.220	4.880	3.220	4.880

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHVH08S18D9WG + ERGA06DV	EHVH08S23D9WG + ERGA06DV	EHVH08S18D9WG + ERGA08DV	EHVH08S23D9WG + ERGA08DV
	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			
			COP _d	1.98		1.96	
			P _d h kW	5.9		6.9	
			PER _d %	79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0			
			COP _d	3.16		3.20	
			P _d h kW	3.9		4.4	
			PER _d %	126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0			
			COP _d	4.49		4.64	
			P _d h kW	3.0		3.3	
			PER _d %	180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0			
			COP _d	6.10		6.22	
			P _d h kW	3.3		4.1	
			PER _d %	244		249	
		Tol (temperature operating limit)	COP _d	1.53		1.64	
			P _d h kW	5.4		7.1	
			PER _d %	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	
			COP _d	2.12		1.90	
			P _d h kW	6.1		7.5	
			PER _d %	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	

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications					EHVH08S18D9WG + ERGA06DV	EHVH08S23D9WG + ERGA06DV	EHVH08S18D9WG + ERGA08DV	EHVH08S23D9WG + ERGA08DV
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	General	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			
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	General	Annual energy consumption	kWh	3,749		5,034	
			η _s (Seasonal space heating efficiency)	%	155		154	
			Prated at -22°C	kW	6.0		8.0	
			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					EHVX04S23D3V + ERGA04DV	EHVX04S18D3V + ERGA04DV
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	0.940 (1) / 1.36 (2)	
	Domestic hot water from 10°C	Nom.		kWh	3.01	
					2.48	
Heat up time from 10°C to 50°C				hr	1h40min	1h28min
COP					5.10 (1) / 3.65 (2)	
EER					5.17 (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 ERGA04-08DV

Technical specifications			EHVX04S23D3V + ERGA04DV	EHVX04S18D3V + ERGA04DV
General	Supplier/Manufacturer details	Name and address	Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
		Name or trademark	Daikin Europe N.V.	
	Product description	Air-to-water heat pump	Yes	
		Brine-to-water heat pump	No	
		Heat pump combination heater	Yes	
		Low-temperature heat pump	No	
		Supplementary heater integrated	Yes	
LW(A) Sound power level (according to EN14825)	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
Domestic hot water heating	General	Pto (Thermostat off)	kW	0.010
		Declared load profile	XL	L
		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	1,252
		ηwh (water heating efficiency)	%	134
		Qelec (Daily electricity consumption)	kWh	5.810
Domestic hot water heating	Average climate	Water heating energy efficiency class	A+	
	Cold climate	AEC (Annual electricity consumption)	kWh	1,457
		ηwh (water heating efficiency)	%	116
		Qelec (Daily electricity consumption)	kWh	6.750
	Warm climate	AEC (Annual electricity consumption)	kWh	1,033
		ηwh (water heating efficiency)	%	163
		Qelec (Daily electricity consumption)	kWh	4.800

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications			EHVX04S23D3V + ERGA04DV		EHVX04S18D3V + ERGA04DV	
2 Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769	
			ηs (Seasonal space heating efficiency)	%	129	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	13.6	
			SCOP		3.29	
			Seasonal space heating eff. class		A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		1.97	
			Pdh	kW	5.3	
			PERd	%	79	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		3.23	
			Pdh	kW	3.3	
			PERd	%	129	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.40	
			Pdh	kW	3.0	
			PERd	%	176	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.10	
			Pdh	kW	3.3	
			PERd	%	244	
		Tol (temperature operating limit)	COPd		1.37	
			Pdh	kW	4.0	
			PERd	%	55	
			TOL	°C	-10	
		Rated heat output	WTOL	°C	55	
			Psup (at Tdesign -10°C)	kW	2.0	
			Tbiv (bivalent temperature)	COPd	1.97	
			Pdh	kW	5.3	

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHVX04S23D3V + ERGA04DV	EHVX04S18D3V + ERGA04DV
 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				EHVX04S18D3VG + ERGA04DV	EHVX04S23D3VG + ERGA04DV
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)	
Cooling capacity	Nom.		kW	4.86 (1) / 4.52 (2)	

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications					EHVX04S18D3VG + ERGA04DV		EHVX04S23D3VG + ERGA04DV	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)			
	Cooling	Nom.		kW	0.940 (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					5.17 (1) / 3.32 (2)			
Pump	Nominal	Cooling		kPa	54.6 (1) / 58.8 (2)			
	ESP unit	Heating		kPa	59.6 (1) / 58.6 (2)			
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	15.9 (1) / 13.0 (2)			
		Heating	Nom.	l/min	12.3 (1) / 13.2 (2)			
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium			
		Name or trademark			Daikin Europe N.V.			
	Product description	Air-to-water heat pump			Yes			
		Brine-to-water heat pump			No			
		Heat pump combination heater			Yes			
		Low-temperature heat pump			No			
		Supplementary heater integrated			Yes			
		Water-to-water heat pump			No			
	LW(A) Sound power level	Indoor		dB(A)	42			
	LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	58			
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825			
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	2,280.0			
	Other	Capacity control			Inverter			
		Pck (Crankcase heater mode)		kW	0.000			
		Poff (Off mode)		kW	0.010			
		Psb (Standby mode)		kW	0.010			
		Pto (Thermostat off)		kW	0.010			
	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			
	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	
	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 ERGA04-08DV

Technical specifications			EHVX04S18D3VG + ERGA04DV		EHVX04S23D3VG + ERGA04DV	
	Space heating	Average climate water outlet 55°C	General	Annual energy consumption kWh	3,769	
				ηs (Seasonal space heating efficiency) %	129	
				Prated at -10°C kW	6.0	
				Qhe Annual energy consumption (GCV) GJ	13.6	
				SCOP	3.29	
				Seasonal space heating eff. class	A++	
			A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1.0	
				COPd	1.97	
				Pdh kW	5.3	
				PERd %	79	
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0	
				COPd	3.23	
				Pdh kW	3.3	
				PERd %	129	
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0	
				COPd	4.40	
				Pdh kW	3.0	
				PERd %	176	
			D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0	
				COPd	6.10	
				Pdh kW	3.3	
				PERd %	244	
			Tol (temperature operating limit)	COPd	1.37	
				Pdh kW	4.0	
				PERd %	55	
				TOL °C	-10	
			Rated heat output	WTOL °C	55	
				Psup (at Tdesign -10°C) kW	2.0	
				Tbiv (bivalent temperature) COPd	1.97	
				Pdh kW	5.3	

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHVX04S18D3VG + ERGA04DV	EHVX04S23D3VG + ERGA04DV
Space heating	Average climate water outlet 55°C	Tbiv (bivalent temperature)	PERd	%	79	
			Tbiv	°C	-7	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,446	
			ηs (Seasonal space heating efficiency)	%	108	
			Prated at -22°C	kW	5.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,616	
			ηs (Seasonal space heating efficiency)	%	152	
			Prated at 2°C	kW	4.7	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,729	
			ηs (Seasonal space heating efficiency)	%	179	
			Prated at -10°C	kW	6.0	
			Qhe Annual energy consumption (GCV)	Gj	9.82	
			SCOP		4.54	
			Seasonal space heating eff. class		A+++	
	A Condition (-7°CDB/-8°CWB)	COPd			2.90	
			Pdh	kW	5.5	
			PERd	%	116	
	B Condition (2°CDB/1°CWB)	CdH (Degradation heating)			1.0	
			COPd		4.33	
			Pdh	kW	3.3	
	C Condition (7°CDB/6°CWB)	CdH (Degradation heating)			1.0	
			COPd		6.19	
			Pdh	kW	3.2	
	D Condition (12°CDB/11°CWB)	CdH (Degradation heating)			1.0	
			COPd		7.78	
			Pdh	kW	3.3	
	Tol (temperature operating limit)	PERd			311	
	Tbiv (bivalent temperature)	COPd			2.56	
		Pdh			5.2	
		PERd			102	
		TOL			-10	
		WTOL			35	
		COPd			2.90	
		Pdh			5.5	
		PERd			116	
Space heating	Average climate water outlet 35°C	Tbiv (bivalent temperature)	Tbiv	°C	-7	
			Psup (at Tdesign -10°C)	kW	0.8	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208	
			ηs (Seasonal space heating efficiency)	%	151	
			Prated at -22°C	kW	5.0	
	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				EHVX04S18D6V + ERGA04DV	EHVX04S23D6V + ERGA04DV	EHVX08S18D6V + ERGA06DV	EHVX08S23D6V + ERGA06DV	EHVX08S23D6V + ERGA08DV	EHVX08S18D6V + ERGA08DV
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)	

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1 - 1 ERGA04-08DV

Technical specifications					EHVX04S18D6V + ERGA04DV	EHVX04S23D6V + ERGA04DV	EHVX08S18D6V + ERGA06DV	EHVX08S23D6V + ERGA06DV	EHVX08S23D6V + ERGA08DV	EHVX08S18D6V + ERGA08DV	
Power input	Heating	Nom.		kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
	Cooling	Nom.		kW	0.940 (1) / 1.36 (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	
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min		1h28min	
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
EER					5.17 (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						
		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		L
Function to fix water heating during off peak hours				No							
Space heating general	Integrated supplementary heater	Psup		kW	6.0						
		Type of energy input			Electrical						
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)		kWh	820	1,267	820	1,267		820	
		ηwh (water heating efficiency)		%	125	133	125	133		125	
		Qelec (Daily electricity consumption)		kWh	3.870	5.900	3.870	5.900		3.870	
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	
		Qelec (Daily electricity consumption)		kWh	4.480	6.860	4.480	6.860		4.480	
		AEC (Annual electricity consumption)		kWh	680	1,046	680	1,046		680	
	Warm climate	ηwh (water heating efficiency)		%	151	161	151	161		151	
		Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880		3.220	

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications					EHVX04S18D6V + ERGA04DV	EHVX04S23D6V + ERGA04DV	EHVX08S18D6V + ERGA06DV	EHVX08S23D6V + ERGA06DV	EHVX08S23D6V + ERGA08DV	EHVX08S18D6V + ERGA08DV
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	
		T _{biv} (bivalent temperature)	COPd		1.97		2.12		1.90	
			Pdh	kW	5.3		6.1		7.5	

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1 - 1 ERGA04-08DV

Technical specifications					EHVX04S18D6V + ERGA04DV	EHVX04S23D6V + ERGA04DV	EHVX08S18D6V + ERGA06DV	EHVX08S23D6V + ERGA06DV	EHVX08S18D6V + ERGA08DV	EHVX08S23D6V + ERGA08DV
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 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	
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)					1.0			
			COPd		6.19		6.30		6.49	
			Pdh	kW		3.2			3.3	
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)					1.0			
			COPd			7.78			8.52	
			Pdh	kW		3.3			3.9	
	Tol (temperature operating limit)	COPd				311			341	
			Pdh	kW	2.56		2.49		2.41	
			PERd	%	5.2		6.0		6.9	
	Tbiv (bivalent temperature)	COPd			102		100		96	
			TOL	°C			-10			
			WTOL	°C			35			
	Rated heat output	Psup (at Tdesign -10°C)			2.90		3.07		2.66	
			Pdh	kW	5.5		6.1		7.5	
			PERd	%	116		123		106	
Space heating 	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				EHVX04S18D6V + ERGA04DV	EHVX04S23D6V + ERGA04DV	EHVX08S18D6V + ERGA06DV	EHVX08S23D6V + ERGA06DV	EHVX08S18D6V + ERGA08DV	EHVX08S23D6V + ERGA08DV
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 ERGA04-08DV

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Technical specifications				EHVX04S18D6VG + ERGA04DV	EHVX04S23D6VG + ERGA04DV	EHVX08S18D6VG + ERGA06DV	EHVX08S23D6VG + ERGA06DV	EHVX08S18D6VG + ERGA08DV	EHVX08S23D6VG + ERGA08DV
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.	kW	0.940 (1) / 1.36 (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				5.17 (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	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
	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 ERGA04-08DV

Technical specifications				EHVX04S18D6VG + ERGA04DV	EHVX04S23D6VG + ERGA04DV	EHVX08S18D6VG + ERGA06DV	EHVX08S23D6VG + ERGA06DV	EHVX08S18D6VG + ERGA08DV	EHVX08S23D6VG + ERGA08DV		
 Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,769		4,405		4,939		
			ηs (Seasonal space heating efficiency)	%	129		128		131		
			Prated at -10°C	kW	6.0		7.0		8.0		
			Qhe 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		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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1 - 1 ERGA04-08DV

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Technical specifications					EHVX04S18D6VG + ERGA04DV	EHVX04S23D6VG + ERGA04DV	EHVX08S18D6VG + ERGA06DV	EHVX08S23D6VG + ERGA06DV	EHVX08S18D6VG + ERGA08DV	EHVX08S23D6VG + ERGA08DV
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)	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	COPd		2.56		2.49		2.41	
			Pdh	kW	5.2		6.0		6.9	
			PERd	%	102		100		96	
			TOL	°C			-10			
		WTOL	WTOL	°C			35			
			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	
	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	
			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				EHVX08S18D9W + ERGA06DV	EHVX08S23D9W + ERGA06DV	EHVX08S18D9W + ERGA08DV	EHVX08S23D9W + ERGA08DV
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)	

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHVX08S18D9W + ERGA06DV		EHVX08S23D9W + ERGA06DV		EHVX08S18D9W + ERGA08DV		EHVX08S23D9W + ERGA08DV		
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								
		Outdoor	dB(A)		60				62				
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								
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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1 - 1 ERGA04-08DV

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Technical specifications				EHVX08S18D9W + ERGA06DV	EHVX08S23D9W + ERGA06DV	EHVX08S18D9W + ERGA08DV	EHVX08S23D9W + ERGA08DV	
 Space heating Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,405		4,939		
		η _s (Seasonal space heating efficiency)	%	128		131		
		Prated at -10°C	kW	7.0		8.0		
		Q _{he} Annual 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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1 - 1 ERGA04-08DV

Technical specifications					EHVX08S18D9W + ERGA06DV	EHVX08S23D9W + ERGA06DV	EHVX08S18D9W + ERGA08DV	EHVX08S23D9W + ERGA08DV
Space heating	Average climate water outlet 55°C	Tbiv (bivalent temperature)	PERd Tbiv	% °C	85 -6		76 -8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,278		6,864	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813		2,168	
			ηs (Seasonal space heating efficiency)	%	162		165	
			Prated at 2°C	kW	5.6		6.8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	178		181	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	11.5		12.9	
			SCOP		4.52		4.61	
			Seasonal space heating eff. class		A+++			
	A Condition (-7°CDB/-8°CWB)	COPd	COPd		2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114		111	
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	Cdh (Degradation heating)		1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	
	Tol (temperature operating limit)	PERd	PERd	%	311		341	
			COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
	Tbiv (bivalent temperature)	PERd	PERd	%	100		96	
			TOL	°C		-10		
			WTOL	°C		35		
	35°C	COPd	COPd		3.07		2.66	
			Pdh	kW	6.1		7.5	
			PERd	%	123		106	
Space heating	Average climate water outlet 35°C	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				EHVX08S18D9WG + ERGA06DV	EHVX08S23D9WG + ERGA06DV	EHVX08S18D9WG + ERGA08DV	EHVX08S23D9WG + ERGA08DV
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					EHVX08S18D9WG + ERGA06DV		EHVX08S23D9WG + ERGA06DV		EHVX08S18D9WG + ERGA08DV		EHVX08S23D9WG + ERGA08DV		
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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1 - 1 ERGA04-08DV

Technical specifications				EHVX08S18D9WG + ERGA06DV	EHVX08S23D9WG + ERGA06DV	EHVX08S18D9WG + ERGA08DV	EHVX08S23D9WG + ERGA08DV
Space heating Average climate water outlet 55°C	General	Annual energy consumption	kWh	4,405		4,939	
		η _s (Seasonal space heating efficiency)	%	128		131	
		Prated at -10°C	kW	7.0		8.0	
		Q _{he} Annual energy consumption (GCV)	Gj	15.9		17.8	
		SCOP		3.28		3.35	
		Seasonal space heating eff. class		A++			
		A Condition	Cdh (Degradation heating)	1.0			
		(-7°CDB/-8°CWB)	COPd	1.98		1.96	
			Pdh kW	5.9		6.9	
			PERd %	79		78	
		B Condition	Cdh (Degradation heating)	1.0			
		(2°CDB/1°CWB)	COPd	3.16		3.20	
			Pdh kW	3.9		4.4	
			PERd %	126		128	
		C Condition	Cdh (Degradation heating)	1.0			
		(7°CDB/6°CWB)	COPd	4.49		4.64	
			Pdh kW	3.0		3.3	
			PERd %	180		186	
		D Condition	Cdh (Degradation heating)	1.0			
		(12°CDB/11°CWB)	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	P _{sup} (at T _{design} -10°C) kW	1.6		0.9	
		T _{biv} (bivalent temperature)	COPd	2.12		1.90	
			Pdh kW	6.1		7.5	

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Technical specifications					EHVX08S18D9WG + ERGA06DV	EHVX08S23D9WG + ERGA06DV	EHVX08S18D9WG + ERGA08DV	EHVX08S23D9WG + ERGA08DV
Space heating	Average climate water outlet 55°C	Tbiv (bivalent temperature)	PERd	%	85		76	
			Tbiv	°C	-6		-8	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,278		6,864	
			ηs (Seasonal space heating efficiency)	%	109		112	
			Prated at -22°C	kW	6.0		8.0	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,813		2,168	
			ηs (Seasonal space heating efficiency)	%	162		165	
			Prated at 2°C	kW	5.6		6.8	
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	178		181	
			Prated at -10°C	kW	7.0		8.0	
			Qhe Annual energy consumption (GCV)	Gj	11.5		12.9	
			SCOP		4.52		4.61	
			Seasonal space heating eff. class		A+++			
	A Condition (-7°CDB/-8°CWB)	COPd			2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114		111	
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0			
			COPd		7.78		8.52	
			Pdh	kW	3.3		3.9	
	Tol (temperature operating limit)	PERd		%	311		341	
			COPd		2.49		2.41	
			Pdh	kW	6.0		6.9	
	Tbiv (bivalent temperature)	PERd		%	100		96	
			TOL	°C		-10		
			WTOL	°C		35		
	35°C	COPd			3.07		2.66	
			Pdh	kW	6.1		7.5	
			PERd	%	123		106	
Space heating	Average climate water outlet 35°C	Rated heat output	Tbiv	°C	-6		-8	
			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		EHVZ04S18D6V + ERGA04DV	EHVZ08S18D6V + ERGA06DV	EHVZ08S23D6V + ERGA06DV	EHVZ08S18D6V + ERGA08DV	EHVZ08S23D6V + ERGA08DV
Heating capacity	Nom.	kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)	

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHVZ04S18D6V + ERGA04DV	EHVZ08S18D6V + ERGA06DV	EHVZ08S23D6V + ERGA06DV	EHVZ08S18D6V + ERGA08DV	EHVZ08S23D6V + ERGA08DV
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)			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	6.0				
		Type of energy input		Electrical					
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)		kWh	820		1,267	820	1,267
		ηwh (water heating efficiency)		%	125		133	125	133
		Qelec (Daily electricity consumption)		kWh	3.870		5.900	3.870	5.900
		Water heating energy efficiency class		A+					
	Cold climate	AEC (Annual electricity consumption)		kWh	951		1,475	951	1,475
		ηwh (water heating efficiency)		%	107		114	107	114
		Qelec (Daily electricity consumption)		kWh	4.480		6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)		kWh	680		1,046	680	1,046
Domestic hot water heating	Warm climate	ηwh (water heating efficiency)		%	151		161	151	161
		Qelec (Daily electricity consumption)		kWh	3.220		4.880	3.220	4.880

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications				EHVZ04S18D6V + ERGA04DV	EHVZ08S18D6V + ERGA06DV	EHVZ08S23D6V + ERGA06DV	EHVZ08S18D6V + ERGA08DV	EHVZ08S23D6V + ERGA08DV
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)	General	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	
			T _{biv} °C	-7	-6		-8	
			Annual energy consumption kWh	4,468	5,300		6,886	
Cold climate water outlet 55°C		General	η _s (Seasonal space heating efficiency) %	107	109		112	
			Prated at -22°C kW	5.0	6.0		8.0	

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHVZ04S18D6V + ERGA04DV	EHVZ08S18D6V + ERGA06DV	EHVZ08S23D6V + ERGA06DV	EHVZ08S18D6V + ERGA08DV	EHVZ08S23D6V + ERGA08DV		
 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+++						
		A	COPd		2.90	2.86		2.77			
			Pdh	kW	5.5	6.0		7.0			
			PERd	%	116	114		111			
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0						
			COPd		4.33	4.25		4.35			
			Pdh	kW	3.3	3.9		4.2			
			PERd	%	173	170		174			
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
				COPd		6.19	6.30		6.49		
				Pdh	kW	3.2		3.3			
			PERd	%	248	252		260			
				D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0				
	COPd				7.78		8.52				
	Pdh	kW			3.3		3.9				
			PERd	%	311		341				
			Tol (temperature operating limit)	COPd		2.56	2.49		2.41		
				Pdh	kW	5.2	6.0		6.9		
				PERd	%	102	100		96		
			TOL	°C	-10						
			WTOL	°C	35						
		Tbiv (bivalent temperature)	COPd		2.90	3.07		2.66			
			Pdh	kW	5.5	6.1		7.5			
			PERd	%	116	123		106			
			Tbiv	°C	-7	-6		-8			
			Rated heat output	Psup (at Tdesign -10°C)	kW	0.8	1.0		1.1		
				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		
Space heating			Warm climate water outlet 35°C	General	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					EHVZ04S18D6VG + ERGA04DV	EHVZ08S18D6VG + ERGA06DV	EHVZ08S23D6VG + ERGA06DV	EHVZ08S18D6VG + ERGA08DV	EHVZ08S23D6VG + ERGA08DV
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
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					59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger					12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications				EHVZ04S18D6VG + ERGA04DV		EHVZ08S18D6VG + ERGA06DV		EHVZ08S23D6VG + ERGA06DV		EHVZ08S18D6VG + ERGA08DV		EHVZ08S23D6VG + ERGA08DV	
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)	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)		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	6.0									
		Type of energy input		Electrical									
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	820		1,267		820		1,267			
		ηwh (water heating efficiency)	%	125		133		125		133			
		Qelec (Daily electricity consumption)	kWh	3.870		5.900		3.870		5.900			
		Water heating energy efficiency class		A+									
	Cold climate	AEC (Annual electricity consumption)	kWh	951		1,475		951		1,475			
		ηwh (water heating efficiency)	%	107		114		107		114			
		Qelec (Daily electricity consumption)	kWh	4.480		6.860		4.480		6.860			
	Warm climate	AEC (Annual electricity consumption)	kWh	680		1,046		680		1,046			
	Domestic hot water heating	Warm climate	ηwh (water heating efficiency)	%	151		161		151		161		
			Qelec (Daily electricity consumption)	kWh	3.220		4.880		3.220		4.880		

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHVZ04S18D6VG + ERGA04DV	EHVZ08S18D6VG + ERGA06DV	EHVZ08S23D6VG + ERGA06DV	EHVZ08S18D6VG + ERGA08DV	EHVZ08S23D6VG + ERGA08DV
 Space heating Average climate water outlet 55°C	General A B Condition (-7°CDB/-8°CWB) C Condition (2°CDB/1°CWB) D Condition (7°CDB/6°CWB) E Condition (12°CDB/11°CWB) Tol (temperature operating limit) Rated heat output Tbiv (bivalent temperature) Cold climate water outlet 55°C	Annual energy consumption kWh ηs (Seasonal space heating efficiency) % Prated at -10°C kW Qhe Annual energy consumption (GCV) GJ SCOP Seasonal space heating eff. class Cdh (Degradation heating) COPd Pdh kW PERd % Cdh (Degradation heating) COPd Pdh kW PERd % Cdh (Degradation heating) COPd Pdh kW PERd % Cdh (Degradation heating) COPd Pdh kW PERd % Cdh (Degradation heating) COPd Pdh kW PERd % TOL °C WTOL °C Psup (at Tdesign -10°C) kW COPd Pdh kW PERd % Tbiv °C Annual energy consumption kWh ηs (Seasonal space heating efficiency) % Prated at -22°C kW	3,806	4,441		4,975		
			127		130			
			6.0	7.0		8.0		
			13.7	16.0		17.9		
			3.26		3.32			
			A++					
			1.0					
			1.97	1.98		1.96		
			5.3	5.9		6.9		
			79		78			
			1.0					
			3.23	3.16		3.20		
			3.3	3.9		4.4		
			129	126		128		
			1.0					
			4.40	4.49		4.64		
			3.0		3.3			
			176	180		186		
			1.0					
			6.10		6.22			
			3.3		4.1			
			244		249			
			1.37	1.53		1.64		
			4.0	5.4		7.1		
			55	61		66		
			-10					
			55					
			2.0	1.6		0.9		
			1.97	2.12		1.90		
			5.3	6.1		7.5		
			79	85		76		
			-7	-6		-8		
			4,468	5,300		6,886		
			107	109		112		
			5.0	6.0		8.0		

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications					EHVZ04S18D6VG + ERGA04DV	EHVZ08S18D6VG + ERGA06DV	EHVZ08S23D6VG + ERGA06DV	EHVZ08S18D6VG + ERGA08DV	EHVZ08S23D6VG + ERGA08DV	
 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+++						
		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				
	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	3,230	3,749		5,034			
		η _s (Seasonal space heating efficiency)	%	150	155		154			
		Prated at -22°C	kW	5.0	6.0		8.0			
Space heating	Warm climate water outlet 35°C	General	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					EHVZ08S18D9W + ERGA06DV	EHVZ08S23D9W + ERGA06DV	EHVZ08S18D9W + ERGA08DV	EHVZ08S23D9W + ERGA08DV
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)	

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHVZ08S18D9W + ERGA06DV	EHVZ08S23D9W + ERGA06DV	EHVZ08S18D9W + ERGA08DV	EHVZ08S23D9W + ERGA08DV	
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 ERGA04-08DV

2

Technical specifications				EHVZ08S18D9W + ERGA06DV	EHVZ08S23D9W + ERGA06DV	EHVZ08S18D9W + ERGA08DV	EHVZ08S23D9W + ERGA08DV
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
			Qhe Annual energy consumption (GCV)	Gj		16.0	17.9
			SCOP			3.26	3.32
			Seasonal space heating eff. class			A++	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1.0	
			COPd			1.98	1.96
			Pdh	kW		5.9	6.9
			PERd	%		79	78
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0	
			COPd			3.16	3.20
			Pdh	kW		3.9	4.4
			PERd	%		126	128
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0	
			COPd			4.49	4.64
			Pdh	kW		3.0	3.3
			PERd	%		180	186
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0	
			COPd			6.10	6.22
			Pdh	kW		3.3	4.1
			PERd	%		244	249
		Tol (temperature operating limit)	COPd			1.53	1.64
			Pdh	kW		5.4	7.1
			PERd	%		61	66
			TOL	°C		-10	
			WTOL	°C		55	
		Rated heat output Tbiv (bivalent temperature)	Psup (at Tdesign -10°C)	kW		1.6	0.9
			COPd			2.12	1.90
			Pdh	kW		6.1	7.5
			PERd	%		85	76
		Cold climate water outlet 55°C	Tbiv	°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

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHVZ08S18D9W + ERGA06DV	EHVZ08S23D9W + ERGA06DV	EHVZ08S18D9W + ERGA08DV	EHVZ08S23D9W + ERGA08DV
 Space heating	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		2,213
			ηs (Seasonal space heating efficiency)	%	158		161
			Prated at 2°C	kW	5.6		6.8
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,233		3,625
			ηs (Seasonal space heating efficiency)	%	176		179
			Prated at -10°C	kW	7.0		8.0
			Qhe Annual energy consumption (GCV)	Gj	11.6		13.1
			SCOP		4.47		4.56
			Seasonal space heating eff. class		A+++		
	A Condition (-7°CDB/-8°CWB)		COPd		2.86		2.77
			Pdh	kW	6.0		7.0
			PERd	%	114		111
	B Condition (2°CDB/1°CWB)		Cdh (Degradation heating)		1.0		
			COPd		4.25		4.35
			Pdh	kW	3.9		4.2
			PERd	%	170		174
			Cdh (Degradation heating)		1.0		
			COPd		6.30		6.49
	C Condition (7°CDB/6°CWB)		Pdh	kW	3.2		3.3
			PERd	%	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		2.49		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		Psup (at Tdesign -10°C)	kW	1.0		1.1
			Annual energy consumption	kWh	3,749		5,034
			ηs (Seasonal space heating efficiency)	%	155		154
	Cold climate water outlet 35°C	General	Prated at -22°C	kW	6.0		8.0
			Annual energy consumption	kWh	1,276		1,437
			ηs (Seasonal space heating efficiency)	%	248		257
 Space heating	Warm climate water outlet 35°C	General	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				EHVZ08S18D9WG + ERGA06DV	EHVZ08S23D9WG + ERGA06DV	EHVZ08S18D9WG + ERGA08DV	EHVZ08S23D9WG + ERGA08DV
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	
Heat up time from 10°C to 50°C			hr	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)	

2 Specifications

1 - 1 ERGA04-08DV

2

Technical specifications				EHVZ08S18D9WG + ERGA06DV		EHVZ08S23D9WG + ERGA06DV		EHVZ08S18D9WG + ERGA08DV		EHVZ08S23D9WG + ERGA08DV		
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)	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		
		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 ERGA04-08DV

Technical specifications				EHVZ08S18D9WG + ERGA06DV	EHVZ08S23D9WG + ERGA06DV	EHVZ08S18D9WG + ERGA08DV	EHVZ08S23D9WG + ERGA08DV
	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			
			COPd	1.98		1.96	
			Pdh kW	5.9		6.9	
			PERd %	79		78	
			B Condition Cdh (Degradation heating)	1.0			
			COPd	3.16		3.20	
			Pdh kW	3.9		4.4	
			PERd %	126		128	
			C Condition Cdh (Degradation heating)	1.0			
			COPd	4.49		4.64	
			Pdh kW	3.0		3.3	
			PERd %	180		186	
			D Condition 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 P _{sup} (at T _{design} -10°C) kW	1.6		0.9	
			T _{biv} (bivalent temperature) COPd	2.12		1.90	
			Pdh kW	6.1		7.5	
			PERd %	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 ERGA04-08DV

2

Technical specifications					EHVZ08S18D9WG + ERGA06DV	EHVZ08S23D9WG + ERGA06DV	EHVZ08S18D9WG + ERGA08DV	EHVZ08S23D9WG + ERGA08DV
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	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	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		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					EHS04P30D2 + ERGA04DV	EHS08P30D2 + ERGA06DV	EHS08P30D2 + ERGA08DV
Indoor unit					EHS04P30D2	EHS08P30D2	
Outdoor unit					ERGA04DAV3	ERGA06DAV3	ERGA08DAV3
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	0.840 (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					Grundfos UPM3K 25-75 CHBL		
	Type						
	Nominal ESP unit	Heating		kPa	66.0 (1) / 65.0 (2)	57.4 (1) / 58.1 (2)	42.7 (1) / 38.7 (2)
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications			EHS04P30D2 + ERGA04DV	EHS08P30D2 + ERGA06DV	EHS08P30D2 + ERGA08DV
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	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) m ³ /h	2,280	2,520	2,770
	Other	Capacity control	Inverter		
		Poff (Off mode) kW	0.010		
		Psb (Standby mode) kW	0.010		
		Pto (Thermostat off) kW	0.010		
Domestic hot water heating	General	Declared load profile	L		
		Function to fix water heating during off peak hours	Yes		
Space heating general	Integrated supplementary	Type of energy input	Electrical		
Domestic hot water heating	Average climate	AEC (Annual electricity consumption) kWh	888		
		COPdhw	2.76		
		Heat up time	1h 23min		
		Mixed water at 40°C l	137		
		η _{wh} (water heating efficiency) %	115		
		Qelec (Daily electricity consumption) kWh	4.219		
		Reference hot water temperature °C	44.5		
		Stand-by power input W	31.7		
		Water heating energy efficiency class	A+		
Domestic hot water heating	Cold climate	AEC (Annual electricity consumption) kWh	1,024		
		COPdhw	2.41		
		Mixed water at 40°C l	137.0		
		η _{wh} (water heating efficiency) %	100		
		Qelec (Daily electricity consumption) kWh	4.839		
		Reference hot water temperature °C	44.5		
	Warm climate	AEC (Annual electricity consumption) kWh	845		
		COPdhw	2.90		
		Mixed water at 40°C l	137.0		
		η _{wh} (water heating efficiency) %	121		
		Qelec (Daily electricity consumption) kWh	4.023		
		Reference hot water temperature °C	44.5		

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHS04P30D2 + ERGA04DV	EHS08P30D2 + ERGA06DV	EHS08P30D2 + ERGA08DV
2 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
		SCOP		3.26		3.32
		Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)		1.0		
		Cdh (Degradation heating)				
		COPd		1.97	1.98	1.96
		Pdh	kW	5.3	5.9	6.9
		PERd	%	79.0		78.0
		B Condition (2°CDB/1°CWB)		1.0		
		Cdh (Degradation heating)				
		COPd		3.23	3.16	3.20
		Pdh	kW	3.3	3.9	4.4
		PERd	%	129.0	126.0	128.0
		C Condition (7°CDB/6°CWB)		1.0		
		Cdh (Degradation heating)				
		COPd		4.40	4.49	4.64
		Pdh	kW	3.0		3.3
		PERd	%	176.0	180.0	186.0
		D Condition (12°CDB/11°CWB)		1.0		
		Cdh (Degradation heating)				
		COPd		6.10		6.22
		Pdh	kW	3.3		4.1
		PERd	%	244.0		249.0
		Tol (temperature operating limit)		1.37	1.53	1.64
		COPd				
		Pdh	kW	4.0	5.4	7.1
		PERd	%	55.0	61.0	66.0
		TOL	°C	-10		

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHSB04P30D2 + ERGA04DV		EHSB08P30D2 + ERGA06DV		EHSB08P30D2 + ERGA08DV			
 Space heating	Average climate water outlet 55°C	Tol (temperature operating limit)	WTOL	°C	55						
			Tbiv (bivalent temperature)	COPd	1.97		2.12		1.90		
				Pdh	5.3		6.1		7.5		
				PERd	79.0		85.0		76.0		
				Tbiv	-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		
	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		
	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	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	%	116.0		114.0		111.0	
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
				COPd		4.33		4.25		4.35	
				Pdh	kW	3.3		3.9		4.2	
				PERd	%	173.0		170.0		174.0	
				C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0				
			COPd			6.19		6.30		6.49	
	Pdh	kW			3.2		3.3				
	PERd	%	248.0		252.0		260.0				
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0						
		COPd		7.78				8.52			
Pdh		kW	3.3				3.9				
PERd		%	311.0				341.0				
Tol (temperature operating limit)		COPd		2.56		2.49		2.41			
	Pdh	kW	5.2		6.0		6.9				
	PERd	%	102.0		100.0		96.0				
	TOL	°C	-10								
	WTOL	°C	35								
 Space heating	Average climate water outlet 35°C	Tbiv (bivalent temperature)	COPd		2.90		2.49		2.66		
			Pdh	kW	5.5		6.0		7.5		
			PERd	%	116.0		100.0		106.0		
			Tbiv	°C	-7		-6		-8		
	Rated heat output		Psup (at Tdesign -10°C)	kW	0.8		-				
	Cold 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		
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139		1,276		1,437		
			ηs (Seasonal space heating efficiency)	%	241		248		257		
			Prated at 2°C	kW	5		6		7		

(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		EHSB04P30D2 + ERGA04DV	EHSB08P30D2 + ERGA06DV	EHSB08P30D2 + ERGA08DV
Indoor unit		EHSB04P30D2	EHSB08P30D2	

2 Specifications

1 - 1 ERGA04-08DV

2

Technical specifications					EHSHB04P30D2 + ERGA04DV		EHSHB08P30D2 + ERGA06DV		EHSHB08P30D2 + ERGA08DV		
Outdoor unit					ERGA04DAV3		ERGA06DAV3		ERGA08DAV3		
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	0.840 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
COP					5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Pump	Type				Grundfos UPM3K 25-75 CHBL						
	Nominal ESP unit	Heating		kPa	66.0 (1) / 65.0 (2)		57.4 (1) / 58.1 (2)		42.7 (1) / 38.7 (2)		
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)		
General	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						
		Poff (Off mode)			kW	0.010					
		Psb (Standby mode)			kW	0.010					
		Pto (Thermostat off)			kW	0.010					
	General	Declared load profile			L						
		Function to fix water heating during off peak hours			Yes						
	Space heating general	Integrated supplementary	Type of energy input			Electrical					
	Average climate	AEC (Annual electricity consumption)	kWh		888						
		COPdhw			2.76						
		Heat up time			1h 23min						
		Mixed water at 40°C	l		137						
		ηwh (water heating efficiency)	%		115						
		Qelec (Daily electricity consumption)	kWh		4.219						
		Reference hot water temperature	°C		44.5						
		Stand-by power input	W		31.7						
		Water heating energy efficiency class			A+						
		Cold climate	AEC (Annual electricity consumption)	kWh		1,024					
			COPdhw			2.41					
Mixed water at 40°C			l		137.0						
ηwh (water heating efficiency)			%		100						
Qelec (Daily electricity consumption)			kWh		4.839						
Reference hot water temperature			°C		44.5						
Warm climate		AEC (Annual electricity consumption)	kWh		845						
		COPdhw			2.90						
		Mixed water at 40°C	l		137.0						
		ηwh (water heating efficiency)	%		121						
	Qelec (Daily electricity consumption)	kWh		4.023							
	Reference hot water temperature	°C		44.5							

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHSB04P30D2 + ERGA04DV	EHSB08P30D2 + ERGA06DV	EHSB08P30D2 + ERGA08DV
	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
			SCOP	3.26		3.32
			Seasonal space heating eff. class	A++		
			A Condition	1.0		
			Cdh (Degradation heating)			
			COPd	1.97	1.98	1.96
			Pdh kW	5.3	5.9	6.9
			PERd %	79.0		78.0
			B Condition	1.0		
			Cdh (Degradation heating)			
			COPd	3.23	3.16	3.20
			Pdh kW	3.3	3.9	4.4
			PERd %	129.0	126.0	128.0
			C Condition	1.0		
			Cdh (Degradation heating)			
			COPd	4.40	4.49	4.64
			Pdh kW	3.0		3.3
			PERd %	176.0	180.0	186.0
			D Condition	1.0		
			Cdh (Degradation heating)			
			COPd	6.10		6.22
			Pdh kW	3.3		4.1
			PERd %	244.0		249.0
			Tol (temperature operating limit)	1.37	1.53	1.64
			COPd			
			Pdh kW	4.0	5.4	7.1
			PERd %	55.0	61.0	66.0
			TOL °C	-10		

2 Specifications

1 - 1 ERGA04-08DV

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Technical specifications				EHSB04P30D2 + ERGA04DV	EHSB08P30D2 + ERGA06DV	EHSB08P30D2 + ERGA08DV
Space heating 	Average climate water outlet 55°C	Tol (temperature operating limit)	WTOL °C	55		
		Tbiv (bivalent temperature)	COPd	1.97	2.12	1.90
			Pdh kW	5.3	6.1	7.5
			PERd %	79.0	85.0	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
	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
	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	1		
			SCOP	4.48	4.47	4.56
			Seasonal space heating eff. class	A+++		
			A COPd	2.90	2.86	2.77
			Pdh kW	5.5	6.0	7.0
			PERd %	116.0	114.0	111.0
			B Condition (-7°CDB/-8°CWB) Cdh (Degradation heating)	1.0		
			COPd	4.33	4.25	4.35
			Pdh kW	3.3	3.9	4.2
			PERd %	173.0	170.0	174.0
			C Condition (7°CDB/6°CWB) Cdh (Degradation heating)	1.0		
			COPd	6.19	6.30	6.49
			Pdh kW	3.2		3.3
			PERd %	248.0	252.0	260.0
			D Condition (12°CDB/11°CWB) Cdh (Degradation heating)	1.0		
			COPd	7.78		8.52
			Pdh kW	3.3		3.9
			PERd %	311.0		341.0
			Tol (temperature operating limit) COPd	2.56	2.49	2.41
			Pdh kW	5.2	6.0	6.9
			PERd %	102.0	100.0	96.0
			TOL °C	-10		
			WTOL °C	35		
Space heating 	Average climate water outlet 35°C	Tbiv (bivalent temperature)	COPd	2.90	2.49	2.66
			Pdh kW	5.5	6.0	7.5
			PERd %	116.0	100.0	106.0
			Tbiv °C	-7	-6	-8
	Rated heat output	Psup (at Tdesign -10°C) kW		0.8	-	
	Cold 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
	Warm climate water outlet 35°C	General	Annual energy consumption kWh	1,139	1,276	1,437
			ηs (Seasonal space heating efficiency) %	241	248	257
			Prated at 2°C kW	5	6	7

(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		EHSX04P30D2 + ERGA04DV	EHSX08P30D2 + ERGA06DV	EHSX08P30D2 + ERGA08DV
Indoor unit		EHSX04P30D2	EHSX08P30D2	

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHSX04P30D2 + ERGA04DV	EHSX08P30D2 + ERGA06DV	EHSX08P30D2 + ERGA08DV	
Outdoor unit					ERGA04DAV3	ERGA06DAV3	ERGA08DAV3	
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	60.5 (1) / 65.8 (2)	57.6 (1) / 63.9 (2)	55.5 (1) / 61.7 (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			
		Poff (Off mode)			0.010			
		Psb (Standby mode)			0.010			
		Pto (Thermostat off)			0.010			
Domestic hot water heating	General	Declared load profile			L			
		Function to fix water heating during off peak hours			Yes			
Space heating general	Integrated supplementary	Type of energy input			Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)		kWh	888			
		COPdhw			2.76			
		Heat up time			1h 23min			
		Mixed water at 40°C			137			
Domestic hot water heating	Average climate	ηwh (water heating efficiency)		%	115			
		Qelec (Daily electricity consumption)		kWh	4.219			
		Reference hot water temperature		°C	44.5			
		Stand-by power input		W	31.7			
		Water heating energy efficiency class			A+			
		Cold climate	AEC (Annual electricity consumption)		kWh	1,024		
			COPdhw			2.41		
	Mixed water at 40°C			137.0				
	ηwh (water heating efficiency)			100				
	Qelec (Daily electricity consumption)			kWh	4.839			
	Reference hot water temperature			°C	44.5			
	Warm climate		AEC (Annual electricity consumption)		kWh	845		
		COPdhw			2.90			
		Mixed water at 40°C			137.0			
		ηwh (water heating efficiency)			121			
		Qelec (Daily electricity consumption)		kWh	4.023			
		Reference hot water temperature		°C	44.5			

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHSX04P30D2 + ERGA04DV	EHSX08P30D2 + ERGA06DV	EHSX08P30D2 + ERGA08DV
2 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
			SCOP	3.26		3.32
			Seasonal space heating eff. class	A++		
			A Condition (-7°CDB/-8°CWB)	1.0		
			Cdh (Degradation heating)	1.0		
			COPd	1.97	1.98	1.96
			Pdh kW	5.3	5.9	6.9
			PERd %	79.0		78.0
			B Condition (2°CDB/1°CWB)	1.0		
			Cdh (Degradation heating)	1.0		
			COPd	3.23	3.16	3.20
			Pdh kW	3.3	3.9	4.4
			PERd %	129.0	126.0	128.0
			C Condition (7°CDB/6°CWB)	1.0		
			Cdh (Degradation heating)	1.0		
			COPd	4.40	4.49	4.64
			Pdh kW	3.0		3.3
			PERd %	176.0	180.0	186.0
			D Condition (12°CDB/11°CWB)	1.0		
			Cdh (Degradation heating)	1.0		
			COPd	6.10		6.22
			Pdh kW	3.3		4.1

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHSX04P30D2 + ERGA04DV	EHSX08P30D2 + ERGA06DV	EHSX08P30D2 + ERGA08DV
	Space heating Average climate water outlet 55°C	D Condition (12°CDB/11°CWB) Tol (temperature operating limit)	PERd	%	244.0		249.0
			COPd		1.37	1.53	1.64
			Pdh	kW	4.0	5.4	7.1
			PERd	%	55.0	61.0	66.0
			TOL	°C	-10		
		WTOL	°C	55			
		Tbiv (bivalent temperature)	COPd		1.97	2.12	1.90
			Pdh	kW	5.3	6.1	7.5
			PERd	%	79.0	85.0	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
	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
	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	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	%	116.0	114.0	111.0
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.33	4.25	4.35
			Pdh	kW	3.3	3.9	4.2
			PERd	%	173.0	170.0	174.0
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
	COPd			6.19	6.30	6.49	
	Pdh		kW	3.2		3.3	
	PERd		%	248.0	252.0	260.0	
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0			
		COPd		7.78		8.52	
		Pdh	kW	3.3		3.9	
		PERd	%	311.0		341.0	
	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	%	102.0	100.0	96.0
			TOL	°C	-10		
			WTOL	°C	35		
		Tbiv (bivalent temperature)	COPd		2.90	2.49	2.66
			Pdh	kW	5.5	6.0	7.5
			PERd	%	116.0	100.0	106.0
			Tbiv	°C	-7	-6	-8
		Rated heat output	Psup (at Tdesign -10°C)	kW	0.8	-	
	Cold 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
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276	1,437
			ηs (Seasonal space heating efficiency)	%	241	248	257
			Prated at 2°C	kW	5	6	7

(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 Specifications

1 - 1 ERGA04-08DV

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

2

Technical specifications					EHSXB04P30D2 + ERGA04DV	EHSXB08P30D2 + ERGA06DV	EHSXB08P30D2 + ERGA08DV
Indoor unit					EHSXB04P30D2	EHSXB08P30D2	
Outdoor unit					ERGA04DAV3	ERGA06DAV3	ERGA08DAV3
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		60.5 (1) / 65.8 (2)	57.6 (1) / 63.9 (2)	55.5 (1) / 61.7 (2)
	ESP unit	Heating	kPa		66.0 (1) / 65.0 (2)	57.4 (1) / 58.1 (2)	42.7 (1) / 38.7 (2)
Water side Heat exchanger	Water	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		
		Poff (Off mode)		kW	0.010		
		Psb (Standby mode)		kW	0.010		
		Pto (Thermostat off)		kW	0.010		
Domestic hot water heating	General	Declared load profile			L		
		Function to fix water heating during off peak hours			Yes		
Space heating general	Integrated supplementary	Type of energy input			Electrical		
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh		888		
		COPdhw			2.76		
		Heat up time			1h 23min		
		Mixed water at 40°C	l		137		
Domestic hot water heating	Average climate	ηwh (water heating efficiency)	%		115		
		Qelec (Daily electricity consumption)	kWh		4.219		
		Reference hot water temperature	°C		44.5		
		Stand-by power input	W		31.7		
		Water heating energy efficiency class			A+		
	Cold climate	AEC (Annual electricity consumption)	kWh		1,024		
		COPdhw			2.41		
		Mixed water at 40°C	l		137.0		
		ηwh (water heating efficiency)	%		100		
		Qelec (Daily electricity consumption)	kWh		4.839		
		Reference hot water temperature	°C		44.5		
	Warm climate	AEC (Annual electricity consumption)	kWh		845		
		COPdhw			2.90		
		Mixed water at 40°C	l		137.0		
		ηwh (water heating efficiency)	%		121		
		Qelec (Daily electricity consumption)	kWh		4.023		
		Reference hot water temperature	°C		44.5		

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications				EHSXB04P30D2 + ERGA04DV	EHSXB08P30D2 + ERGA06DV	EHSXB08P30D2 + ERGA08DV
	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
			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 %	79.0		78.0
		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 %	129.0	126.0	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	180.0	186.0
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0		
			COPd	6.10		6.22
			Pdh kW	3.3		4.1

2 Specifications

1 - 1 ERGA04-08DV

Technical specifications					EHSXB04P30D2 + ERGA04DV	EHSXB08P30D2 + ERGA06DV	EHSXB08P30D2 + ERGA08DV
Space heating	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	PERd	%	244.0		249.0
			COPd		1.37	1.53	1.64
			Pdh	kW	4.0	5.4	7.1
			PERd	%	55.0	61.0	66.0
			TOL	°C		-10	
			WTOL	°C		55	
		Tbiv (bivalent temperature)	COPd		1.97	2.12	1.90
			Pdh	kW	5.3	6.1	7.5
			PERd	%	79.0	85.0	76.0
			Tbiv	°C	-7	-6	-8
		Cold climate water outlet 55°C	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
	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
	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	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	%	116.0	114.0	111.0
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.33	4.25	4.35
			Pdh	kW	3.3	3.9	4.2
			PERd	%	173.0	170.0	174.0
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		6.19	6.30	6.49
			Pdh	kW	3.2		3.3
			PERd	%	248.0	252.0	260.0
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0		
			COPd		7.78		8.52
			Pdh	kW	3.3		3.9
			PERd	%	311.0		341.0
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	%	102.0	100.0	96.0
			TOL	°C		-10	
			WTOL	°C		35	
		Tbiv (bivalent temperature)	COPd		2.90	2.49	2.66
			Pdh	kW	5.5	6.0	7.5
			PERd	%	116.0	100.0	106.0
			Tbiv	°C	-7	-6	-8
		Rated heat output	Psup (at Tdesign -10°C)	kW	0.8	-	
	Cold 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
		General	Annual energy consumption	kWh	1,139	1,276	1,437
			ηs (Seasonal space heating efficiency)	%	241	248	257
			Prated at 2°C	kW	5	6	7

(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 Specifications

1 - 1 ERGA04-08DV

(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					ERGA04DV		ERGA06DV		ERGA08DV	
Casing	Colour				Ivory white					
	Material				Polyester painted galvanised steel plate					
Dimensions	Unit	Height	mm		740					
		Width	mm		884					
		Depth	mm		388					
	Packed unit	Height	mm		815					
		Width	mm		1,043					
		Depth	mm		478					
Weight	Unit	kg		58.5						
	Packed unit	kg		60						
Packing	Material				Cardboard / EPS					
	Weight				kg 1.5					
Heat exchanger	Length				mm 920					
	Rows	Quantity			2					
	Fin pitch				mm 1.40					
	Passes	Quantity			32					
	Face area				m² 0.658					
	Tube type				ø7 Hi-XA					
	Fin	Type			Aluminium					
	Treatment				Anti-corrosion Hydrophilic					
	Fan	Type				Propeller fan				
Quantity				1						
Discharge direction				Horizontal						
Fan motor	Quantity				1					
	Model				KFD-325-77-10A					
	Output				W 77					
	Speed	Heating	Nom.	rpm	620	680		740		
		Cooling	Nom.	rpm	780					
Compressor	Quantity				1					
	Model				2YC71EXD#C					
	Type				Hermetically sealed swing compressor					
PED	Category				Category II					
Operation range	Heating	Min.	°CDB		-25					
		Max.	°CDB		25					
	Cooling	Min.	°CDB		10					
		Max.	°CDB		43					
Operation range	Domestic hot water	Max.	°CDB		35					
		Min.	°CDB		-25					
PED	Most critical part	Name	Bar*I		Compressor					
		Ps*V			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.	m	3					
			Max.	m	30					
		System	Chargeless	m	10					
	High pressure side	Design pressure			bar 46					
		Additional refrigerant charge			kg/m 0.02 (for piping length exceeding 10m)					
		Level difference	IU - OU	Max.	m	20.0				
	Heat insulation				Both liquid and gas pipes					

2 Specifications

1 - 1 ERGA04-08DV

2

Technical Specifications				ERGA04DV	ERGA06DV	ERGA08DV
Defrost method				Reversed cycle		
Defrost control				Sensor for outdoor heat exchanger temperature		
Safety devices	Item	01		High pressure switch		

Electrical Specifications				ERGA04DV	ERGA06DV	ERGA08DV
Power supply	Name			V3		
	Phase			1N~		
	Frequency Hz			50		
	Voltage V			230		
	Voltage range	Min.	%	-10		
		Max.	%	10		
Current	Maximum Heating running			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

ERGA04-08DV

Kit availability for outdoor units

		ERGA04DAV3*	ERGA06DAV3*	ERGA08DAV3*
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

1. When installing EKDP008D units in heavy snowfall areas, also install option kit EKDPH008CA.

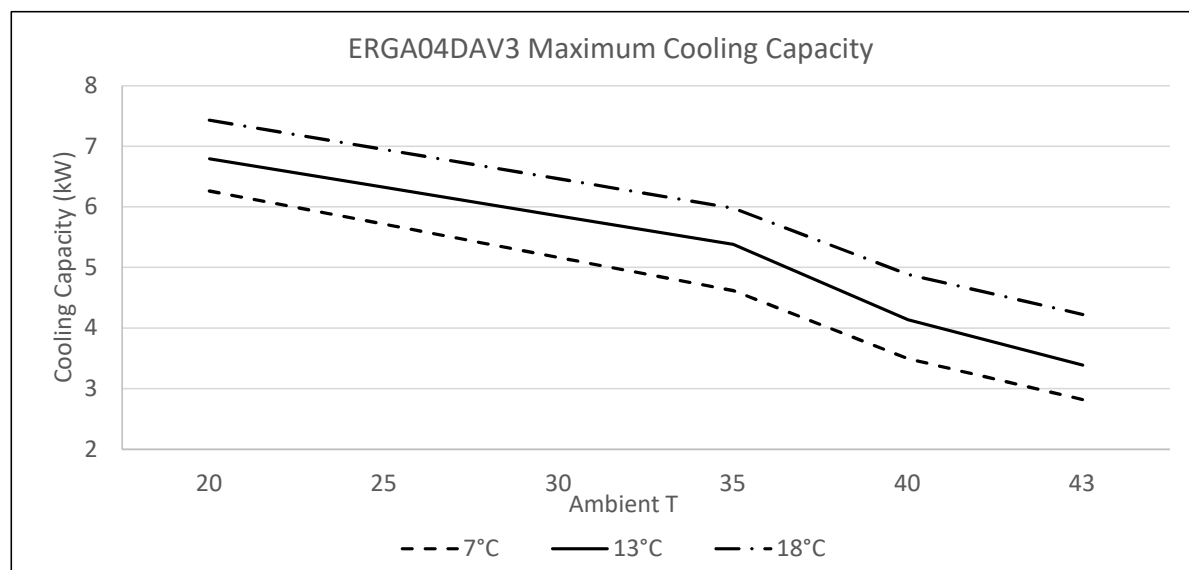
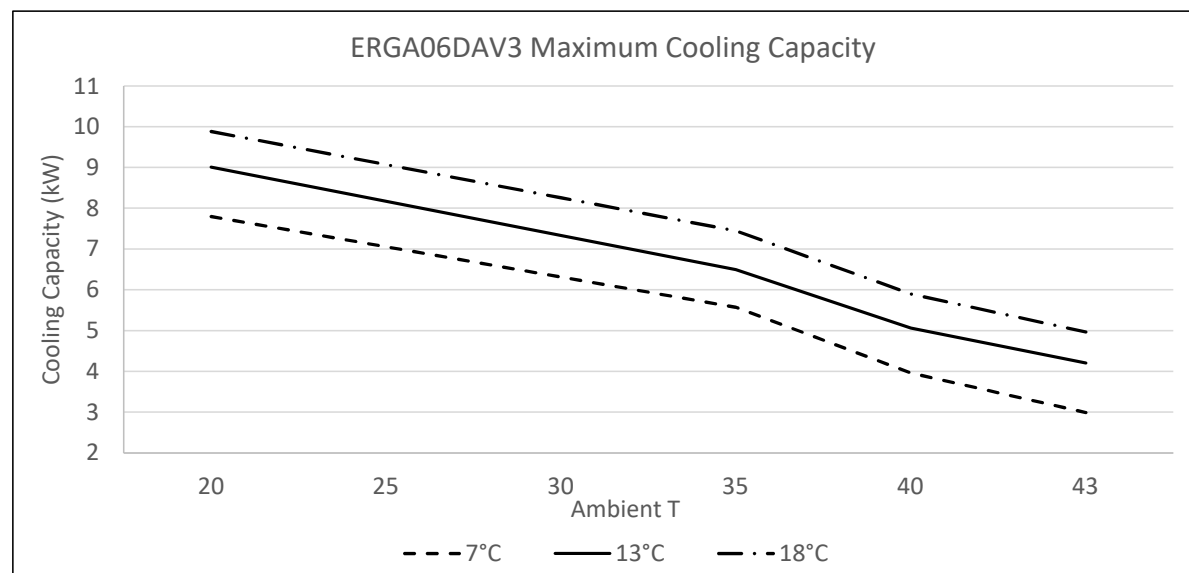
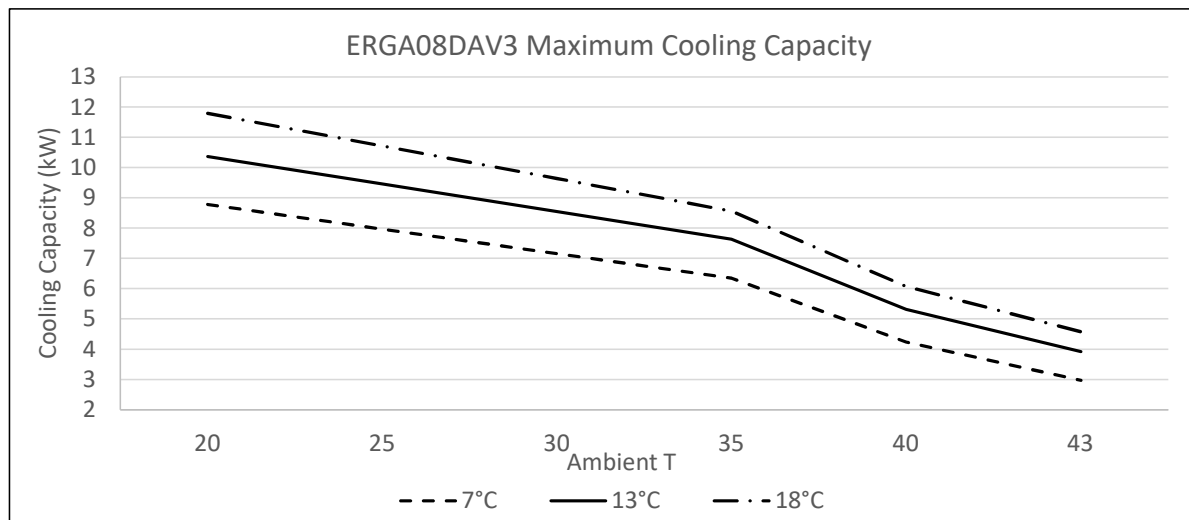
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4 Capacity graphs

4 - 1 Cooling Capacity Graphs

ERGA04-08DV

4

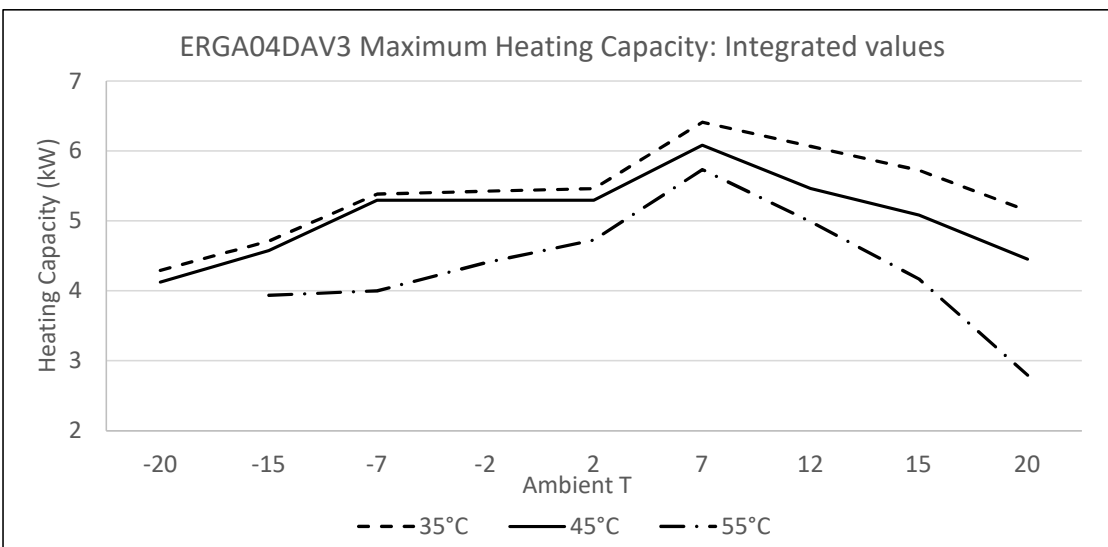
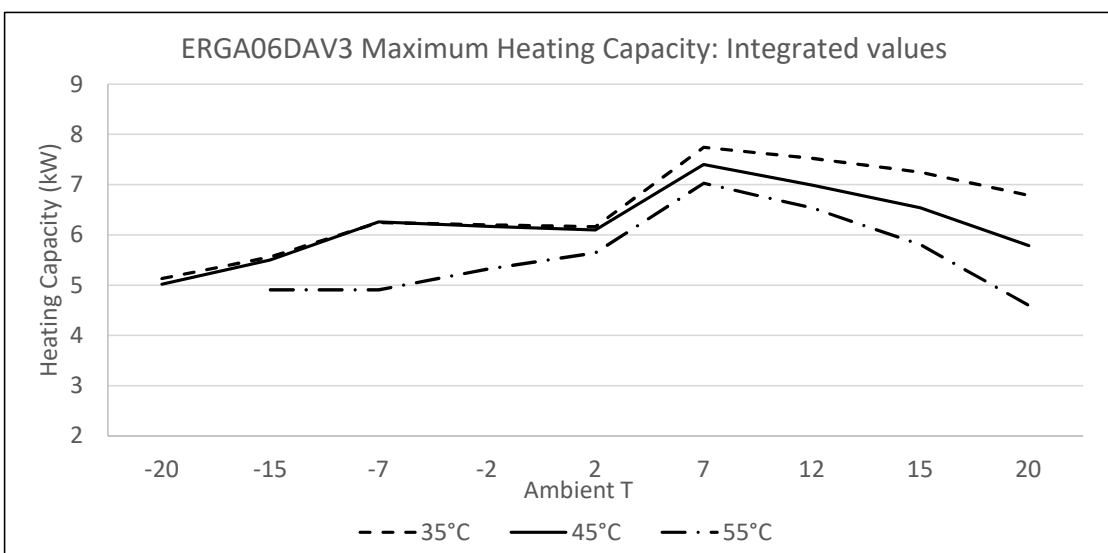
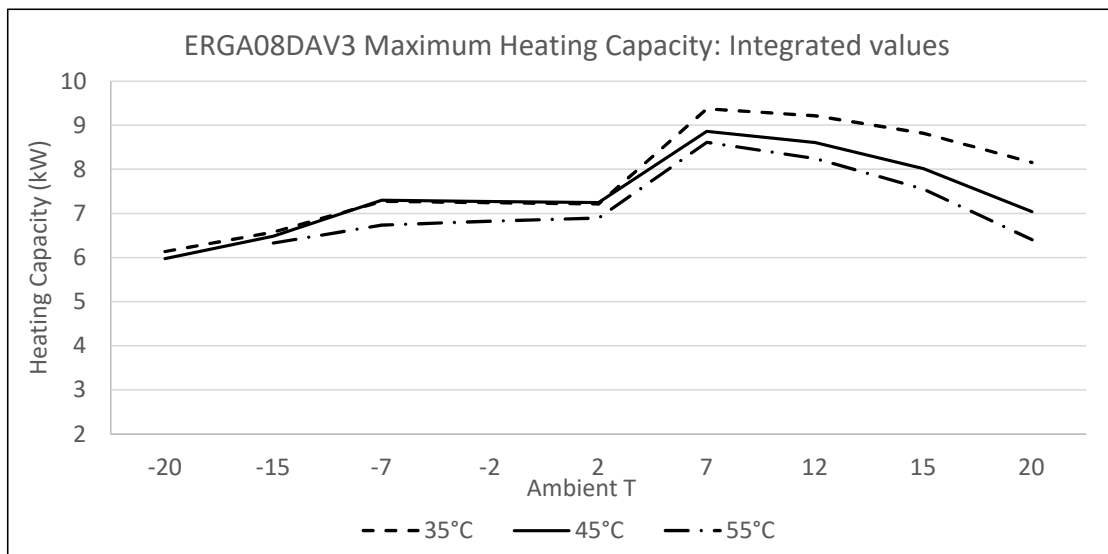


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4 Capacity graphs

4 - 2 Heating Capacity Graphs

ERGA04-08DV



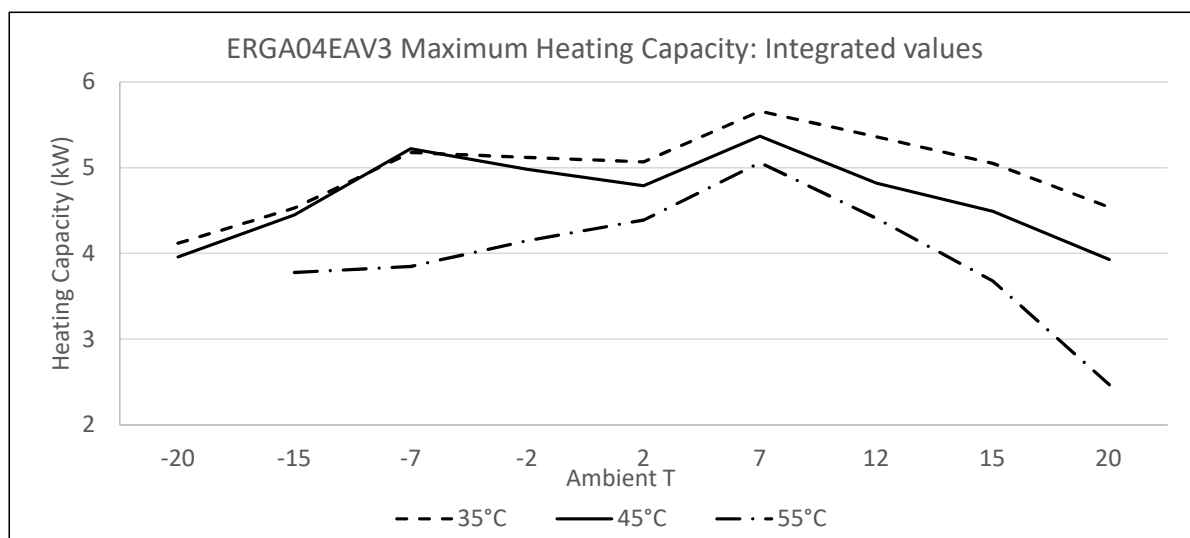
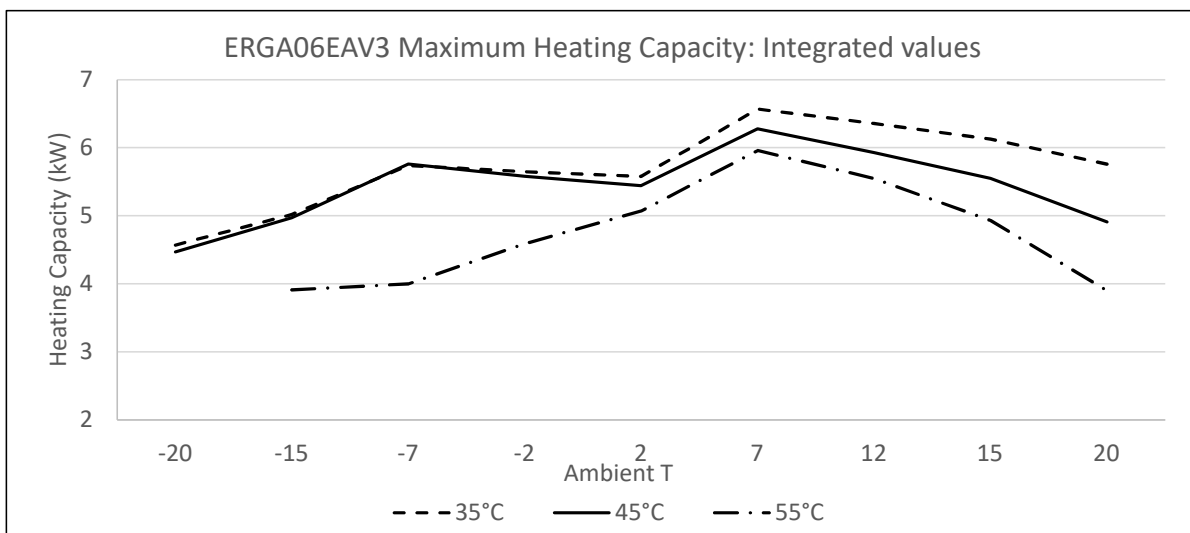
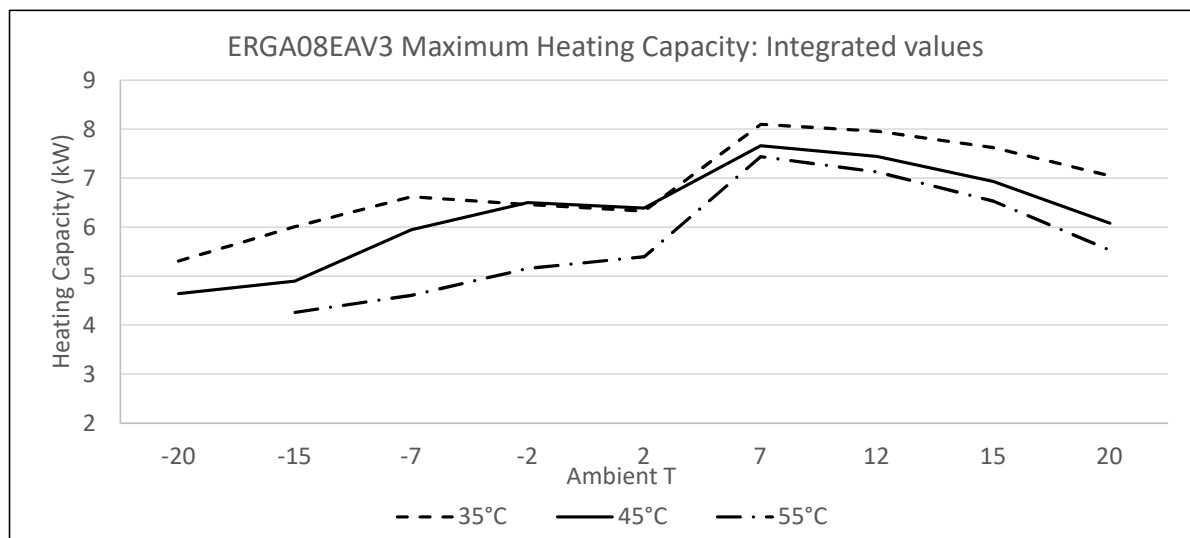
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4 Capacity graphs

4 - 3 Heating Capacity Graphs - more quiet mode

ERGA04-08DV
ERGA04-08DVA

4



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5 Capacity tables

5 - 1 Certification Programs

ERGA04-08DV

ERGA04-08DVA

Rated data for certification programmes - heating mode

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

Rated data for certification programmes - heating mode

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

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5 Capacity tables

5 - 1 Certification Programs

ERGA04-08DV

ERGA04-08DVA

Seasonal data - cooling

		Low temperature Application		
		LWE 7°C		
		ERGA04DA*	ERGA06DA*	ERGA08DA*
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 - cooling mode

			RGA04DA		*RGA06DA*		*RGA08DA*	
Tamb	EWE	LWE	CC	EER	CC	EER	CC	EER
[°C]	[°C]	[°C]	[kW]		[kW]		[kW]	
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

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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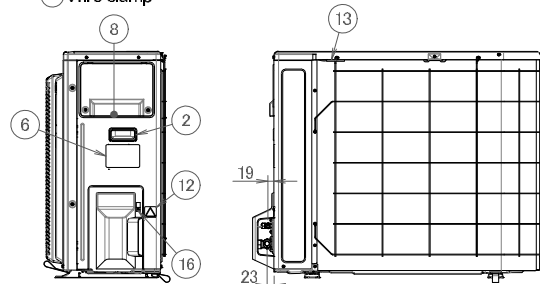
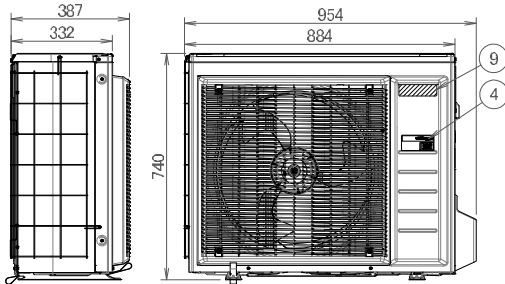
6 Dimensional drawings

6 - 1 Dimensional Drawings

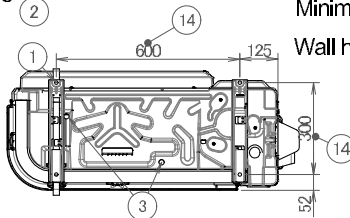
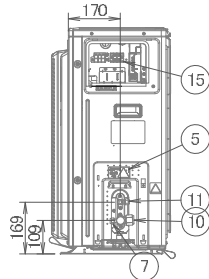
ERGA04-08DV

- ① 4 holes for anchor bolts
M8 OR M10
- ② Handle
- ③ Drain outlet
- ④ Nameplate
- ⑤ Caution label
- ⑥ Manufacturer label
- ⑦ Service port

- ⑧ Wiring intake area
- ⑨ Brand name label
- ⑩ Gas stop valve
- ⑪ Liquid stop valve
- ⑫ Product liability label
- ⑬ Outdoor air temperature thermistor
- ⑭ Pitch of foundation bolt holes
- ⑮ Terminal strip with earth terminal
- ⑯ Wire clamp

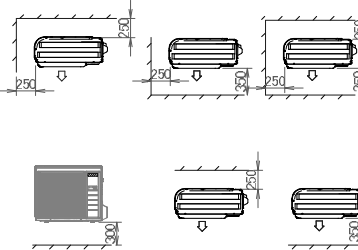


In case of removing the stop valve cover.



Minimum space for air passage

Wall height on air outlet side < 1200 mm

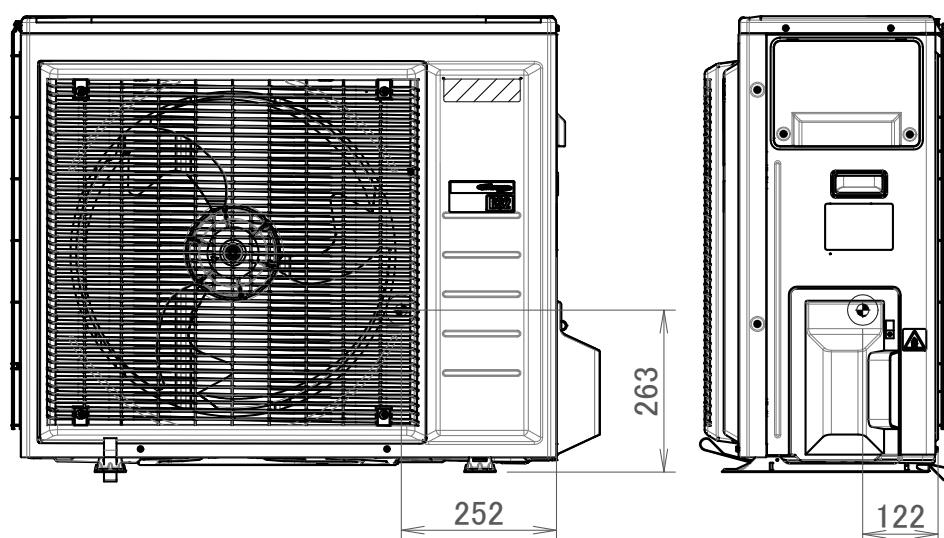


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7 Centre of gravity

7 - 1 Centre of Gravity

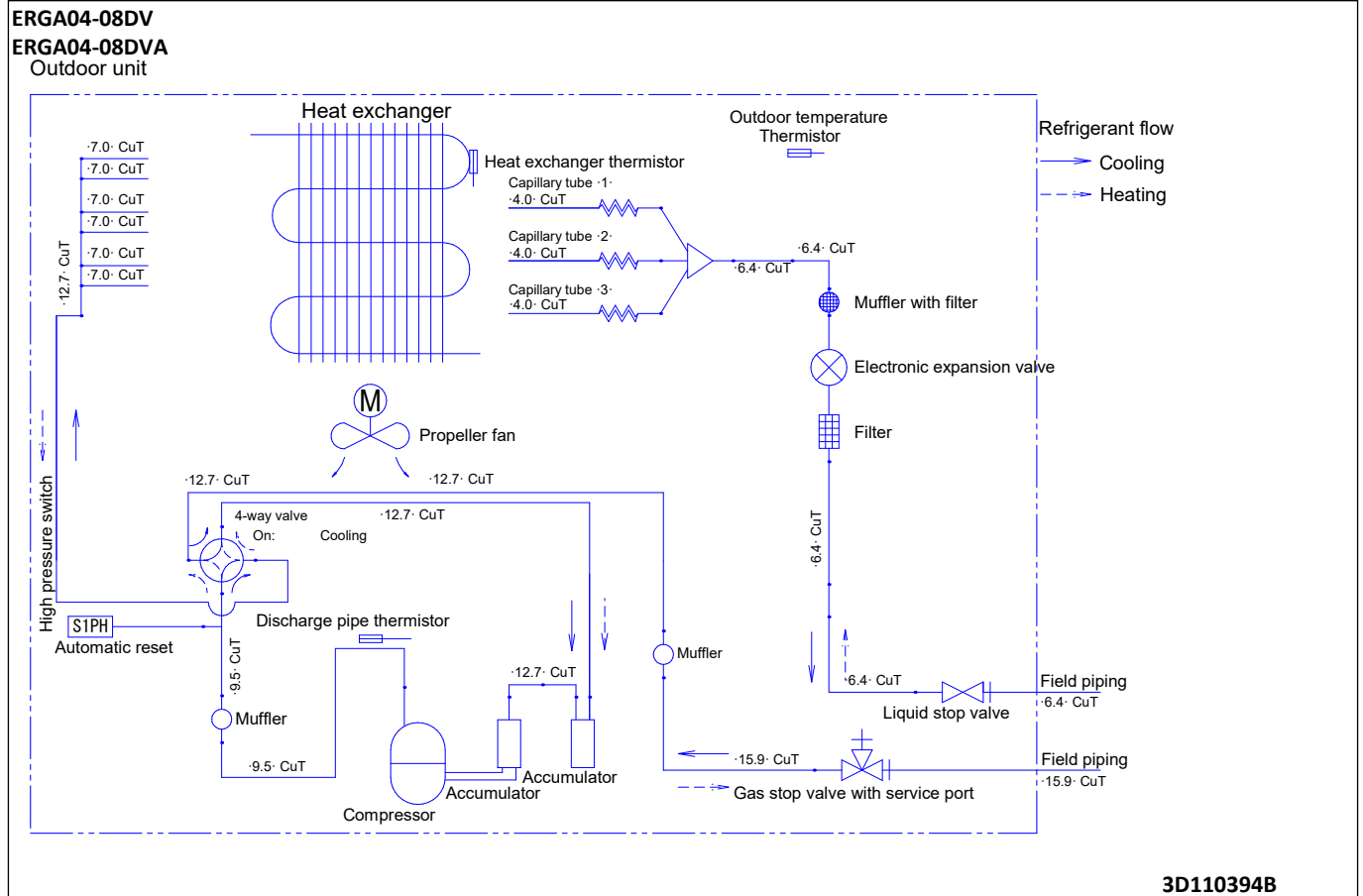
ERGA04-08DV



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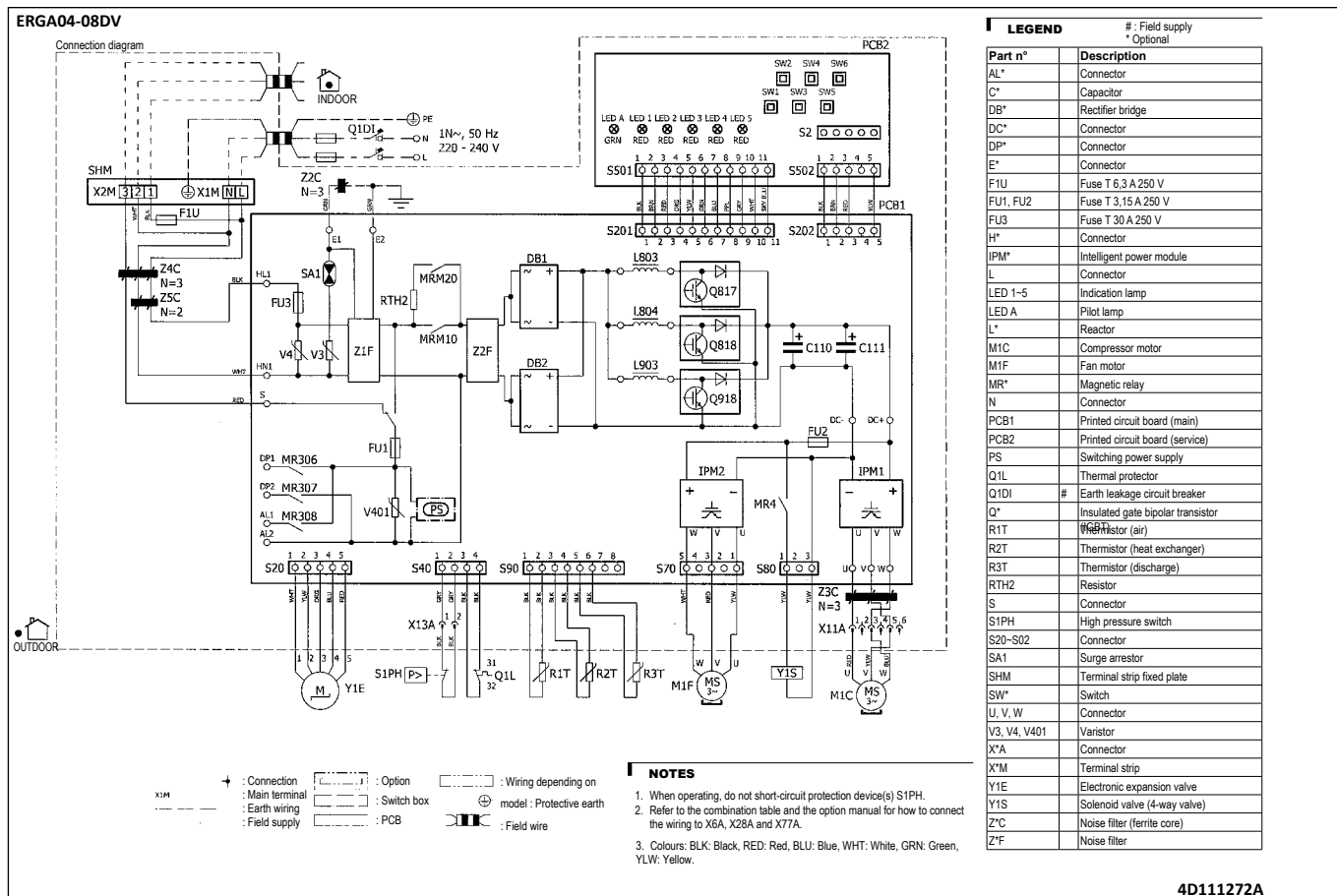
8 Piping diagrams

8 - 1 Piping Diagrams



9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

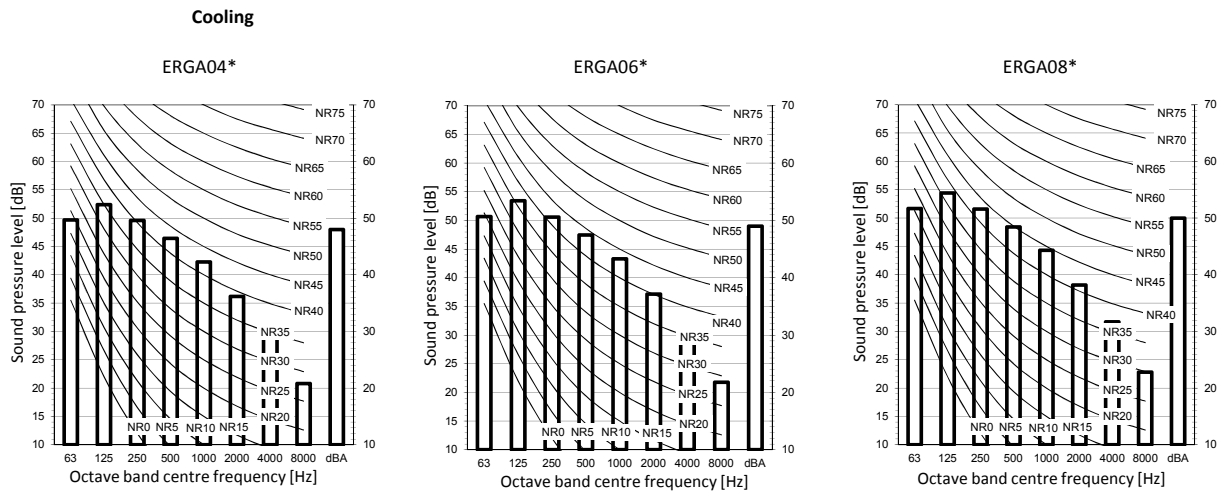


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10 Sound data

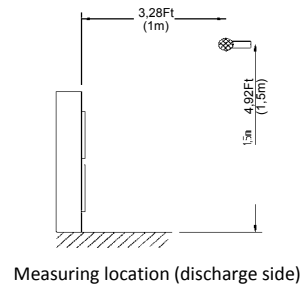
10 - 1 Sound Pressure Spectrum - Cooling

ERGA04-08DV



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.



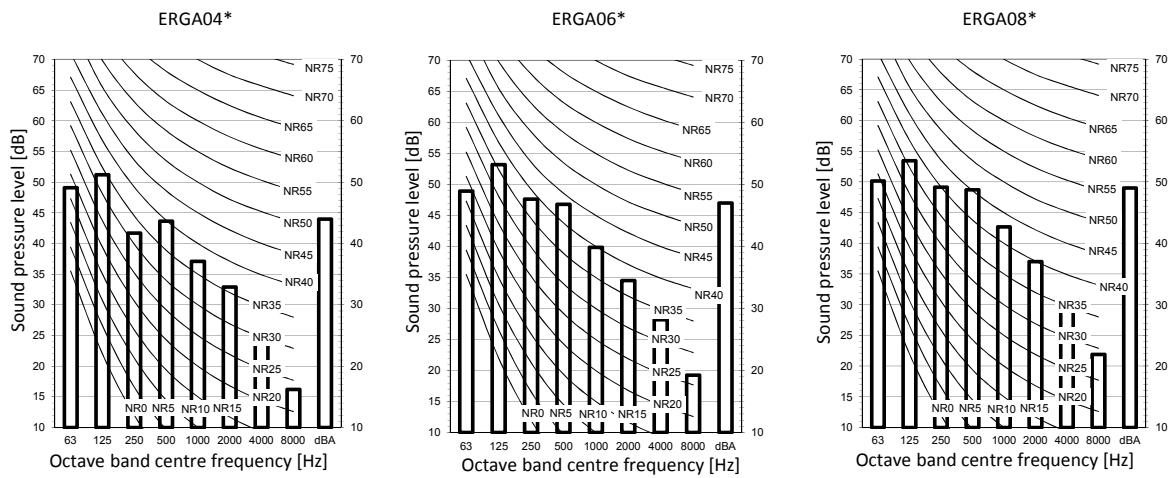
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10 Sound data

10 - 2 Sound Pressure Spectrum - Heating

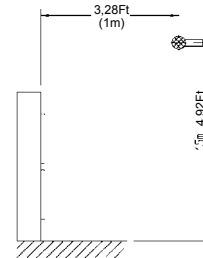
ERGA04-08DV

Heating



Notes

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



Measuring location (discharge side)

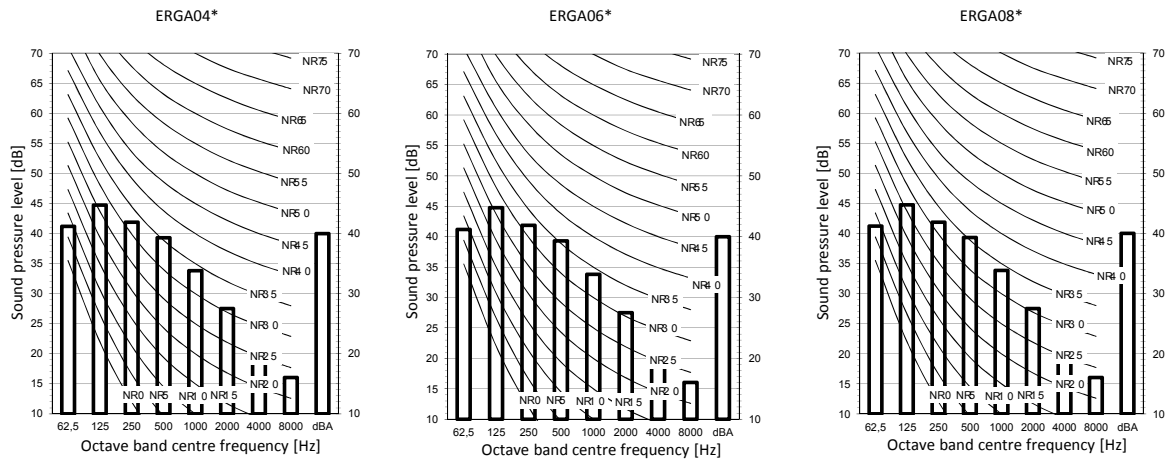
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10 Sound data

10 - 3 Sound Pressure Spectrum Quiet Mode

ERGA04-08DV

Heating most quiet mode



Notes

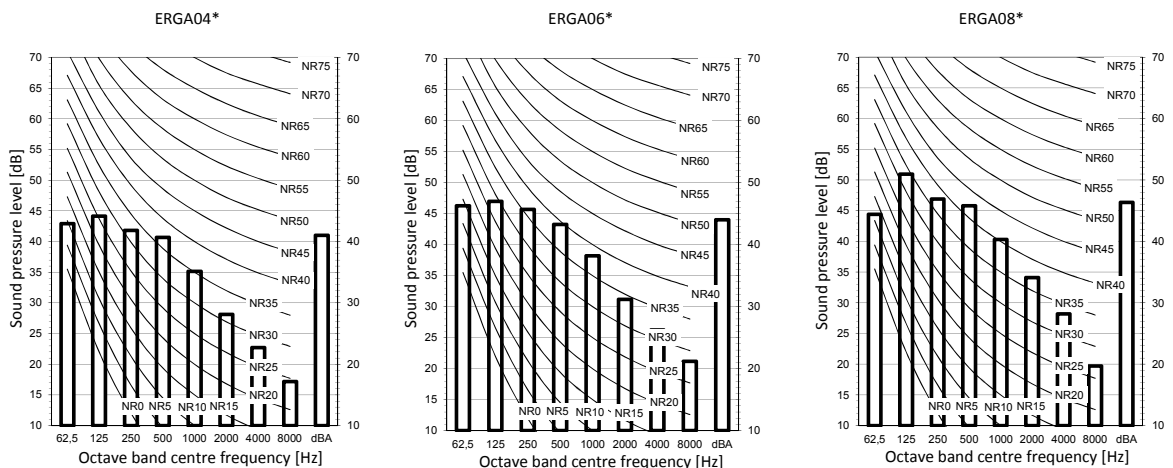
1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 μ Pa
5. If the sound is measured under actual installation conditions,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

Measuring location (discharge side)

3D116214

ERGA04-08DV

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

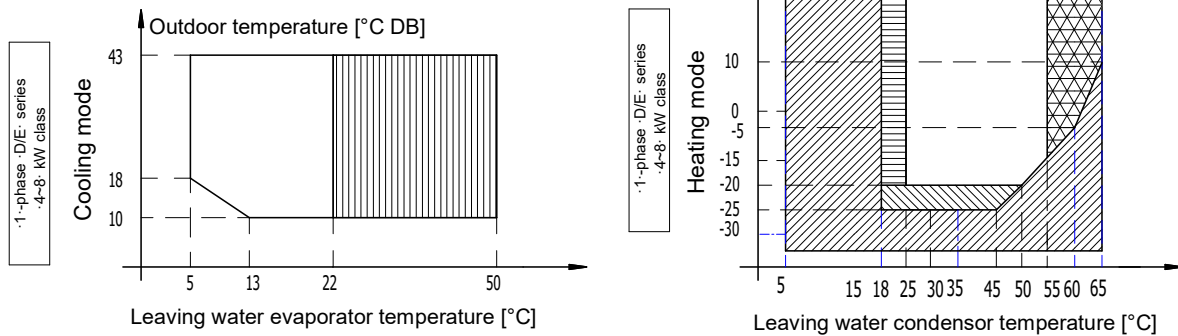
11 Operation range

11 - 1 Operation Range

11

ERGA04-08DV
ERGA04-08DVA

Indoor
·D/E(A/J)· series Standard



Legend

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

Remark

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

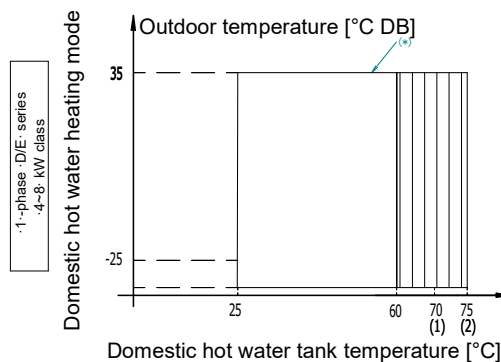
Warning

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

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

3D111563C

ERGA04-08DV
ERGA04-08DVA



Legend

- Booster heater only operation (if a booster heater is part of the system)
 - (1) ·EHV*D/E(A/J)V* indoor units only
 - (2) Combination of ·EKHWS*DA* and ·EHB*D/EAV* indoor units
- (*) System operation: the system consists of an outdoor unit and indoor unit, and depending on the system, a booster heater and/or a backup heater.

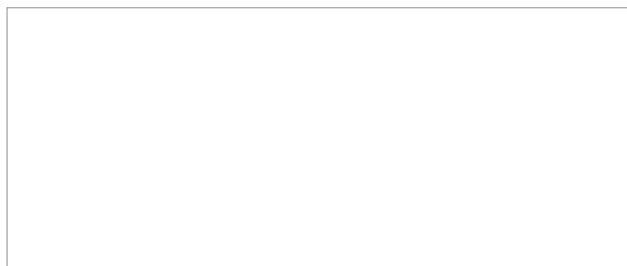
Remark

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

If the outdoor temperature $< 20^{\circ}\text{C}$, then outdoor unit operation is possible, but with a possible capacity reduction.

If the outdoor temperature $< -25^{\circ}\text{C}$, the outdoor unit will stop.
Indoor unit and backup heater operation will continue.

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