



Heating  
Technical Data

ERGA04-08DV





# TABLE OF CONTENTS

## ERGA04-08DV

1	Features .....	2
2	Specifications .....	3
	Capacity and Power input .....	3
	Technical Specifications .....	75
	Electrical Specifications .....	75
3	Combination table .....	76
4	Capacity tables .....	77
	Cooling Capacity Tables .....	77
	Heating Capacity Tables .....	79
	Certification Programs .....	81
5	Dimensional drawings .....	82
6	Centre of gravity .....	83
7	Piping diagrams .....	84
8	Wiring diagrams .....	85
	Wiring Diagrams - Single Phase .....	85
9	Sound data .....	86
	Sound Pressure Spectrum - Cooling .....	86
	Sound Pressure Spectrum - Heating .....	87
	Sound Pressure Spectrum Quiet Mode .....	88
10	Operation range .....	89

# 1 Features

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



Guaranteed  
operation down  
to -25°C

## 2 Specifications

CONNECTABLE INDOOR UNITS										
2-1 Capacity and Power input					EHBH04D6V/ERGA04DV		EHBH08D6V/ERGA06DV	EHBH08D6V/ERGA08DV		
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806		4,441	4,975		
			ηs (Seasonal space heating efficiency)	%	127			130		
			Prated at -10°C	kW	6.0		7.0	8.0		
			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 supplementary capacity	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 (bivalent temperature)	Tbiv		°C		-7		-6	-8		
	Annual energy consumption		kWh		4,468		5,300	6,886		
	ηs (Seasonal space heating efficiency)		%		107		109	112		
	Prated at -22°C		kW		5.0		6.0	8.0		
Cold climate water outlet 55°C	General	Annual energy consumption		kWh		1,660		1,858	2,213	
		ηs (Seasonal space heating efficiency)		%		148		158	161	
		Prated at 2°C		kW		4.7		5.6	6.8	
		Annual energy consumption		kWh		1,660		1,858	2,213	
Warm climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)		%		148		158	161	
		Prated at 2°C		kW		4.7		5.6	6.8	
		Annual energy consumption		kWh		1,660		1,858	2,213	

## 2 Specifications

CONNECTABLE INDOOR UNITS				EBH04D6V/ERGA04DV	EBH08D6V/ERGA06DV	EBH08D6V/ERGA08DV	
2-1 Capacity and Power input							
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47	4.56
			Annual energy consumption	kWh	2,766	3,233	3,625
			$\eta_s$ (Seasonal space heating efficiency)	%	176		179
			Prated at -10°C	kW	6.0	7.0	8.0
			Seasonal space heating eff. class		A++		
			A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86
		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)	PERd	%	311		341
	COPd			2.56	2.49	2.41	
	Pdh		kW	5.2	6.0	6.9	
	PERd		%	102	100	96	
	TOL		°C	-10			
	Tbiv (bivalent temperature)	WTOL	°C	35			
		COPd		2.90	3.07	2.66	
		Pdh	kW	5.5	6.1	7.5	
		PERd	%	116	123	106	
	Rated heat output supplementary capacity	Tbiv	°C	-7	-6	-8	
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	
		$\eta_s$ (Seasonal space heating efficiency)	%	150	155	154	
		Prated at -22°C	kW	5.0	6.0	8.0	
		Qhe Annual energy consumption (GCV)	Gj	-			
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276	1,437	
		$\eta_s$ (Seasonal space heating efficiency)	%	241	248	257	
		Prated at 2°C	kW	5.2	6.0	7.0	

## 2 Specifications

CONNECTABLE INDOOR UNITS				EBH04D6V/ERGA04DV	EBH08D6V/ERGA06DV	EBH08D6V/ERGA08DV	
2-1 Capacity and Power input							
Space heating general	Air to water unit	Rated airflow (outdoor)	m <sup>3</sup> /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 <sub>wh</sub> (water heating efficiency)	%	-			
	Cold climate	η <sub>wh</sub> (water heating efficiency)	%	-			
	Warm climate	η <sub>wh</sub> (water heating efficiency)	%	-			
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)	
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)	
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)	
Pump	Nominal ESP unit	Heating	kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium			
		Name or trademark		Daikin Europe N.V.			
	Product description	Air-to-water heat pump		Yes			
		Brine-to-water heat pump		No			
		Heat pump combination heater		No			
		Low-temperature heat pump		No			
		Supplementary heater integrated		Yes			
	Water-to-water heat pump		No				
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42			
	Outdoor		dB(A)	58	60	62	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825			

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHBH08D9W/ERGA06DV		EHBH08D9W/ERGA08DV		
2-1 Capacity and Power input									
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		
			SCOP		3.26		3.32		
			Seasonal space heating eff. class				A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1.0			
			COPd			1.98		1.96	
			Pdh	kW	5.9		6.9		
			PERd	%	79		78		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0			
			COPd			3.16		3.20	
			Pdh	kW	3.9		4.4		
			PERd	%	126		128		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0			
			COPd			4.49		4.64	
			Pdh	kW	3.0		3.3		
			PERd	%	180		186		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0			
			COPd			6.10		6.22	
			Pdh	kW	3.3		4.1		
			PERd	%	244		249		
		Tol (temperature operating limit)	COPd			1.53		1.64	
			Pdh	kW	5.4		7.1		
			PERd	%	61		66		
			TOL	°C			-10		
			WTOL	°C			55		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6		0.9		
	Tbiv (bivalent temperature)		COPd			2.12		1.90	
			Pdh	kW	6.1		7.5		
			PERd	%	85		76		
Tbiv		°C	-6		-8				
Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300		6,886			
		ηs (Seasonal space heating efficiency)	%	109		112			
		Prated at -22°C	kW	6.0		8.0			
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			



## 2 Specifications

CONNECTABLE INDOOR UNITS				EBH08D9W/ERGA06DV		EBH08D9W/ERGA08DV	
2-1 Capacity and Power input							
Space heating	Average climate water outlet 35°C	General	SCOP		4.47		4.56
			Annual energy consumption	kWh	3,233		3,625
			ηs (Seasonal space heating efficiency)	%	176		179
			Prated at -10°C	kW	7.0		8.0
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77
			Pdh	kW	6.0		7.0
			PERd	%	114		111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.25		4.35
			Pdh	kW	3.9		4.2
		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	
	PERd		%	100		96	
	Tbiv (bivalent temperature)	TOL	°C	-10			
		WTOL	°C	35			
		COPd		3.07		2.66	
		Pdh	kW	6.1		7.5	
	Rated heat output supplementary capacity	PERd	%	123		106	
		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	3,749		5,034	
		ηs (Seasonal space heating efficiency)	%	155		154	
		Prated at -22°C	kW	6.0		8.0	
		Qhe Annual energy consumption (GCV)	Gj	-			
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,276		1,437	
		ηs (Seasonal space heating efficiency)	%	248		257	
		Prated at 2°C	kW	6.0		7.0	

## 2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input				EHBH08D9W/ERGA06DV		
				EHBH08D9W/ERGA08DV		
Space heating general	Air to water unit	Rated airflow (outdoor)	m³/h	2,520.0		
	Other	Capacity control		Inverter		
		Pck (Crankcase heater mode)	kW	0.000		
		Poff (Off mode)	kW	0.010		
		Psb (Standby mode)	kW	0.010		
		Pto (Thermostat off)	kW	0.010		
	Integrated supplementary heater	Psup	kW	9.0		
Type of energy input		Electrical				
Domestic hot water heating	Average climate	η <sub>wh</sub> (water heating efficiency)	%	-		
	Cold climate	η <sub>wh</sub> (water heating efficiency)	%	-		
	Warm climate	η <sub>wh</sub> (water heating efficiency)	%	-		
Heating capacity	Nom.		kW	6.00 (1) / 5.90 (2)		
Power input	Heating	Nom.		kW	1.24 (1) / 1.69 (2)	
COP				4.85 (1) / 3.50 (2)		
Pump	Nominal ESP unit	Heating		kPa	52.4 (1) / 52.9 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	17.2 (1) / 16.9 (2)	
					21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium		
		Name or trademark		Daikin Europe N.V.		
	Product description	Air-to-water heat pump		Yes		
		Brine-to-water heat pump		No		
		Heat pump combination heater		No		
		Low-temperature heat pump		No		
		Supplementary heater integrated		Yes		
Water-to-water heat pump		No				
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42		
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	60		
Sound condition Ecodesign and energy label				62		
				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					EHBX04D6V/ERGA04DV	EHBX08D6V/ERGA06DV	EHBX08D6V/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
			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 supplementary capacity	Psup (at Tdesign -10°C)		kW	2.0	1.6
Tbiv (bivalent temperature)	COPd		1.97	2.12	1.90		
	Pdh		kW	5.3	6.1	7.5	
	PERd		%	79	85	76	
	Tbiv	°C	-7	-6	-8		
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	

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHBX04D6V/ERGA04DV	EHBX08D6V/ERGA06DV	EHBX08D6V/ERGA08DV	
2-1 Capacity and Power input							
Space heating	Average climate water outlet 35°C	General	SCOP		4.54	4.52	4.61
			Annual energy consumption	kWh	2,729	3,196	3,588
			$\eta_s$ (Seasonal space heating efficiency)	%	179	178	181
			Prated at -10°C	kW	6.0	7.0	8.0
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86	2.77
			Pdh	kW	5.5	6.0	7.0
			PERd	%	116	114	111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.33	4.25	4.35
			Pdh	kW	3.3	3.9	4.2
		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)	PERd	%	311		341
			COPd		2.56	2.49	2.41
			Pdh	kW	5.2	6.0	6.9
	PERd		%	102	100	96	
	TOL		°C	-10			
	Tbiv (bivalent temperature)	WTOL	°C	35			
		COPd		2.90	3.07	2.66	
		Pdh	kW	5.5	6.1	7.5	
		PERd	%	116	123	106	
	Rated heat output supplementary capacity	Tbiv	°C	-7	-6	-8	
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	
		$\eta_s$ (Seasonal space heating efficiency)	%	151	156	154	
		Prated at -22°C	kW	5.0	6.0	8.0	
		Qhe Annual energy consumption (GCV)	Gj	-			
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095	1,232	1,393	
		$\eta_s$ (Seasonal space heating efficiency)	%	251	257	266	
		Prated at 2°C	kW	5.2	6.0	7.0	

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHBX04D6V/ERGA04DV	EHBX08D6V/ERGA06DV	EHBX08D6V/ERGA08DV
2-1 Capacity and Power input						
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	
	Integrated supplementary heater	Psup	kW		6.0	
Type of energy input			Electrical			
Domestic hot water heating	Average climate	η <sub>wh</sub> (water heating efficiency)	%	-		
	Cold climate	η <sub>wh</sub> (water heating efficiency)	%	-		
	Warm climate	η <sub>wh</sub> (water heating efficiency)	%	-		
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Cooling capacity	Nom.		kW	4.86 (1) / 4.31 (2)	5.96 (1) / 4.87 (2)	6.25 (1) / 5.35 (2)
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
	Cooling	Nom.	kW	0.940 (1) / 1.14 (2)	1.06 (1) / 1.33 (2)	1.16 (1) / 1.51 (2)
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
EER				5.94 (1) / 3.84 (2)	5.61 (1) / 3.67 (2)	5.40 (1) / 3.54 (2)
Pump	Nominal ESP unit	Cooling	kPa	54.6 (1) / 59.4 (2)	52.6 (1) / 57.5 (2)	51.1 (1) / 55.5 (2)
		Heating	kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)
Water side Heat exchanger	Water flow rate	Cooling	Nom. l/min	15.9 (1) / 12.5 (2)	17.1 (1) / 14.0 (2)	17.9 (1) / 15.3 (2)
		Heating	Nom. l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium		
		Name or trademark		Daikin Europe N.V.		
	Product description	Air-to-water heat pump		Yes		
		Brine-to-water heat pump		No		
		Heat pump combination heater		No		
		Low-temperature heat pump		No		
		Supplementary heater integrated		Yes		
Water-to-water heat pump		No				
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42		
	Outdoor		dB(A)	58	60	62
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHBX08D9W/ERGA06DV		EHBX08D9W/ERGA08DV		
2-1 Capacity and Power input									
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		
			SCOP		3.28		3.35		
			Seasonal space heating eff. class				A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1.0			
			COPd			1.98		1.96	
			Pdh	kW	5.9		6.9		
			PERd	%	79		78		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0			
			COPd			3.16		3.20	
			Pdh	kW	3.9		4.4		
			PERd	%	126		128		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0			
			COPd			4.49		4.64	
			Pdh	kW	3.0		3.3		
			PERd	%	180		186		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0			
			COPd			6.10		6.22	
			Pdh	kW	3.3		4.1		
			PERd	%	244		249		
		Tol (temperature operating limit)	COPd			1.53		1.64	
			Pdh	kW	5.4		7.1		
			PERd	%	61		66		
			TOL	°C			-10		
			WTOL	°C			55		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.6		0.9		
	Tbiv (bivalent temperature)		COPd			2.12		1.90	
			Pdh	kW	6.1		7.5		
			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			

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHBX08D9W/ERGA06DV		EHBX08D9W/ERGA08DV	
2-1 Capacity and Power input							
Space heating	Average climate water outlet 35°C	General	SCOP		4.52		4.61
			Annual energy consumption	kWh	3,196		3,588
			ηs (Seasonal space heating efficiency)	%	178		181
			Prated at -10°C	kW	7.0		8.0
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77
			Pdh	kW	6.0		7.0
			PERd	%	114		111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.25		4.35
			Pdh	kW	3.9		4.2
		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
	PERd		%	100		96	
	Tbiv (bivalent temperature)	TOL	°C	-10			
		WTOL	°C	35			
		COPd		3.07		2.66	
		Pdh	kW	6.1		7.5	
	Rated heat output supplementary capacity	PERd	%	123		106	
		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	
		Qhe Annual energy consumption (GCV)	Gj	-			
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	

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					
2-1 Capacity and Power input				EHBX08D9W/ERGA06DV	
				EHBX08D9W/ERGA08DV	
Space heating general	Air to water unit	Rated airflow (outdoor)	m³/h	2,520.0	
	Other	Capacity control		Inverter	
		Pck (Crankcase heater mode)	kW	0.000	
		Poff (Off mode)	kW	0.010	
		Psb (Standby mode)	kW	0.010	
		Pto (Thermostat off)	kW	0.010	
	Integrated supplementary heater	Psup	kW	9.0	
Type of energy input		Electrical			
Domestic hot water heating	Average climate	η <sub>wh</sub> (water heating efficiency)	%	-	
	Cold climate	η <sub>wh</sub> (water heating efficiency)	%	-	
	Warm climate	η <sub>wh</sub> (water heating efficiency)	%	-	
Heating capacity	Nom.		kW	6.00 (1) / 5.90 (2)	
Cooling capacity	Nom.		kW	5.96 (1) / 4.87 (2)	
Power input	Heating	Nom.	kW	1.24 (1) / 1.69 (2)	
	Cooling	Nom.	kW	1.06 (1) / 1.33 (2)	
COP				4.85 (1) / 3.50 (2)	
EER				5.61 (1) / 3.67 (2)	
Pump	Nominal ESP unit	Cooling	kPa	52.6 (1) / 57.5 (2)	
		Heating	kPa	52.4 (1) / 52.9 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom. l/min	17.1 (1) / 14.0 (2)	
		Heating	Nom. l/min	17.2 (1) / 16.9 (2)	
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
		Name or trademark		Daikin Europe N.V.	
	Product description	Air-to-water heat pump		Yes	
		Brine-to-water heat pump		No	
		Heat pump combination heater		No	
		Low-temperature heat pump		No	
		Supplementary heater integrated		Yes	
Water-to-water heat pump		No			
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42	
	Outdoor		dB(A)	60	
Sound condition Ecodesign and energy label				62	
				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825	

### Notes

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

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



## 2 Specifications

2

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					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
			ηs (Seasonal space heating efficiency)	%	127		130
			Prated at -10°C	kW	6.0	7.0	8.0
			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 supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	1.6	0.9	
		Tbiv (bivalent temperature)	COPd		1.97	2.12	1.90
			Pdh	kW	5.3	6.1	7.5
			PERd	%	79	85	76
Tbiv	°C		-7	-6	-8		
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	5.0	6.0	8.0	
Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	1,858	2,213	
		ηs (Seasonal space heating efficiency)	%	148	158	161	
		Prated at 2°C	kW	4.7	5.6	6.8	

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVH04S23DV/ERGA04DV	EHVH08S23DV/ERGA06DV	EHVH08S23DV/ERGA08DV	
2-1 Capacity and Power input							
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47	4.56
			Annual energy consumption	kWh	2,766	3,233	3,625
			ηs (Seasonal space heating efficiency)	%	176		179
			Prated at -10°C	kW	6.0	7.0	8.0
			Seasonal space heating eff. class		A++		
			A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86
		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)	PERd	%	311		341
	COPd			2.56	2.49	2.41	
	Pdh		kW	5.2	6.0	6.9	
	PERd		%	102	100	96	
	TOL		°C	-10			
	Tbiv (bivalent temperature)	WTOL	°C	35			
		COPd		2.90	3.07	2.66	
		Pdh	kW	5.5	6.1	7.5	
		PERd	%	116	123	106	
	Rated heat output supplementary capacity	Tbiv	°C	-7	-6	-8	
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	
		Qhe Annual energy consumption (GCV)	Gj	-			
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276	1,437	
		ηs (Seasonal space heating efficiency)	%	241	248	257	
		Prated at 2°C	kW	5.2	6.0	7.0	

## 2 Specifications

2

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input				EHVH04S23DV/ERGA04DV	EHVH08S23DV/ERGA06DV	EHVH08S23DV/ERGA08DV	
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			
Integrated supplementary heater	Type of energy input		-	Electrical	-		
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 <sub>wh</sub> (water heating efficiency)	%	134			
		Q <sub>fuel</sub> (Daily fuel consumption)	kWh	5.820			
		Water heating energy efficiency class		A			
	Cold climate	AEC (Annual electricity consumption)	kWh	1,457			
		η <sub>wh</sub> (water heating efficiency)	%	115			
		Q <sub>elec</sub> (Daily electricity consumption)	kWh	6.760			
	Warm climate	AEC (Annual electricity consumption)	kWh	1,033			
η <sub>wh</sub> (water heating efficiency)		%	163				
Q <sub>elec</sub> (Daily electricity consumption)		kWh	4.810				
Heating capacity	Nom.	kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)	
	Domestic hot water from 10°C to 50°C	Nom.	kWh	3.01			
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)	
Pump	Nominal ESP unit	Heating	kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)	21.5 (1) / 22.4 (2)
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium			
		Name or trademark		Daikin Europe N.V.			
	Product description	Air-to-water heat pump		Yes			
		Brine-to-water heat pump		No			
		Heat pump combination heater		No			
		Low-temperature heat pump		No			
		Supplementary heater integrated		Yes			
Water-to-water heat pump		No					
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42			
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	58	60	62	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825			
Heat up time from 10°C to 50°C			hr	1h40min			

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVH04S23DVG/ ERGA04DV	EHVH08S23DVG/ ERGA06DV	EHVH08S23DVG/ ERGA08DV
<b>2-1 Capacity and Power input</b>							
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806	4,441	4,975
			ηs (Seasonal space heating efficiency)	%	127		130
			Prated at -10°C	kW	6.0	7.0	8.0
			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 supplementary capacity	Psup (at Tdesign -10°C)		kW	2.0	1.6	0.9
		Tbiv (bivalent temperature)	COPd		1.97	2.12	1.90
			Pdh	kW	5.3	6.1	7.5
			PERd	%	79	85	76
			Tbiv	°C	-7	-6	-8
	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	5.0	6.0	8.0	
Annual energy consumption			kWh	1,660	1,858	2,213	
Warm climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	148	158	161	
		Prated at 2°C	kW	4.7	5.6	6.8	

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVH04S23DVG/ ERGA04DV	EHVH08S23DVG/ ERGA06DV	EHVH08S23DVG/ ERGA08DV	
<b>2-1 Capacity and Power input</b>							
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47	4.56
			Annual energy consumption	kWh	2,766	3,233	3,625
			ηs (Seasonal space heating efficiency)	%	176		179
			Prated at -10°C	kW	6.0	7.0	8.0
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86	2.77
			Pdh	kW	5.5	6.0	7.0
			PERd	%	116	114	111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.33	4.25	4.35
			Pdh	kW	3.3	3.9	4.2
		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)	PERd		311		341	
		COPd		2.56	2.49	2.41	
		Pdh	kW	5.2	6.0	6.9	
		PERd	%	102	100	96	
		TOL	°C	-10			
	Tbiv (bivalent temperature)	WTOL		35			
		COPd		2.90	3.07	2.66	
		Pdh	kW	5.5	6.1	7.5	
		PERd	%	116	123	106	
	Rated heat output supplementary capacity	Tbiv		-7		-8	
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	
		Qhe Annual energy consumption (GCV)	Gj	-			
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276	1,437	
		ηs (Seasonal space heating efficiency)	%	241	248	257	
		Prated at 2°C	kW	5.2	6.0	7.0	

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVH04S23DVG/ ERGA04DV	EHVH08S23DVG/ ERGA06DV	EHVH08S23DVG/ ERGA08DV
<b>2-1 Capacity and Power input</b>						
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		
	Integrated supplementary heater	Type of energy input		-	Electrical	-
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 <sub>wh</sub> (water heating efficiency)	%	134		
		Q <sub>fuel</sub> (Daily fuel consumption)	kWh	5.820		
		Water heating energy efficiency class		A		
	Cold climate	AEC (Annual electricity consumption)	kWh	1,457		
		η <sub>wh</sub> (water heating efficiency)	%	115		
		Q <sub>elec</sub> (Daily electricity consumption)	kWh	6.760		
	Warm climate	AEC (Annual electricity consumption)	kWh	1,033		
η <sub>wh</sub> (water heating efficiency)		%	163			
	Q <sub>elec</sub> (Daily electricity consumption)	kWh	4.810			
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)	7.50 (1) / 7.80 (2)
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)	1.63 (1) / 2.23 (2)
	Domestic hot water from 10°C to 50°C	Nom.	kWh	3.01		
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)	4.60 (1) / 3.50 (2)
Pump	Nominal ESP unit	Heating	kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)	43.3 (1) / 41.2 (2)
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium		
		Name or trademark		Daikin Europe N.V.		
	Product description	Air-to-water heat pump		Yes		
		Brine-to-water heat pump		No		
		Heat pump combination heater		No		
		Low-temperature heat pump		No		
		Supplementary heater integrated		Yes		
Water-to-water heat pump		No				
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42		
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	58	60	62
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		
Heat up time from 10°C to 50°C			hr	1h40min		

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVH04S18D6V/ ERGA04DV	EHVH04S23D6V/ ERGA04DV	EHVH08S18D6V/ ERGA06DV	EHVH08S23D6V/ ERGA06DV	EHVH08S18D6V/ ERGA08DV	EHVH08S23D6V/ ERGA08DV		
<b>2-1 Capacity and Power input</b>												
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806		4,441		4,975			
			ηs (Seasonal space heating efficiency)	%	127				130			
			Prated at -10°C	kW	6.0		7.0		8.0			
			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		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		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 supplementary capacity	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				
		ηs (Seasonal space heating efficiency)	%	107		109		112				
		Prated at -22°C	kW	5.0		6.0		8.0				
		Annual energy consumption	kWh	1,660		1,858		2,213				
Warm climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	148		158		161				
		Prated at 2°C	kW	4.7		5.6		6.8				

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVH04S18D6V/ ERGA04DV	EHVH04S23D6V/ ERGA04DV	EHVH08S18D6V/ ERGA06DV	EHVH08S23D6V/ ERGA06DV	EHVH08S18D6V/ ERGA08DV	EHVH08S23D6V/ ERGA08DV		
<b>2-1 Capacity and Power input</b>											
Space heating	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56		
			Annual energy consumption	kWh	2,766		3,233		3,625		
			ηs (Seasonal space heating efficiency)	%	176				179		
			Prated at -10°C	kW	6.0		7.0		8.0		
			Seasonal space heating eff. class		A++						
		A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77		
			Pdh	kW	5.5		6.0		7.0		
			PERd	%	116		114		111		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0						
			COPd		4.33		4.25		4.35		
			Pdh	kW	3.3		3.9		4.2		
		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		2.56		2.49		2.41			
		Pdh	kW	5.2		6.0		6.9			
		PERd	%	102		100		96			
		TOL	°C			-10					
		WTOL	°C			35					
	Tbiv (bivalent temperature)	COPd		2.90		3.07		2.66			
		Pdh	kW	5.5		6.1		7.5			
		PERd	%	116		123		106			
		Tbiv	°C	-7		-6		-8			
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8		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		
Qhe Annual energy consumption (GCV)			Gj			-					
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139		1,276		1,437			
		ηs (Seasonal space heating efficiency)	%	241		248		257			
		Prated at 2°C	kW	5.2		6.0		7.0			



## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVH04S18D6V/ ERGA04DV		EHVH04S23D6V/ ERGA04DV		EHVH08S18D6V/ ERGA06DV		EHVH08S23D6V/ ERGA06DV		EHVH08S18D6V/ ERGA08DV		EHVH08S23D6V/ ERGA08DV		
<b>2-1 Capacity and Power input</b>																
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												
	Integrated supplementary heater	Psup	kW	6.0												
Type of energy input		Electrical														
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	L	XL	L	XL	L	XL	
		Function to fix water heating during off peak hours		No												
	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267	820	1,267	820	1,267	820	1,267	820	1,267	
		ηwh (water heating efficiency)	%	125	133	125	133	125	133	125	133	125	133	125	133	
		Qfuel (Daily fuel consumption)	kWh	3.870	5.900	3.870	5.900	3.870	5.900	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	951	1,475	951	1,475	951	1,475	
		ηwh (water heating efficiency)	%	107	114	107	114	107	114	107	114	107	114	107	114	
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	4.480	6.860	4.480	6.860	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	680	1,046	680	1,046	680	1,046	
ηwh (water heating efficiency)		%	151	161	151	161	151	161	151	161	151	161	151	161		
Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880	3.220	4.880	3.220	4.880	3.220	4.880	3.220	4.880		
Heating capacity	Nom.	kW	4.30 (1) / 4.60 (2)				6.00 (1) / 5.90 (2)				7.50 (1) / 7.80 (2)					
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)				1.24 (1) / 1.69 (2)				1.63 (1) / 2.23 (2)				
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01	2.48	3.01	2.48	3.01	2.48	3.01	2.48	3.01	2.48	3.01	
COP			5.10 (1) / 3.65 (2)				4.85 (1) / 3.50 (2)				4.60 (1) / 3.50 (2)					
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												
				Brine-to-water heat pump												
				Heat pump combination heater												
				Low-temperature heat pump												
				Supplementary heater integrated												
				Water-to-water heat pump												
LW(A) Sound power level (according to EN14825)		Indoor	dB(A)	42												
LW(A) Sound power level (according to EN14825)		Outdoor	dB(A)	58				60				62				
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825												
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min	

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVH04S18D6VG/ ERGA04DV	EHVH04S23D6VG/ ERGA04DV	EHVH08S18D6VG/ ERGA06DV	EHVH08S23D6VG/ ERGA06DV	EHVH08S18D6VG/ ERGA08DV	EHVH08S23D6VG/ ERGA08DV		
<b>2-1 Capacity and Power input</b>												
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806		4,441		4,975			
			ηs (Seasonal space heating efficiency)	%	127		130		130			
			Prated at -10°C	kW	6.0		7.0		8.0			
			SCOP		3.26		3.32		3.32			
			Seasonal space heating eff. class		A++		A++		A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)				1.0		1.0		1.0	
			COPd				1.97		1.98		1.96	
			Pdh	kW	5.3		5.9		6.9		6.9	
			PERd	%	79		79		78		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)				1.0		1.0		1.0	
			COPd				3.23		3.16		3.20	
			Pdh	kW	3.3		3.9		4.4		4.4	
			PERd	%	129		126		128		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)				1.0		1.0		1.0	
			COPd				4.40		4.49		4.64	
			Pdh	kW	3.0		3.0		3.3		3.3	
			PERd	%	176		180		186		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)				1.0		1.0		1.0	
			COPd				6.10		6.10		6.22	
			Pdh	kW	3.3		3.3		4.1		4.1	
			PERd	%	244		244		249		249	
		Tol (temperature operating limit)	COPd				1.37		1.53		1.64	
			Pdh	kW	4.0		5.4		7.1		7.1	
			PERd	%	55		61		66		66	
			TOL	°C			-10		-10		-10	
			WTOL	°C			55		55		55	
		Rated heat output supplementary capacity	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		7.5	
			PERd	%	79		85		76		76	
Tbiv	°C		-7		-6		-8		-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	5.0		6.0		8.0				
		Annual energy consumption	kWh	1,660		1,858		2,213				
Warm climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	148		158		161				
		Prated at 2°C	kW	4.7		5.6		6.8				
		Annual energy consumption	kWh	1,660		1,858		2,213				

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVH04S18D6VG/ ERGA04DV	EHVH04S23D6VG/ ERGA04DV	EHVH08S18D6VG/ ERGA08DV	EHVH08S23D6VG/ ERGA08DV	EHVH08S18D6VG/ ERGA08DV	EHVH08S23D6VG/ ERGA08DV		
<b>2-1 Capacity and Power input</b>											
Space heating	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56		
			Annual energy consumption	kWh	2,766		3,233		3,625		
			ηs (Seasonal space heating efficiency)	%	176				179		
			Prated at -10°C	kW	6.0		7.0		8.0		
			Seasonal space heating eff. class		A++						
		A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77		
			Pdh	kW	5.5		6.0		7.0		
			PERd	%	116		114		111		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0						
			COPd		4.33		4.25		4.35		
			Pdh	kW	3.3		3.9		4.2		
		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		2.56		2.49		2.41			
		Pdh	kW	5.2		6.0		6.9			
		PERd	%	102		100		96			
		TOL	°C			-10					
		WTOL	°C			35					
	Tbiv (bivalent temperature)	COPd		2.90		3.07		2.66			
		Pdh	kW	5.5		6.1		7.5			
		PERd	%	116		123		106			
		Tbiv	°C	-7		-6		-8			
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8		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			
		Qhe Annual energy consumption (GCV)	Gj			-					
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139		1,276		1,437			
		ηs (Seasonal space heating efficiency)	%	241		248		257			
		Prated at 2°C	kW	5.2		6.0		7.0			

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVH04S18D6VG/ ERGA04DV	EHVH04S23D6VG/ ERGA04DV	EHVH08S18D6VG/ ERGA08DV	EHVH08S23D6VG/ ERGA08DV	EHVH08S18D6VG/ ERGA08DV	EHVH08S23D6VG/ ERGA08DV
<b>2-1 Capacity and Power input</b>									
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					
	Integrated supplementary heater	Psup	kW	6.0					
		Type of energy input		Electrical					
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours		No					
	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
		Qfuel (Daily fuel consumption)	kWh	3.870	5.900	3.870	5.900	3.870	5.900
		Water heating energy efficiency class		A					
	Cold climate	AEC (Annual electricity consumption)	kWh	951	1,475	951	1,475	951	1,475
		ηwh (water heating efficiency)	%	107	114	107	114	107	114
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046	680	1,046	680	1,046
ηwh (water heating efficiency)		%	151	161	151	161	151	161	
Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880	3.220	4.880	
Heating capacity	Nom.	kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01	2.48	3.01	2.48	3.01
COP			5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Pump	Nominal ESP unit	Heating	kPa	59.6 (1) / 58.6 (2)		52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		No					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
Water-to-water heat pump		No							
LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	42						
LW(A) Sound power level (according to EN14825)	Outdoor	dB(A)	58		60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVH08S18D9W/ ERGA06DV	EHVH08S23D9W/ ERGA06DV	EHVH08S18D9W/ ERGA08DV	EHVH08S23D9W/ ERGA08DV		
2-1 Capacity and Power input										
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			
			SCOP		3.26		3.32			
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd				1.98		1.96	
			Pdh	kW			5.9		6.9	
			PERd	%			79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd				3.16		3.20	
			Pdh	kW			3.9		4.4	
			PERd	%			126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd				4.49		4.64	
			Pdh	kW			3.0		3.3	
			PERd	%			180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0					
			COPd				6.10		6.22	
			Pdh	kW			3.3		4.1	
			PERd	%			244		249	
		Tol (temperature operating limit)	COPd				1.53		1.64	
			Pdh	kW			5.4		7.1	
			PERd	%			61		66	
			TOL	°C			-10			
			WTOL	°C			55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)		kW		1.6		0.9	
Tbiv (bivalent temperature)			COPd		2.12		1.90			
Pdh	kW				6.1		7.5			
PERd	%				85		76			
Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300		6,886				
		ηs (Seasonal space heating efficiency)	%	109		112				
		Prated at -22°C	kW	6.0		8.0				
		Tbiv	°C	-6		-8				
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				
		Tbiv	°C	-6		-8				

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVH08S18D9W/ ERGA06DV	EHVH08S23D9W/ ERGA06DV	EHVH08S18D9W/ ERGA08DV	EHVH08S23D9W/ ERGA08DV		
2-1 Capacity and Power input									
Space heating	Average climate water outlet 35°C	General	SCOP		4.47		4.56		
			Annual energy consumption	kWh	3,233		3,625		
			ηs (Seasonal space heating efficiency)	%	176		179		
			Prated at -10°C	kW	7.0		8.0		
			Seasonal space heating eff. class		A++				
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77		
			Pdh	kW	6.0		7.0		
			PERd	%	114		111		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				
			COPd		4.25		4.35		
			Pdh	kW	3.9		4.2		
			PERd	%	170		174		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0				
			COPd		6.30		6.49		
			Pdh	kW	3.2		3.3		
	PERd		%	252		260			
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0					
		COPd		7.78		8.52			
		Pdh	kW	3.3		3.9			
		PERd	%	311		341			
	Tol (temperature operating limit)	COPd		2.49		2.41			
		Pdh	kW	6.0		6.9			
		PERd	%	100		96			
		TOL	°C	-10					
		WTOL	°C	35					
	Tbiv (bivalent temperature)	COPd		3.07		2.66			
		Pdh	kW	6.1		7.5			
		PERd	%	123		106			
		Tbiv	°C	-6		-8			
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0		1.1			
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,034			
		ηs (Seasonal space heating efficiency)	%	155		154			
		Prated at -22°C	kW	6.0		8.0			
		Qhe Annual energy consumption (GCV)	Gj	-					
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,276		1,437			
		ηs (Seasonal space heating efficiency)	%	248		257			
		Prated at 2°C	kW	6.0		7.0			

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVH08S18D9W/ ERGA06DV	EHVH08S23D9W/ ERGA06DV	EHVH08S18D9W/ ERGA08DV	EHVH08S23D9W/ ERGA08DV	
<b>2-1 Capacity and Power input</b>								
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	General	Declared load profile		L	XL	L	XL	
		Function to fix water heating during off peak hours		No				
	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267	
		ηwh (water heating efficiency)	%	125	133	125	133	
		Qfuel (Daily fuel consumption)	kWh	3.870	5.900	3.870	5.900	
		Water heating energy efficiency class		A				
	Cold climate	AEC (Annual electricity consumption)	kWh	951	1,475	951	1,475	
		ηwh (water heating efficiency)	%	107	114	107	114	
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	4.480	6.860	
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046	680	1,046	
ηwh (water heating efficiency)		%	151	161	151	161		
Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880		
Heating capacity	Nom.		kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01	2.48	3.01	
COP				4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Pump	Nominal ESP unit	Heating	kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)		
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium				
		Name or trademark		Daikin Europe N.V.				
	Product description	Air-to-water heat pump		Yes				
		Brine-to-water heat pump		No				
		Heat pump combination heater		No				
		Low-temperature heat pump		No				
		Supplementary heater integrated		Yes				
Water-to-water heat pump		No						
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42				
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825				
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVH08S18D9WG/ ERGA06DV	EHVH08S23D9WG/ ERGA06DV	EHVH08S18D9WG/ ERGA08DV	EHVH08S23D9WG/ ERGA08DV		
2-1 Capacity and Power input										
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			
			SCOP		3.26		3.32			
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd				1.98		1.96	
			Pdh	kW			5.9		6.9	
			PERd	%			79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd				3.16		3.20	
			Pdh	kW			3.9		4.4	
			PERd	%			126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd				4.49		4.64	
			Pdh	kW			3.0		3.3	
			PERd	%			180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0					
			COPd				6.10		6.22	
			Pdh	kW			3.3		4.1	
	PERd		%			244		249		
	Tol (temperature operating limit)	COPd				1.53		1.64		
		Pdh	kW			5.4		7.1		
		PERd	%			61		66		
		TOL	°C			-10				
		WTOL	°C			55				
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)		kW		1.6		0.9		
		Tbiv (bivalent temperature)		COPd		2.12		1.90		
		Pdh	kW			6.1		7.5		
		PERd	%			85		76		
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300		6,886			
			ηs (Seasonal space heating efficiency)	%	109		112			
Prated at -22°C			kW	6.0		8.0				
Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		2,213				
		ηs (Seasonal space heating efficiency)	%	158		161				
		Prated at 2°C	kW	5.6		6.8				



## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVH08S18D9WG/ ERGA06DV	EHVH08S23D9WG/ ERGA06DV	EHVH08S18D9WG/ ERGA08DV	EHVH08S23D9WG/ ERGA08DV		
<b>2-1 Capacity and Power input</b>									
Space heating	Average climate water outlet 35°C	General	SCOP		4.47		4.56		
			Annual energy consumption	kWh	3,233		3,625		
			ηs (Seasonal space heating efficiency)	%	176		179		
			Prated at -10°C	kW	7.0		8.0		
			Seasonal space heating eff. class		A++				
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77		
			Pdh	kW	6.0		7.0		
			PERd	%	114		111		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				
			COPd		4.25		4.35		
			Pdh	kW	3.9		4.2		
			PERd	%	170		174		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0				
			COPd		6.30		6.49		
			Pdh	kW	3.2		3.3		
	PERd		%	252		260			
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0					
		COPd		7.78		8.52			
		Pdh	kW	3.3		3.9			
		PERd	%	311		341			
	Tol (temperature operating limit)	COPd		2.49		2.41			
		Pdh	kW	6.0		6.9			
		PERd	%	100		96			
		TOL	°C	-10					
		WTOL	°C	35					
	Tbiv (bivalent temperature)	COPd		3.07		2.66			
		Pdh	kW	6.1		7.5			
PERd		%	123		106				
Tbiv		°C	-6		-8				
Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0		1.1				
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,034			
		ηs (Seasonal space heating efficiency)	%	155		154			
		Prated at -22°C	kW	6.0		8.0			
		Qhe Annual energy consumption (GCV)	Gj	-					
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,276		1,437			
		ηs (Seasonal space heating efficiency)	%	248		257			
		Prated at 2°C	kW	6.0		7.0			

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVH08S18D9WG/ ERGA06DV	EHVH08S23D9WG/ ERGA06DV	EHVH08S18D9WG/ ERGA08DV	EHVH08S23D9WG/ ERGA08DV	
<b>2-1 Capacity and Power input</b>								
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	General	Declared load profile		L	XL	L	XL	
		Function to fix water heating during off peak hours		No				
	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267	
		ηwh (water heating efficiency)	%	125	133	125	133	
		Qfuel (Daily fuel consumption)	kWh	3.870	5.900	3.870	5.900	
		Water heating energy efficiency class		A				
	Cold climate	AEC (Annual electricity consumption)	kWh	951	1,475	951	1,475	
		ηwh (water heating efficiency)	%	107	114	107	114	
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	4.480	6.860	
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046	680	1,046	
ηwh (water heating efficiency)		%	151	161	151	161		
Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880		
Heating capacity	Nom.		kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01	2.48	3.01	
COP				4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Pump	Nominal ESP unit	Heating	kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)		
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium				
		Name or trademark		Daikin Europe N.V.				
	Product description	Air-to-water heat pump		Yes				
		Brine-to-water heat pump		No				
		Heat pump combination heater		No				
		Low-temperature heat pump		No				
		Supplementary heater integrated		Yes				
Water-to-water heat pump		No						
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42				
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825				
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	

### Notes

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

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

## 2 Specifications

CONNECTABLE INDOOR UNITS					EHVX04S18D3V/ERGA04DV		EHVX04S23D3V/ERGA04DV				
2-1 Capacity and Power input											
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						
			SCOP		3.29						
			Seasonal space heating eff. class		A++						
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)				1.0				
			COPd				1.97				
			Pdh	kW				5.3			
			PERd	%				79			
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)				1.0				
			COPd				3.23				
			Pdh	kW				3.3			
			PERd	%				129			
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)				1.0				
			COPd				4.40				
			Pdh	kW				3.0			
			PERd	%				176			
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)				1.0				
			COPd				6.10				
			Pdh	kW				3.3			
			PERd	%				244			
		Tol (temperature operating limit)	COPd				1.37				
			Pdh	kW				4.0			
			PERd	%				55			
			TOL	°C				-10			
			WTOL	°C				55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW				2.0			
	Tbiv (bivalent temperature)		COPd				1.97				
			Pdh	kW				5.3			
			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							

## 2 Specifications

CONNECTABLE INDOOR UNITS					EHVX04S18D3V/ERGA04DV		EHVX04S23D3V/ERGA04DV	
2-1 Capacity and Power input								
Space heating	Average climate water outlet 35°C	General	SCOP		4.54			
			Annual energy consumption	kWh	2,729			
			ηs (Seasonal space heating efficiency)	%	179			
			Prated at -10°C	kW	6.0			
			Seasonal space heating eff. class	A++				
		A Condition (-7°CDB/-8°CWB)	COPd		2.90			
			Pdh	kW	5.5			
			PERd	%	116			
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.33			
			Pdh	kW	3.3			
		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			
			COPd		2.56			
			Pdh	kW	5.2			
			PERd	%	102			
	TOL		°C	-10				
	Tbiv (bivalent temperature)	WTOL		35				
		COPd		2.90				
		Pdh	kW	5.5				
		PERd	%	116				
		Tbiv	°C	-7				
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8				
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208			
			ηs (Seasonal space heating efficiency)	%	151			
			Prated at -22°C	kW	5.0			
			Qhe Annual energy consumption (GCV)	Gj	-			
	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				

## 2 Specifications

CONNECTABLE INDOOR UNITS					
2-1 Capacity and Power input				EHVX04S18D3V/ERGA04DV	
				EHVX04S23D3V/ERGA04DV	
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	
	Integrated supplementary heater	Psup	kW	3.0	
Type of energy input		Electrical			
Domestic hot water heating	General	Declared load profile		L	XL
		Function to fix water heating during off peak hours		No	
	Average climate	AEC (Annual electricity consumption)	kWh	805	1,252
		η <sub>wh</sub> (water heating efficiency)	%	127	134
		Q <sub>fuel</sub> (Daily fuel consumption)	kWh	3.780	5.820
		Water heating energy efficiency class		A	
	Cold climate	AEC (Annual electricity consumption)	kWh	932	1,457
		η <sub>wh</sub> (water heating efficiency)	%	110	115
		Q <sub>elec</sub> (Daily electricity consumption)	kWh	4.370	6.760
	Warm climate	AEC (Annual electricity consumption)	kWh	668	1,033
η <sub>wh</sub> (water heating efficiency)		%	154	163	
Q <sub>elec</sub> (Daily electricity consumption)		kWh	3.150	4.810	
Heating capacity	Nom.	kW	4.30 (1) / 4.60 (2)		
Cooling capacity	Nom.	kW	4.86 (1) / 4.31 (2)		
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)	
	Cooling	Nom.	kW	0.940 (1) / 1.14 (2)	
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01
COP				5.10 (1) / 3.65 (2)	
EER				5.94 (1) / 3.84 (2)	
Pump	Nominal ESP unit	Cooling	kPa	54.6 (1) / 59.4 (2)	
		Heating	kPa	59.6 (1) / 58.6 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom. l/min	15.9 (1) / 12.5 (2)	
		Heating	Nom. l/min	12.3 (1) / 13.2 (2)	
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
		Name or trademark		Daikin Europe N.V.	
	Product description	Air-to-water heat pump		Yes	
		Brine-to-water heat pump		No	
		Heat pump combination heater		No	
		Low-temperature heat pump		No	
		Supplementary heater integrated		Yes	
Water-to-water heat pump		No			
LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	42		
LW(A) Sound power level (according to EN14825)	Outdoor	dB(A)	58		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825	
Heat up time from 10°C to 50°C			hr	1h28min	1h40min

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVX04S18D3VG/ERGA04DV		EHVX04S23D3VG/ERGA04DV		
2-1 Capacity and Power input									
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				
			SCOP		3.29				
			Seasonal space heating eff. class		A++				
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1.0			
			COPd			1.97			
			Pdh	kW	5.3				
			PERd	%	79				
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0			
			COPd			3.23			
			Pdh	kW	3.3				
			PERd	%	129				
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0			
			COPd			4.40			
			Pdh	kW	3.0				
			PERd	%	176				
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0			
			COPd			6.10			
			Pdh	kW	3.3				
			PERd	%	244				
		Tol (temperature operating limit)	COPd			1.37			
			Pdh	kW	4.0				
			PERd	%	55				
			TOL	°C	-10				
			WTOL	°C	55				
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0				
	Tbiv (bivalent temperature)		COPd			1.97			
			Pdh	kW	5.3				
			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					

## 2 Specifications

CONNECTABLE INDOOR UNITS					EHVX04S18D3VG/ERGA04DV		EHVX04S23D3VG/ERGA04DV	
2-1 Capacity and Power input								
Space heating	Average climate water outlet 35°C	General	SCOP		4.54			
			Annual energy consumption	kWh	2,729			
			ηs (Seasonal space heating efficiency)	%	179			
			Prated at -10°C	kW	6.0			
			Seasonal space heating eff. class	A++				
		A Condition (-7°CDB/-8°CWB)	COPd		2.90			
			Pdh	kW	5.5			
			PERd	%	116			
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.33			
			Pdh	kW	3.3			
		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			
			COPd		2.56			
			Pdh	kW	5.2			
	PERd		%	102				
	TOL		°C	-10				
	Tbiv (bivalent temperature)	WTOL		35				
		COPd		2.90				
		Pdh	kW	5.5				
		PERd	%	116				
		Tbiv	°C	-7				
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8				
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208			
			ηs (Seasonal space heating efficiency)	%	151			
			Prated at -22°C	kW	5.0			
			Qhe Annual energy consumption (GCV)	Gj	-			
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				

## 2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input				EHVX04S18D3VG/ERGA04DV		
				EHVX04S23D3VG/ERGA04DV		
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		
	Integrated supplementary heater	Psup	kW	3.0		
Type of energy input		Electrical				
Domestic hot water heating	General	Declared load profile		L	XL	
		Function to fix water heating during off peak hours		No		
	Average climate	AEC (Annual electricity consumption)	kWh	805	1,252	
		η <sub>wh</sub> (water heating efficiency)	%	127	134	
		Q <sub>fuel</sub> (Daily fuel consumption)	kWh	3.780	5.820	
		Water heating energy efficiency class		A		
	Cold climate	AEC (Annual electricity consumption)	kWh	932	1,457	
		η <sub>wh</sub> (water heating efficiency)	%	110	115	
		Q <sub>elec</sub> (Daily electricity consumption)	kWh	4.370	6.760	
	Warm climate	AEC (Annual electricity consumption)	kWh	668	1,033	
		η <sub>wh</sub> (water heating efficiency)	%	154	163	
Q <sub>elec</sub> (Daily electricity consumption)		kWh	3.150	4.810		
Heating capacity	Nom.	kW	4.30 (1) / 4.60 (2)			
Cooling capacity	Nom.	kW	4.86 (1) / 4.31 (2)			
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		
	Cooling	Nom.	kW	0.940 (1) / 1.14 (2)		
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01	
COP				5.10 (1) / 3.65 (2)		
EER				5.94 (1) / 3.84 (2)		
Pump	Nominal ESP unit	Cooling	kPa	54.6 (1) / 59.4 (2)		
		Heating	kPa	59.6 (1) / 58.6 (2)		
Water side Heat exchanger	Water flow rate	Cooling	Nom. l/min	15.9 (1) / 12.5 (2)		
		Heating	Nom. l/min	12.3 (1) / 13.2 (2)		
General	Supplier/ Manufacturer details	Name and address				Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium
		Name or trademark				Daikin Europe N.V.
	Product description	Air-to-water heat pump				Yes
		Brine-to-water heat pump				No
		Heat pump combination heater				No
		Low-temperature heat pump				No
		Supplementary heater integrated				Yes
Water-to-water heat pump				No		
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42		
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	58		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	

### Notes

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

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



## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVX04S18D6V/ ERGA04DV	EHVX04S23D6V/ ERGA04DV	EHVX08S18D6V/ ERGA06DV	EHVX08S23D6V/ ERGA06DV	EHVX08S18D6V/ ERGA08DV	EHVX08S23D6V/ ERGA08DV		
<b>2-1 Capacity and Power input</b>												
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			
			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		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		3.0		3.3			
			PERd	%	176		180		186			
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0							
			COPd		6.10		6.10		6.22			
			Pdh	kW	3.3		3.3		4.1			
			PERd	%	244		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 supplementary capacity	Psup (at Tdesign -10°C)		kW		2.0		1.6		0.9	
			Tbiv (bivalent temperature)	COPd		1.97		2.12		1.90		
				Pdh	kW	5.3		6.1		7.5		
				PERd	%	79		85		76		
Tbiv	°C			-7		-6		-8				
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				
		Annual energy consumption	kWh	1,616		1,813		2,168				
Warm climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	152		162		165				
		Prated at 2°C	kW	4.7		5.6		6.8				

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVX04S18D6V/ ERGA04DV	EHVX04S23D6V/ ERGA04DV	EHVX08S18D6V/ ERGA06DV	EHVX08S23D6V/ ERGA06DV	EHVX08S18D6V/ ERGA08DV	EHVX08S23D6V/ ERGA08DV		
<b>2-1 Capacity and Power input</b>											
Space heating	Average climate water outlet 35°C	General	SCOP		4.54		4.52		4.61		
			Annual energy consumption	kWh	2,729		3,196		3,588		
			$\eta_s$ (Seasonal space heating efficiency)	%	179		178		181		
			Prated at -10°C	kW	6.0		7.0		8.0		
			Seasonal space heating eff. class		A++						
		A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77		
			Pdh	kW	5.5		6.0		7.0		
			PERd	%	116		114		111		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0						
			COPd		4.33		4.25		4.35		
			Pdh	kW	3.3		3.9		4.2		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0						
			COPd		6.19		6.30		6.49		
			Pdh	kW	3.2		3.3		3.3		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0						
	COPd		7.78		8.52		8.52				
	Pdh		kW	3.3		3.9		3.9			
	Tol (temperature operating limit)	COPd		2.56		2.49		2.41			
		Pdh	kW	5.2		6.0		6.9			
		PERd	%	102		100		96			
		TOL	°C	-10							
		WTOL	°C	35							
	Tbiv (bivalent temperature)	COPd		2.90		3.07		2.66			
		Pdh	kW	5.5		6.1		7.5			
		PERd	%	116		123		106			
		Tbiv	°C	-7		-6		-8			
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8		1.0		1.1			
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,208		3,727		5,012			
		$\eta_s$ (Seasonal space heating efficiency)	%	151		156		154			
		Prated at -22°C	kW	5.0		6.0		8.0			
		Qhe Annual energy consumption (GCV)	Gj	-							
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,095		1,232		1,393			
		$\eta_s$ (Seasonal space heating efficiency)	%	251		257		266			
		Prated at 2°C	kW	5.2		6.0		7.0			

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVX04S18D6V/ ERGA04DV	EHVX04S23D6V/ ERGA04DV	EHVX08S18D6V/ ERGA06DV	EHVX08S23D6V/ ERGA06DV	EHVX08S18D6V/ ERGA08DV	EHVX08S23D6V/ ERGA08DV	
<b>2-1 Capacity and Power input</b>										
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						
	Integrated supplementary heater	Psup	kW	6.0						
Type of energy input		Electrical								
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	
		Function to fix water heating during off peak hours		No						
	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	
		Qfuel (Daily fuel consumption)	kWh	3.870	5.900	3.870	5.900	3.870	5.900	
		Water heating energy efficiency class		A						
	Cold climate	AEC (Annual electricity consumption)	kWh	951	1,475	951	1,475	951	1,475	
		ηwh (water heating efficiency)	%	107	114	107	114	107	114	
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	4.480	6.860	4.480	6.860	
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046	680	1,046	680	1,046	
ηwh (water heating efficiency)		%	151	161	151	161	151	161		
Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880	3.220	4.880		
Heating capacity	Nom.	kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)			
Cooling capacity	Nom.	kW	4.86 (1) / 4.31 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)			
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
	Cooling	Nom.	kW	0.940 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)		
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01	2.48	3.01	2.48	3.01	
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
EER				5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)		
Pump	Nominal ESP unit	Cooling	kPa	54.6 (1) / 59.4 (2)		52.6 (1) / 57.5 (2)		51.1 (1) / 55.5 (2)		
		Heating	kPa	59.6 (1) / 58.6 (2)		52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)		
Water side Heat exchanger	Water flow rate	Cooling	Nom. l/min	15.9 (1) / 12.5 (2)		17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)		
		Heating	Nom. l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)		
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium						
		Name or trademark		Daikin Europe N.V.						
	Product description	Air-to-water heat pump		Yes						
		Brine-to-water heat pump		No						
		Heat pump combination heater		No						
		Low-temperature heat pump		No						
		Supplementary heater integrated		Yes						
Water-to-water heat pump		No								
LW(A) Sound power level (according to EN14825)	Indoor			42						
LW(A) Sound power level (according to EN14825)	Outdoor			58	60	62				
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825						
Heat up time from 10°C to 50°C				hr	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVX04S18D6VG/ ERGA04DV	EHVX04S23D6VG/ ERGA04DV	EHVX08S18D6VG/ ERGA06DV	EHVX08S23D6VG/ ERGA06DV	EHVX08S18D6VG/ ERGA08DV	EHVX08S23D6VG/ ERGA08DV		
<b>2-1 Capacity and Power input</b>												
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			
			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		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		3.0		3.3			
			PERd	%	176		180		186			
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0							
			COPd		6.10		6.10		6.22			
			Pdh	kW	3.3		3.3		4.1			
			PERd	%	244		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 supplementary capacity	Psup (at Tdesign -10°C)		kW		2.0		1.6		0.9		
		Tbiv (bivalent temperature)	COPd		1.97		2.12		1.90			
			Pdh	kW	5.3		6.1		7.5			
			PERd	%	79		85		76			
			Tbiv	°C	-7		-6		-8			
	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				
Annual energy consumption			kWh	1,616		1,813		2,168				
Warm climate water outlet 55°C	General	ηs (Seasonal space heating efficiency)	%	152		162		165				
		Prated at 2°C	kW	4.7		5.6		6.8				

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVX04S18D6VG/ ERGA04DV	EHVX04S23D6VG/ ERGA04DV	EHVX08S18D6VG/ ERGA06DV	EHVX08S23D6VG/ ERGA06DV	EHVX08S18D6VG/ ERGA08DV	EHVX08S23D6VG/ ERGA08DV		
2-1 Capacity and Power input											
Space heating	Average climate water outlet 35°C	General	SCOP		4.54		4.52		4.61		
			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		
			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		3.3		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0						
	COPd		7.78		8.52		8.52				
	Pdh		kW	3.3		3.9		3.9			
	Tol (temperature operating limit)	COPd		2.56		2.49		2.41			
		Pdh	kW	5.2		6.0		6.9			
		PERd	%	102		100		96			
		TOL	°C	-10							
		WTOL	°C	35							
	Tbiv (bivalent temperature)	COPd		2.90		3.07		2.66			
		Pdh	kW	5.5		6.1		7.5			
		PERd	%	116		123		106			
		Tbiv	°C	-7		-6		-8			
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8		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			
		Qhe Annual energy consumption (GCV)	Gj	-							
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			

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVX04S18D6VG/ ERGA04DV	EHVX04S23D6VG/ ERGA04DV	EHVX08S18D6VG/ ERGA06DV	EHVX08S23D6VG/ ERGA06DV	EHVX08S18D6VG/ ERGA08DV	EHVX08S23D6VG/ ERGA08DV
<b>2-1 Capacity and Power input</b>									
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					
	Integrated supplementary heater	Psup	kW	6.0					
		Type of energy input		Electrical					
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours		No					
	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
		Qfuel (Daily fuel consumption)	kWh	3.870	5.900	3.870	5.900	3.870	5.900
		Water heating energy efficiency class		A					
	Cold climate	AEC (Annual electricity consumption)	kWh	951	1,475	951	1,475	951	1,475
		ηwh (water heating efficiency)	%	107	114	107	114	107	114
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	4.480	6.860	4.480	6.860
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046	680	1,046	680	1,046
ηwh (water heating efficiency)		%	151	161	151	161	151	161	
Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880	3.220	4.880	
Heating capacity	Nom.	kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Cooling capacity	Nom.	kW	4.86 (1) / 4.31 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)		
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.	kW	0.940 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01	2.48	3.01	2.48	3.01
COP			5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
EER			5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)		
Pump	Nominal ESP unit	Cooling	kPa	54.6 (1) / 59.4 (2)		52.6 (1) / 57.5 (2)		51.1 (1) / 55.5 (2)	
		Heating	kPa	59.6 (1) / 58.6 (2)		52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom. l/min	15.9 (1) / 12.5 (2)		17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)	
		Heating	Nom. l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		No					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
Water-to-water heat pump		No							
LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	42						
LW(A) Sound power level (according to EN14825)	Outdoor	dB(A)	58		60		62		
Sound condition Ecodesign and energy label			Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825						
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVX08S18D9W/ ERGA06DV	EHVX08S23D9W/ ERGA06DV	EHVX08S18D9W/ ERGA08DV	EHVX08S23D9W/ ERGA08DV		
2-1 Capacity and Power input										
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			
			SCOP		3.28		3.35			
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd				1.98		1.96	
			Pdh	kW			5.9		6.9	
			PERd	%			79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd				3.16		3.20	
			Pdh	kW			3.9		4.4	
			PERd	%			126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd				4.49		4.64	
	Pdh		kW			3.0		3.3		
	PERd		%			180		186		
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0						
		COPd				6.10		6.22		
		Pdh	kW			3.3		4.1		
		PERd	%			244		249		
	Tol (temperature operating limit)	COPd				1.53		1.64		
		Pdh	kW			5.4		7.1		
		PERd	%			61		66		
		TOL	°C			-10				
		WTOL	°C			55				
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)				1.6		0.9		
		Tbiv (bivalent temperature)				2.12		1.90		
		Pdh	kW			6.1		7.5		
		PERd	%			85		76		
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				

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVX08S18D9W/ ERGA06DV	EHVX08S23D9W/ ERGA06DV	EHVX08S18D9W/ ERGA08DV	EHVX08S23D9W/ ERGA08DV	
<b>2-1 Capacity and Power input</b>								
Space heating	Average climate water outlet 35°C	General	SCOP		4.52		4.61	
			Annual energy consumption	kWh	3,196		3,588	
			ηs (Seasonal space heating efficiency)	%	178		181	
			Prated at -10°C	kW	7.0		8.0	
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77	
			Pdh	kW	6.0		7.0	
			PERd	%	114		111	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.25		4.35	
			Pdh	kW	3.9		4.2	
			PERd	%	170		174	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.30		6.49	
			Pdh	kW	3.2		3.3	
	PERd		%	252		260		
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0				
		COPd		7.78		8.52		
		Pdh	kW	3.3		3.9		
		PERd	%	311		341		
	Tol (temperature operating limit)	COPd		2.49		2.41		
		Pdh	kW	6.0		6.9		
		PERd	%	100		96		
		TOL	°C	-10				
		WTOL	°C	35				
	Tbiv (bivalent temperature)	COPd		3.07		2.66		
		Pdh	kW	6.1		7.5		
PERd		%	123		106			
Tbiv		°C	-6		-8			
Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0		1.1			
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727		5,012		
		ηs (Seasonal space heating efficiency)	%	156		154		
		Prated at -22°C	kW	6.0		8.0		
		Qhe Annual energy consumption (GCV)	Gj	-				
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		



## 2 Specifications

CONNECTABLE INDOOR UNITS					EHVX08S18D9W/ ERGA06DV	EHVX08S23D9W/ ERGA06DV	EHVX08S18D9W/ ERGA08DV	EHVX08S23D9W/ ERGA08DV
<b>2-1 Capacity and Power input</b>								
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	General	Declared load profile		L	XL	L	XL	
		Function to fix water heating during off peak hours		No				
	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267	
		ηwh (water heating efficiency)	%	125	133	125	133	
		Qfuel (Daily fuel consumption)	kWh	3.870	5.900	3.870	5.900	
		Water heating energy efficiency class		A				
	Cold climate	AEC (Annual electricity consumption)	kWh	951	1,475	951	1,475	
		ηwh (water heating efficiency)	%	107	114	107	114	
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	4.480	6.860	
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046	680	1,046	
ηwh (water heating efficiency)		%	151	161	151	161		
Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880		
Heating capacity	Nom.		kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Cooling capacity	Nom.		kW	5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)		
Power input	Heating	Nom.	kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
	Cooling	Nom.	kW	1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)		
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01	2.48	3.01	
COP				4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
EER				5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)		
Pump	Nominal ESP unit	Cooling	kPa	52.6 (1) / 57.5 (2)		51.1 (1) / 55.5 (2)		
		Heating	kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)		
Water side Heat exchanger	Water flow rate	Cooling	Nom. l/min	17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)		
		Heating	Nom. l/min	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)		
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium				
		Name or trademark		Daikin Europe N.V.				
	Product description	Air-to-water heat pump		Yes				
		Brine-to-water heat pump		No				
		Heat pump combination heater		No				
		Low-temperature heat pump		No				
		Supplementary heater integrated		Yes				
Water-to-water heat pump		No						
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42				
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825				
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVX08S18D9WG/ ERGA06DV	EHVX08S23D9WG/ ERGA06DV	EHVX08S18D9WG/ ERGA08DV	EHVX08S23D9WG/ ERGA08DV		
2-1 Capacity and Power input										
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			
			SCOP		3.28		3.35			
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd				1.98		1.96	
			Pdh	kW			5.9		6.9	
			PERd	%			79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd				3.16		3.20	
			Pdh	kW			3.9		4.4	
			PERd	%			126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd				4.49		4.64	
			Pdh	kW			3.0		3.3	
			PERd	%			180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0					
			COPd				6.10		6.22	
			Pdh	kW			3.3		4.1	
			PERd	%			244		249	
		Tol (temperature operating limit)	COPd				1.53		1.64	
			Pdh	kW			5.4		7.1	
			PERd	%			61		66	
			TOL	°C			-10			
			WTOL	°C			55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)		kW		1.6		0.9	
			Tbiv (bivalent temperature)		COPd		2.12		1.90	
			Pdh	kW			6.1		7.5	
			PERd	%			85		76	
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				

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVX08S18D9WG/ ERGA06DV	EHVX08S23D9WG/ ERGA06DV	EHVX08S18D9WG/ ERGA08DV	EHVX08S23D9WG/ ERGA08DV		
<b>2-1 Capacity and Power input</b>									
Space heating	Average climate water outlet 35°C	General	SCOP		4.52		4.61		
			Annual energy consumption	kWh	3,196		3,588		
			ηs (Seasonal space heating efficiency)	%	178		181		
			Prated at -10°C	kW	7.0		8.0		
			Seasonal space heating eff. class		A++				
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77		
			Pdh	kW	6.0		7.0		
			PERd	%	114		111		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				
			COPd		4.25		4.35		
			Pdh	kW	3.9		4.2		
			PERd	%	170		174		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0				
			COPd		6.30		6.49		
			Pdh	kW	3.2		3.3		
	PERd		%	252		260			
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0					
		COPd		7.78		8.52			
		Pdh	kW	3.3		3.9			
		PERd	%	311		341			
	Tol (temperature operating limit)	COPd		2.49		2.41			
		Pdh	kW	6.0		6.9			
		PERd	%	100		96			
		TOL	°C	-10					
		WTOL	°C	35					
	Tbiv (bivalent temperature)	COPd		3.07		2.66			
		Pdh	kW	6.1		7.5			
PERd		%	123		106				
Tbiv		°C	-6		-8				
Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0		1.1				
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,727		5,012			
		ηs (Seasonal space heating efficiency)	%	156		154			
		Prated at -22°C	kW	6.0		8.0			
		Qhe Annual energy consumption (GCV)	Gj	-					
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			

## 2 Specifications

CONNECTABLE INDOOR UNITS					EHVX08S18D9WG/ ERGA06DV	EHVX08S23D9WG/ ERGA06DV	EHVX08S18D9WG/ ERGA08DV	EHVX08S23D9WG/ ERGA08DV
<b>2-1 Capacity and Power input</b>								
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	General	Declared load profile		L	XL	L	XL	
		Function to fix water heating during off peak hours		No				
	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267	
		ηwh (water heating efficiency)	%	125	133	125	133	
		Qfuel (Daily fuel consumption)	kWh	3.870	5.900	3.870	5.900	
		Water heating energy efficiency class		A				
	Cold climate	AEC (Annual electricity consumption)	kWh	951	1,475	951	1,475	
		ηwh (water heating efficiency)	%	107	114	107	114	
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	4.480	6.860	
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046	680	1,046	
ηwh (water heating efficiency)		%	151	161	151	161		
Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880		
Heating capacity	Nom.		kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Cooling capacity	Nom.		kW	5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)		
Power input	Heating	Nom.	kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
	Cooling	Nom.	kW	1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)		
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01	2.48	3.01	
COP				4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
EER				5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)		
Pump	Nominal ESP unit	Cooling	kPa	52.6 (1) / 57.5 (2)		51.1 (1) / 55.5 (2)		
		Heating	kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)		
Water side Heat exchanger	Water flow rate	Cooling	Nom. l/min	17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)		
		Heating	Nom. l/min	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)		
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium				
		Name or trademark		Daikin Europe N.V.				
	Product description	Air-to-water heat pump		Yes				
		Brine-to-water heat pump		No				
		Heat pump combination heater		No				
		Low-temperature heat pump		No				
		Supplementary heater integrated		Yes				
Water-to-water heat pump		No						
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42				
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825				
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVZ04S18D6 V/ERGA04DV	EHVZ08S18D6 V/ERGA06DV	EHVZ08S23D6 V/ERGA06DV	EHVZ08S18D6 V/ERGA08DV	EHVZ08S23D6 V/ERGA08DV	
2-1 Capacity and Power input										
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806	4,441		4,975		
			ηs (Seasonal space heating efficiency)	%	127		130			
			Prated at -10°C	kW	6.0	7.0		8.0		
			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 supplementary capacity	Psup (at Tdesign -10°C)	kW	2.0	1.6		0.9		
			Tbiv (bivalent temperature)	COPd		1.97	2.12		1.90	
				Pdh	kW	5.3	6.1		7.5	
				PERd	%	79	85		76	
	Tbiv	°C	-7	-6		-8				
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	5.0	6.0		8.0			
Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,660	1,858		2,213			
		ηs (Seasonal space heating efficiency)	%	148	158		161			
		Prated at 2°C	kW	4.7	5.6		6.8			

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVZ04S18D6 V/ERGA04DV	EHVZ08S18D6 V/ERGA06DV	EHVZ08S23D6 V/ERGA06DV	EHVZ08S18D6 V/ERGA08DV	EHVZ08S23D6 V/ERGA08DV
<b>2-1 Capacity and Power input</b>								
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56
			Annual energy consumption	kWh	2,766	3,233		3,625
			ηs (Seasonal space heating efficiency)	%	176		179	
			Prated at -10°C	kW	6.0	7.0		8.0
			Seasonal space heating eff. class		A++			
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86		2.77
			Pdh	kW	5.5	6.0		7.0
			PERd	%	116	114		111
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0			
			COPd		4.33	4.25		4.35
			Pdh	kW	3.3	3.9		4.2
			PERd	%	173	170		174
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0			
			COPd		6.19	6.30		6.49
			Pdh	kW	3.2		3.3	
	PERd		%	248	252		260	
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0				
		COPd		7.78		8.52		
		Pdh	kW	3.3		3.9		
		PERd	%	311		341		
	Tol (temperature operating limit)	COPd		2.56	2.49		2.41	
		Pdh	kW	5.2	6.0		6.9	
		PERd	%	102	100		96	
		TOL	°C	-10				
		WTOL	°C	35				
	Tbiv (bivalent temperature)	COPd		2.90	3.07		2.66	
		Pdh	kW	5.5	6.1		7.5	
		PERd	%	116	123		106	
		Tbiv	°C	-7	-6		-8	
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	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	
		Qhe Annual energy consumption (GCV)	Gj	-				
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276		1,437	
		ηs (Seasonal space heating efficiency)	%	241	248		257	
		Prated at 2°C	kW	5.2	6.0		7.0	

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVZ04S18D6 V/ERGA04DV	EHVZ08S18D6 V/ERGA06DV	EHVZ08S23D6 V/ERGA06DV	EHVZ08S18D6 V/ERGA08DV	EHVZ08S23D6 V/ERGA08DV	
<b>2-1 Capacity and Power input</b>									
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				
	Integrated supplementary heater	Psup	kW		6.0				
Type of energy input			Electrical						
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	
		Function to fix water heating during off peak hours			No				
	Average climate	AEC (Annual electricity consumption)	kWh		820	1,267	820	1,267	
		ηwh (water heating efficiency)	%		125	133	125	133	
		Qfuel (Daily fuel consumption)	kWh		3.870	5.900	3.870	5.900	
		Water heating energy efficiency class			A				
	Cold climate	AEC (Annual electricity consumption)	kWh		951	1,475	951	1,475	
		ηwh (water heating efficiency)	%		107	114	107	114	
		Qelec (Daily electricity consumption)	kWh		4.480	6.860	4.480	6.860	
	Warm climate	AEC (Annual electricity consumption)	kWh		680	1,046	680	1,046	
ηwh (water heating efficiency)		%		151	161	151	161		
Qelec (Daily electricity consumption)		kWh		3.220	4.880	3.220	4.880		
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48		3.01	2.48	3.01	
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Pump	Nominal ESP unit	Heating	kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)		
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump			Yes				
		Brine-to-water heat pump			No				
		Heat pump combination heater			No				
		Low-temperature heat pump			No				
		Supplementary heater integrated			Yes				
Water-to-water heat pump			No						
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42					
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	58	60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min		

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVZ04S18D6 VG/ERGA04DV	EHVZ08S18D6 VG/ERGA06DV	EHVZ08S23D6 VG/ERGA06DV	EHVZ08S18D6 VG/ERGA08DV	EHVZ08S23D6 VG/ERGA08DV		
2-1 Capacity and Power input											
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806	4,441		4,975			
			$\eta_s$ (Seasonal space heating efficiency)	%	127		130				
			Prated at -10°C	kW	6.0	7.0		8.0			
			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 supplementary capacity	Psup (at Tdesign -10°C)		kW	2.0	1.6		0.9		
			Tbiv (bivalent temperature)		COPd		1.97	2.12		1.90	
			Pdh	kW	5.3	6.1		7.5			
			PERd	%	79	85		76			
Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,468	5,300		6,886				
		$\eta_s$ (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				
		$\eta_s$ (Seasonal space heating efficiency)	%	148	158		161				
		Prated at 2°C	kW	4.7	5.6		6.8				



## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVZ04S18D6 VG/ERGA04DV	EHVZ08S18D6 VG/ERGA06DV	EHVZ08S23D6 VG/ERGA06DV	EHVZ08S18D6 VG/ERGA08DV	EHVZ08S23D6 VG/ERGA08DV		
<b>2-1 Capacity and Power input</b>										
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56		
			Annual energy consumption	kWh	2,766	3,233		3,625		
			ηs (Seasonal space heating efficiency)	%	176		179			
			Prated at -10°C	kW	6.0	7.0		8.0		
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86		2.77		
			Pdh	kW	5.5	6.0		7.0		
			PERd	%	116	114		111		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.33	4.25		4.35		
			Pdh	kW	3.3	3.9		4.2		
			PERd	%	173	170		174		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		6.19	6.30		6.49		
			Pdh	kW	3.2		3.3			
	PERd		%	248	252		260			
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0						
		COPd		7.78		8.52				
		Pdh	kW	3.3		3.9				
		PERd	%	311		341				
	Tol (temperature operating limit)	COPd		2.56	2.49		2.41			
		Pdh	kW	5.2	6.0		6.9			
		PERd	%	102	100		96			
		TOL	°C	-10						
		WTOL	°C	35						
	Tbiv (bivalent temperature)	COPd		2.90	3.07		2.66			
		Pdh	kW	5.5	6.1		7.5			
PERd		%	116	123		106				
Tbiv		°C	-7	-6		-8				
Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8	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			
		Qhe Annual energy consumption (GCV)	Gj	-						
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276		1,437			
		ηs (Seasonal space heating efficiency)	%	241	248		257			
		Prated at 2°C	kW	5.2	6.0		7.0			

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVZ04S18D6 VG/ERGA04DV	EHVZ08S18D6 VG/ERGA06DV	EHVZ08S23D6 VG/ERGA06DV	EHVZ08S18D6 VG/ERGA08DV	EHVZ08S23D6 VG/ERGA08DV	
<b>2-1 Capacity and Power input</b>									
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				
	Integrated supplementary heater	Psup	kW		6.0				
		Type of energy input			Electrical				
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	
		Function to fix water heating during off peak hours			No				
	Average climate	AEC (Annual electricity consumption)	kWh		820	1,267	820	1,267	
		ηwh (water heating efficiency)	%		125	133	125	133	
		Qfuel (Daily fuel consumption)	kWh		3.870	5.900	3.870	5.900	
		Water heating energy efficiency class			A				
	Cold climate	AEC (Annual electricity consumption)	kWh		951	1,475	951	1,475	
		ηwh (water heating efficiency)	%		107	114	107	114	
		Qelec (Daily electricity consumption)	kWh		4.480	6.860	4.480	6.860	
	Warm climate	AEC (Annual electricity consumption)	kWh		680	1,046	680	1,046	
ηwh (water heating efficiency)		%		151	161	151	161		
Qelec (Daily electricity consumption)		kWh		3.220	4.880	3.220	4.880		
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48		3.01	2.48	3.01	
COP				5.10 (1) / 3.65 (2)	4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Pump	Nominal ESP unit	Heating	kPa	59.6 (1) / 58.6 (2)	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)		
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	12.3 (1) / 13.2 (2)	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump			Yes				
		Brine-to-water heat pump			No				
		Heat pump combination heater			No				
		Low-temperature heat pump			No				
		Supplementary heater integrated			Yes				
Water-to-water heat pump			No						
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42					
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	58	60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min		

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVZ08S18D9W/ ERGA06DV	EHVZ08S23D9W/ ERGA06DV	EHVZ08S18D9W/ ERGA08DV	EHVZ08S23D9W/ ERGA08DV		
2-1 Capacity and Power input										
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			
			SCOP		3.26		3.32			
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd				1.98		1.96	
			Pdh	kW			5.9		6.9	
			PERd	%			79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd				3.16		3.20	
			Pdh	kW			3.9		4.4	
			PERd	%			126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd				4.49		4.64	
			Pdh	kW			3.0		3.3	
			PERd	%			180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0					
			COPd				6.10		6.22	
			Pdh	kW			3.3		4.1	
			PERd	%			244		249	
		Tol (temperature operating limit)	COPd				1.53		1.64	
			Pdh	kW			5.4		7.1	
			PERd	%			61		66	
			TOL	°C			-10			
			WTOL	°C			55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)		kW		1.6		0.9	
Tbiv (bivalent temperature)			COPd		2.12		1.90			
Pdh	kW				6.1		7.5			
PERd	%				85		76			
Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300		6,886				
		ηs (Seasonal space heating efficiency)	%	109		112				
		Prated at -22°C	kW	6.0		8.0				
Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		2,213				
		ηs (Seasonal space heating efficiency)	%	158		161				
		Prated at 2°C	kW	5.6		6.8				

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHVZ08S18D9W/ ERGA06DV	EHVZ08S23D9W/ ERGA06DV	EHVZ08S18D9W/ ERGA08DV	EHVZ08S23D9W/ ERGA08DV		
<b>2-1 Capacity and Power input</b>									
Space heating	Average climate water outlet 35°C	General	SCOP		4.47		4.56		
			Annual energy consumption	kWh	3,233		3,625		
			ηs (Seasonal space heating efficiency)	%	176		179		
			Prated at -10°C	kW	7.0		8.0		
			Seasonal space heating eff. class		A++				
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77		
			Pdh	kW	6.0		7.0		
			PERd	%	114		111		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				
			COPd		4.25		4.35		
			Pdh	kW	3.9		4.2		
			PERd	%	170		174		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0				
			COPd		6.30		6.49		
			Pdh	kW	3.2		3.3		
	PERd		%	252		260			
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0					
		COPd		7.78		8.52			
		Pdh	kW	3.3		3.9			
		PERd	%	311		341			
	Tol (temperature operating limit)	COPd		2.49		2.41			
		Pdh	kW	6.0		6.9			
		PERd	%	100		96			
		TOL	°C	-10					
		WTOL	°C	35					
	Tbiv (bivalent temperature)	COPd		3.07		2.66			
		Pdh	kW	6.1		7.5			
		PERd	%	123		106			
		Tbiv	°C	-6		-8			
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	1.0		1.1			
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,034			
		ηs (Seasonal space heating efficiency)	%	155		154			
		Prated at -22°C	kW	6.0		8.0			
		Qhe Annual energy consumption (GCV)	Gj	-					
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,276		1,437			
		ηs (Seasonal space heating efficiency)	%	248		257			
		Prated at 2°C	kW	6.0		7.0			

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVZ08S18D9W/ ERGA06DV	EHVZ08S23D9W/ ERGA06DV	EHVZ08S18D9W/ ERGA08DV	EHVZ08S23D9W/ ERGA08DV	
<b>2-1 Capacity and Power input</b>								
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	General	Declared load profile		L	XL	L	XL	
		Function to fix water heating during off peak hours		No				
	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267	
		ηwh (water heating efficiency)	%	125	133	125	133	
		Qfuel (Daily fuel consumption)	kWh	3.870	5.900	3.870	5.900	
		Water heating energy efficiency class		A				
	Cold climate	AEC (Annual electricity consumption)	kWh	951	1,475	951	1,475	
		ηwh (water heating efficiency)	%	107	114	107	114	
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	4.480	6.860	
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046	680	1,046	
ηwh (water heating efficiency)		%	151	161	151	161		
Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880		
Heating capacity	Nom.		kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01	2.48	3.01	
COP				4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Pump	Nominal ESP unit	Heating	kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)		
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium				
		Name or trademark		Daikin Europe N.V.				
	Product description	Air-to-water heat pump		Yes				
		Brine-to-water heat pump		No				
		Heat pump combination heater		No				
		Low-temperature heat pump		No				
		Supplementary heater integrated		Yes				
Water-to-water heat pump		No						
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42				
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825				
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS					EHVZ08S18D9WG/ ERGA06DV	EHVZ08S23D9WG/ ERGA06DV	EHVZ08S18D9WG/ ERGA08DV	EHVZ08S23D9WG/ ERGA08DV		
2-1 Capacity and Power input										
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			
			SCOP		3.26		3.32			
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd				1.98		1.96	
			Pdh	kW			5.9		6.9	
			PERd	%			79		78	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd				3.16		3.20	
			Pdh	kW			3.9		4.4	
			PERd	%			126		128	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd				4.49		4.64	
			Pdh	kW			3.0		3.3	
			PERd	%			180		186	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0					
			COPd				6.10		6.22	
			Pdh	kW			3.3		4.1	
	PERd		%			244		249		
	Tol (temperature operating limit)	COPd				1.53		1.64		
		Pdh	kW			5.4		7.1		
		PERd	%			61		66		
		TOL	°C			-10				
		WTOL	°C			55				
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)		kW		1.6		0.9		
		Tbiv (bivalent temperature)		COPd		2.12		1.90		
		Pdh	kW			6.1		7.5		
		PERd	%			85		76		
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,300		6,886			
			ηs (Seasonal space heating efficiency)	%	109		112			
Prated at -22°C			kW	6.0		8.0				
Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,858		2,213				
		ηs (Seasonal space heating efficiency)	%	158		161				
		Prated at 2°C	kW	5.6		6.8				

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVZ08S18D9WG/ ERGA06DV	EHVZ08S23D9WG/ ERGA06DV	EHVZ08S18D9WG/ ERGA08DV	EHVZ08S23D9WG/ ERGA08DV		
<b>2-1 Capacity and Power input</b>									
Space heating	Average climate water outlet 35°C	General	SCOP		4.47		4.56		
			Annual energy consumption	kWh	3,233		3,625		
			ηs (Seasonal space heating efficiency)	%	176		179		
			Prated at -10°C	kW	7.0		8.0		
			Seasonal space heating eff. class		A++				
		A Condition (-7°CDB/-8°CWB)	COPd		2.86		2.77		
			Pdh	kW	6.0		7.0		
			PERd	%	114		111		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				
			COPd		4.25		4.35		
			Pdh	kW	3.9		4.2		
			PERd	%	170		174		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0				
			COPd		6.30		6.49		
	Pdh		kW	3.2		3.3			
	PERd		%	252		260			
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0					
		COPd		7.78		8.52			
		Pdh	kW	3.3		3.9			
		PERd	%	311		341			
	Tol (temperature operating limit)	COPd		2.49		2.41			
		Pdh	kW	6.0		6.9			
		PERd	%	100		96			
		TOL	°C	-10					
		WTOL	°C	35					
	Tbiv (bivalent temperature)	COPd		3.07		2.66			
		Pdh	kW	6.1		7.5			
PERd		%	123		106				
Tbiv		°C	-6		-8				
Rated heat output supplementary capacity	Psup (at Tdesign -10°C)		kW		1.0		1.1		
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,749		5,034			
		ηs (Seasonal space heating efficiency)	%	155		154			
		Prated at -22°C	kW	6.0		8.0			
		Qhe Annual energy consumption (GCV)	Gj	-					
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,276		1,437			
		ηs (Seasonal space heating efficiency)	%	248		257			
		Prated at 2°C	kW	6.0		7.0			

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHVZ08S18D9WG/ ERGA06DV	EHVZ08S23D9WG/ ERGA06DV	EHVZ08S18D9WG/ ERGA08DV	EHVZ08S23D9WG/ ERGA08DV	
<b>2-1 Capacity and Power input</b>								
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	General	Declared load profile		L	XL	L	XL	
		Function to fix water heating during off peak hours		No				
	Average climate	AEC (Annual electricity consumption)	kWh	820	1,267	820	1,267	
		ηwh (water heating efficiency)	%	125	133	125	133	
		Qfuel (Daily fuel consumption)	kWh	3.870	5.900	3.870	5.900	
		Water heating energy efficiency class		A				
	Cold climate	AEC (Annual electricity consumption)	kWh	951	1,475	951	1,475	
		ηwh (water heating efficiency)	%	107	114	107	114	
		Qelec (Daily electricity consumption)	kWh	4.480	6.860	4.480	6.860	
	Warm climate	AEC (Annual electricity consumption)	kWh	680	1,046	680	1,046	
ηwh (water heating efficiency)		%	151	161	151	161		
Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880		
Heating capacity	Nom.		kW	6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW	1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.48	3.01	2.48	3.01	
COP				4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Pump	Nominal ESP unit	Heating	kPa	52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)		
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)	
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium				
		Name or trademark		Daikin Europe N.V.				
	Product description	Air-to-water heat pump		Yes				
		Brine-to-water heat pump		No				
		Heat pump combination heater		No				
		Low-temperature heat pump		No				
		Supplementary heater integrated		Yes				
Water-to-water heat pump		No						
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	42				
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825				
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	

### Notes

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

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



## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHSX04P30D/ ERGA04DV	EHSX04P50D/ ERGA04DV	EHSX08P30D/ ERGA06DV	EHSX08P50D/ ERGA06DV	EHSX08P30D/ ERGA08DV	EHSX08P50D/ ERGA08DV	
<b>2-1 Capacity and Power input</b>										
Indoor unit				EHSX04P30D	EHSX04P50D	EHSX08P30D	EHSX08P50D	EHSX08P30D	EHSX08P50D	
Outdoor unit				ERGA04DAV3		ERGA06DAV3		ERGA08DAV3		
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32		
			Annual energy consumption	kWh	3,806		4,441		4,975	
			ηs (Seasonal space heating efficiency)	%	127			130		
			Prated at -10°C	kW	6.0		7.0		8.0	
			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			
	PERd		244.0			249.0				
	Tol (temperature operating limit)	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			
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		

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHSX04P30D/ ERGA04DV	EHSX04P50D/ ERGA04DV	EHSX08P30D/ ERGA06DV	EHSX08P50D/ ERGA06DV	EHSX08P30D/ ERGA08DV	EHSX08P50D/ ERGA08DV		
<b>2-1 Capacity and Power input</b>											
Space heating	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56		
			Annual energy consumption	kWh	2,766		3,233		3,625		
			ηs (Seasonal space heating efficiency)	%	176				179		
			Prated at -10°C	kW	6.0		7.0		8.0		
			Seasonal space heating eff. class		A++						
		A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77		
			Pdh	kW	5.5		6.0		7.0		
			PERd	%	116.0		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		
		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		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 supplementary capacity	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			
		Qhe Annual energy consumption (GCV)	Gj			-					
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139		1,276		1,437			
		ηs (Seasonal space heating efficiency)	%	241		248		257			
		Prated at 2°C	kW	5		6		7			

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHSX04P30D/ ERGA04DV	EHSX04P50D/ ERGA04DV	EHSX08P30D/ ERGA06DV	EHSX08P50D/ ERGA06DV	EHSX08P30D/ ERGA08DV	EHSX08P50D/ ERGA08DV
<b>2-1 Capacity and Power input</b>									
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					
Integrated supplementary heater	Type of energy input		Electrical						
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours		Yes					
	Average climate	AEC (Annual electricity consumption)	kWh	951	1,584	951	1,584	951	1,584
		ηwh (water heating efficiency)	%	108	106	108	106	108	106
		Qelec (Daily electricity consumption)	kWh	4.500	7.426	4.500	7.426	4.500	7.426
	Water heating energy efficiency class		A						
	Cold climate	AEC (Annual electricity consumption)	kWh	1,366	2,260	1,366	2,260	1,366	2,260
		ηwh (water heating efficiency)	%	75					
		Qelec (Daily electricity consumption)	kWh	6.454	10.520	6.454	10.520	6.454	10.520
	Warm climate	AEC (Annual electricity consumption)	kWh	940	1,436	940	1,436	940	1,436
ηwh (water heating efficiency)		%	109	117	109	117	109	117	
Qelec (Daily electricity consumption)		kWh	4.513	6.766	4.513	6.766	4.513	6.766	
Heating capacity	Nom.	kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Cooling capacity	Nom.	kW	5.56 (1) / 4.37 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)		
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.	kW	0.940 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP			5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
EER			5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)		
Pump	Type	Grundfos UPM3K 25-75 CHBL							
	Nominal ESP unit	Cooling	kPa	60.5 (1) / 65.8 (2)		57.6 (1) / 63.9 (2)		55.5 (1) / 61.7 (2)	
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	Cooling	Nom.	l/min	15.9 (1) / 12.5 (2)		17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)
		Heating	Nom.	l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)
General	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		No					
	Water-to-water heat pump		No						
LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	39						
LW(A) Sound power level (according to EN14825)	Outdoor	dB(A)	58		60		62		
Sound condition Ecodesign and energy label			Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825						
Heat up time from 10°C to 50°C			hr	1h31min	2h57min	1h31min	2h57min	1h31min	2h57min

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHSXB04P30D/ ERGA04DV	EHSXB04P50D/ ERGA04DV	EHSXB08P30D/ ERGA06DV	EHSXB08P50D/ ERGA06DV	EHSXB08P30D/ ERGA08DV	EHSXB08P50D/ ERGA08DV		
<b>2-1 Capacity and Power input</b>				EHSXB04P30D	EHSXB04P50D	EHSXB08P30D	EHSXB08P50D	EHSXB08P30D	EHSXB08P50D		
Indoor unit				ERGA04DAV3	RRGA04DAV3	ERGA06DAV3		ERGA08DAV3			
Outdoor unit				ERGA04DAV3	RRGA04DAV3	ERGA06DAV3		ERGA08DAV3			
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32			
			Annual energy consumption	kWh	3,806		4,441		4,975		
			ηs (Seasonal space heating efficiency)	%	127			130			
			Prated at -10°C	kW	6.0		7.0		8.0		
			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				
	PERd		%	244.0			249.0				
	Tol (temperature operating limit)	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			

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHSXB04P30D/ ERGA04DV	EHSXB04P50D/ ERGA04DV	EHSXB08P30D/ ERGA06DV	EHSXB08P50D/ ERGA06DV	EHSXB08P30D/ ERGA08DV	EHSXB08P50D/ ERGA08DV		
<b>2-1 Capacity and Power input</b>											
Space heating	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56		
			Annual energy consumption	kWh	2,766		3,233		3,625		
			ηs (Seasonal space heating efficiency)	%	176				179		
			Prated at -10°C	kW	6.0		7.0		8.0		
			Seasonal space heating eff. class		A++						
		A Condition (-7°CDB/-8°CWB)	COPd		2.90		2.86		2.77		
			Pdh	kW	5.5		6.0		7.0		
			PERd	%	116.0		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		
		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		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 supplementary capacity	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			
		Qhe Annual energy consumption (GCV)	Gj			-					
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139		1,276		1,437			
		ηs (Seasonal space heating efficiency)	%	241		248		257			
		Prated at 2°C	kW	5		6		7			

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHSXB04P30D/ ERGA04DV	EHSXB04P50D/ ERGA04DV	EHSXB08P30D/ ERGA06DV	EHSXB08P50D/ ERGA06DV	EHSXB08P30D/ ERGA08DV	EHSXB08P50D/ ERGA08DV
<b>2-1 Capacity and Power input</b>									
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					
Integrated supplementary heater	Type of energy input		Electrical						
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours		Yes					
	Average climate	AEC (Annual electricity consumption)	kWh	951	1,541	951	1,541	951	1,541
		ηwh (water heating efficiency)	%	108	109	108	109	108	109
		Qelec (Daily electricity consumption)	kWh	4.500	7.251	4.500	7.251	4.500	7.251
	Water heating energy efficiency class		A						
	Cold climate	AEC (Annual electricity consumption)	kWh	1,366	1,852	1,366	1,852	1,366	1,852
		ηwh (water heating efficiency)	%	75	90	75	90	75	90
		Qelec (Daily electricity consumption)	kWh	6.454	8.665	6.454	8.665	6.454	8.665
	Warm climate	AEC (Annual electricity consumption)	kWh	940	1,343	940	1,343	940	1,343
ηwh (water heating efficiency)		%	109	125	109	125	109	125	
Qelec (Daily electricity consumption)		kWh	4.513	6.346	4.513	6.346	4.513	6.346	
Heating capacity	Nom.	kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Cooling capacity	Nom.	kW	5.56 (1) / 4.37 (2)		5.96 (1) / 4.87 (2)		6.25 (1) / 5.35 (2)		
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)	
	Cooling	Nom.	kW	0.940 (1) / 1.14 (2)		1.06 (1) / 1.33 (2)		1.16 (1) / 1.51 (2)	
COP			5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
EER			5.94 (1) / 3.84 (2)		5.61 (1) / 3.67 (2)		5.40 (1) / 3.54 (2)		
Pump	Type	Grundfos UPM3K 25-75 CHBL							
	Nominal ESP unit	Cooling	kPa	60.5 (1) / 65.8 (2)		57.6 (1) / 63.9 (2)		55.5 (1) / 61.7 (2)	
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	Cooling	Nom.	l/min	15.9 (1) / 12.5 (2)		17.1 (1) / 14.0 (2)		17.9 (1) / 15.3 (2)
		Heating	Nom.	l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)
General	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		No					
	Water-to-water heat pump		No						
LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	39						
	Outdoor	dB(A)	58		60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	1h31min	2h38min	1h31min	2h38min	1h31min	2h38min

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHS04P30D/ ERGA04DV	EHS08P30D/ ERGA06DV	EHS08P50D/ ERGA06DV	EHS08P30D/ ERGA08DV	EHS08P50D/ ERGA08DV		
<b>2-1 Capacity and Power input</b>										
Indoor unit				EHS04P30D	EHS08P30D	EHS08P50D	EHS08P30D	EHS08P50D		
Outdoor unit				ERGA04DAV3	ERGA06DAV3		ERGA08DAV3			
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32		
			Annual energy consumption	kWh	3,806	4,441		4,975		
			ηs (Seasonal space heating efficiency)	%	127			130		
			Prated at -10°C	kW	6.0	7.0		8.0		
			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			
	PERd		%	244.0			249.0			
	Tol (temperature operating limit)	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			

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHS04P30D/ ERGA04DV	EHS08P30D/ ERGA06DV	EHS08P50D/ ERGA06DV	EHS08P30D/ ERGA08DV	EHS08P50D/ ERGA08DV				
2-1 Capacity and Power input												
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56				
			Annual energy consumption	kWh	2,766	3,233		3,625				
			ηs (Seasonal space heating efficiency)	%	176		179					
			Prated at -10°C	kW	6.0	7.0		8.0				
			Seasonal space heating eff. class		A++							
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86		2.77				
			Pdh	kW	5.5	6.0		7.0				
			PERd	%	116.0	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								
	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 supplementary capacity	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					
		Qhe Annual energy consumption (GCV)	Gj	-								
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276		1,437					
		ηs (Seasonal space heating efficiency)	%	241	248		257					
		Prated at 2°C	kW	5	6		7					



## 2 Specifications

CONNECTABLE INDOOR UNITS				EHS04P30D/ ERGA04DV	EHS08P30D/ ERGA06DV	EHS08P50D/ ERGA06DV	EHS08P30D/ ERGA08DV	EHS08P50D/ ERGA08DV		
<b>2-1 Capacity and Power input</b>										
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						
Integrated supplementary heater	Type of energy input		Electrical							
Domestic hot water heating	General	Declared load profile		L		XL		L XL		
		Function to fix water heating during off peak hours		Yes						
	Average climate	AEC (Annual electricity consumption)	kWh	951		1,584		951 1,584		
		ηwh (water heating efficiency)	%	108		106		108 106		
		Qelec (Daily electricity consumption)	kWh	4.500		7.426		4.500 7.426		
		Water heating energy efficiency class		A						
	Cold climate	AEC (Annual electricity consumption)	kWh	1,366		2,260		1,366 2,260		
		ηwh (water heating efficiency)	%	75						
		Qelec (Daily electricity consumption)	kWh	6.454		10.520		6.454 10.520		
	Warm climate	AEC (Annual electricity consumption)	kWh	940		1,436		940 1,436		
ηwh (water heating efficiency)		%	109		117		109 117			
Qelec (Daily electricity consumption)		kWh	4.513		6.766		4.513 6.766			
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	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	Product description	Air-to-water heat pump		Yes						
		Brine-to-water heat pump		No						
		Heat pump combination heater		Yes						
		Low-temperature heat pump		No						
		Supplementary heater integrated		No						
		Water-to-water heat pump		No						
LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	39						
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	58		60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825						
Heat up time from 10°C to 50°C				hr	1h31min		2h57min		1h31min 2h57min	

### Notes

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

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

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHSB04P30D/ ERGA04DV	EHSB08P30D/ ERGA06DV	EHSB08P50D/ ERGA06DV	EHSB08P30D/ ERGA08DV	EHSB08P50D/ ERGA08DV		
<b>2-1 Capacity and Power input</b>										
Indoor unit				EHSB04P30D	EHSB08P30D	EHSB08P50D	EHSB08P30D	EHSB08P50D		
Outdoor unit				ERGA04DAV3	ERGA06DAV3		ERGA08DAV3			
Space heating	Average climate water outlet 55°C	General	SCOP		3.26		3.32			
			Annual energy consumption	kWh	3,806	4,441		4,975		
			ηs (Seasonal space heating efficiency)	%	127		130			
			Prated at -10°C	kW	6.0	7.0		8.0		
			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			
	PERd		%	244.0			249.0			
	Tol (temperature operating limit)	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			

## 2 Specifications

2

CONNECTABLE INDOOR UNITS				EHSB04P30D/ ERGA04DV	EHSB08P30D/ ERGA06DV	EHSB08P50D/ ERGA06DV	EHSB08P30D/ ERGA08DV	EHSB08P50D/ ERGA08DV				
2-1 Capacity and Power input												
Space heating	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56				
			Annual energy consumption	kWh	2,766	3,233		3,625				
			ηs (Seasonal space heating efficiency)	%	176		179					
			Prated at -10°C	kW	6.0	7.0		8.0				
			Seasonal space heating eff. class		A++							
		A Condition (-7°CDB/-8°CWB)	COPd		2.90	2.86		2.77				
			Pdh	kW	5.5	6.0		7.0				
			PERd	%	116.0	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								
	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 supplementary capacity	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					
		Qhe Annual energy consumption (GCV)	Gj	-								
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,139	1,276		1,437					
		ηs (Seasonal space heating efficiency)	%	241	248		257					
		Prated at 2°C	kW	5	6		7					

## 2 Specifications

CONNECTABLE INDOOR UNITS				EHSB04P30D/ ERGA04DV	EHSB08P30D/ ERGA06DV	EHSB08P50D/ ERGA06DV	EHSB08P30D/ ERGA08DV	EHSB08P50D/ ERGA08DV		
<b>2-1 Capacity and Power input</b>										
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						
Integrated supplementary heater	Type of energy input		Electrical							
Domestic hot water heating	General	Declared load profile		L		XL		L XL		
		Function to fix water heating during off peak hours		Yes						
	Average climate	AEC (Annual electricity consumption)	kWh	951		1,541		951 1,541		
		ηwh (water heating efficiency)	%	108		109		108 109		
		Qelec (Daily electricity consumption)	kWh	4.500		7.251		4.500 7.251		
		Water heating energy efficiency class		A						
	Cold climate	AEC (Annual electricity consumption)	kWh	1,366		1,852		1,366 1,852		
		ηwh (water heating efficiency)	%	75		90		75 90		
		Qelec (Daily electricity consumption)	kWh	6.454		8.665		6.454 8.665		
	Warm climate	AEC (Annual electricity consumption)	kWh	940		1,343		940 1,343		
Qelec (Daily electricity consumption)		kWh	4.513		6.346		4.513 6.346			
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	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	Product description	Air-to-water heat pump		Yes						
		Brine-to-water heat pump		No						
		Heat pump combination heater		Yes						
		Low-temperature heat pump		No						
		Supplementary heater integrated		No						
	Water-to-water heat pump		No							
LW(A) Sound power level (according to EN14825)	Indoor				39					
LW(A) Sound power level (according to EN14825)	Outdoor				58		60		62	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825						
Heat up time from 10°C to 50°C			hr	1h31min		2h38min		1h31min 2h38min		

### Notes

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

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

## 2 Specifications

2

2-2 Technical Specifications				ERGA04DV	ERGA06DV	ERGA08DV
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388		
Weight	Unit		kg	58.5		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Cooling	Min.-Max.	°CDB	10~43		
	Domestic hot water	Min.-Max.	°CDB	-25~35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge	TCO <sub>2</sub> eq		1.01		
		kg		1.50		
Control			Expansion valve			
Sound power level	Heating	Nom.	dBA	58 (1)	60 (1)	62 (1)
	Cooling	Nom.	dBA	61 (1)	62 (1)	
Sound pressure level	Heating	Nom.	dBA	44 (1)	47 (1)	49 (1)
	Cooling	Nom.	dBA	48 (1)	49 (1)	50 (1)
2-3 Electrical Specifications				ERGA04DV	ERGA06DV	ERGA08DV
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230		
Current	Recommended fuses		A	20		25

### Notes

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

### 3 Combination table

#### 3 - 1 Combination Table

ERGA04-08DV

3

#### Kit availability for outdoor units

		*RGA04DAV3*	*RGA06DAV3*	*RGA08DAV3*
EKDP008D	Drain pan kit	o	o	o
EKDPH008CA	Drain pan heater	o	o	o
EKFT008D	Feet kit	o	o	o
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 tables

## 4 - 1 Cooling Capacity Tables

4

ERGA04-08DV

Maximum cooling capacity													
	T <sub>amb</sub> [°C]	20		25		30		35		40		43	
	LWE [°C]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]
*RGA04*	7	6,26	1,06	5,71	1,12	5,17	1,18	4,62	1,24	3,49	1,14	2,82	1,07
	10	6,53	0,95	6,02	1,03	5,51	1,12	5,00	1,20	3,82	1,09	3,11	1,02
	13	6,79	0,85	6,32	0,95	5,85	1,05	5,38	1,15	4,14	1,04	3,39	1,00
	15	7,05	0,80	6,57	0,91	6,10	1,01	5,62	1,12	4,43	1,03	3,72	1,00
	18	7,43	0,74	6,95	0,84	6,46	0,95	5,98	1,06	4,88	1,02	4,23	1,00
	22	7,94	0,65	7,45	0,76	6,95	0,87	6,46	0,99	5,48	1,01	4,89	1,00
*RGA06*	7	7,80	1,50	7,06	1,54	6,31	1,57	5,57	1,60	3,96	1,31	2,99	1,16
	10	8,40	1,46	7,61	1,50	6,82	1,54	6,03	1,57	4,51	1,31	3,60	1,16
	13	9,01	1,43	8,17	1,46	7,33	1,50	6,49	1,54	5,06	1,31	4,21	1,16
	15	9,36	1,37	8,53	1,42	7,70	1,48	6,87	1,54	5,40	1,31	4,51	1,16
	18	9,88	1,28	9,07	1,36	8,26	1,45	7,45	1,54	5,90	1,31	4,97	1,16
	22	10,58	1,16	9,79	1,29	9,00	1,41	8,21	1,54	6,57	1,31	5,58	1,16
*RGA08*	7	8,78	1,76	7,97	1,81	7,16	1,86	6,34	1,91	4,24	1,40	2,97	1,09
	10	9,58	1,79	8,71	1,84	7,85	1,89	6,99	1,94	4,78	1,40	3,45	1,08
	13	10,37	1,82	9,45	1,86	8,54	1,91	7,63	1,96	5,31	1,41	3,92	1,08
	15	10,94	1,78	9,96	1,83	8,98	1,88	8,01	1,93	5,62	1,39	4,19	1,07
	18	11,79	1,74	10,72	1,78	9,64	1,83	8,57	1,87	6,07	1,37	4,58	1,07
	22	12,94	1,67	11,73	1,71	10,52	1,76	9,31	1,80	6,68	1,34	5,10	1,06

**Symbols**

- CC Cooling capacity at maximum operating frequency, measured according to EN 14511.
- HC Heating capacity at maximum operating frequency, measured according to EN 14511
- PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.
- LWE Leaving water evaporator temperature [°C]
- LWC Leaving water condensor temperature [°C]
- Tamb Ambient temperature; RH (heating) = 85%

**Conditions**

Cooling capacity

Capacity according to standard EN 14511 and valid for chilled water range  $\Delta T = 3\sim 8^{\circ}C$ .  
Capacity values may not be extrapolated below 7°C leaving water temperature.

Heating capacity

Capacity according to standard EN 14511 and valid for heated water range  $\Delta T = 3\sim 8^{\circ}C$ .

Power input

Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

**Notes**

The capacity and the power input are valid for V3 models at 230 V.  
The capacity and the power input are at maximum operation.

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# 4 Capacity tables

## 4 - 1 Cooling Capacity Tables

4

### ERGA04-08DV

#### Maximum cooling capacity

	T <sub>amb</sub> [°C]	20		25		30		35		40		43	
	LWE [°C]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]
*RGA04*	7	6,26	1,06	5,71	1,12	5,17	1,18	4,62	1,24	3,49	1,14	2,82	1,07
	10	6,53	0,95	6,02	1,03	5,51	1,12	5,00	1,20	3,82	1,09	3,11	1,02
	13	6,79	0,85	6,32	0,95	5,85	1,05	5,38	1,15	4,14	1,04	3,39	1,00
	15	7,05	0,80	6,57	0,91	6,10	1,01	5,62	1,12	4,43	1,03	3,72	1,00
	18	7,43	0,74	6,95	0,84	6,46	0,95	5,98	1,06	4,88	1,02	4,23	1,00
	22	7,94	0,65	7,45	0,76	6,95	0,87	6,46	0,99	5,48	1,01	4,89	1,00
*RGA06*	7	7,80	1,50	7,06	1,54	6,31	1,57	5,57	1,60	3,96	1,31	2,99	1,16
	10	8,40	1,46	7,61	1,50	6,82	1,54	6,03	1,57	4,51	1,31	3,60	1,16
	13	9,01	1,43	8,17	1,46	7,33	1,50	6,49	1,54	5,06	1,31	4,21	1,16
	15	9,36	1,37	8,53	1,42	7,70	1,48	6,87	1,54	5,40	1,31	4,51	1,16
	18	9,88	1,28	9,07	1,36	8,26	1,45	7,45	1,54	5,90	1,31	4,97	1,16
	22	10,58	1,16	9,79	1,29	9,00	1,41	8,21	1,54	6,57	1,31	5,58	1,16
*RGA08*	7	8,78	1,76	7,97	1,81	7,16	1,86	6,34	1,91	4,24	1,40	2,97	1,09
	10	9,58	1,79	8,71	1,84	7,85	1,89	6,99	1,94	4,78	1,40	3,45	1,08
	13	10,37	1,82	9,45	1,86	8,54	1,91	7,63	1,96	5,31	1,41	3,92	1,08
	15	10,94	1,78	9,96	1,83	8,98	1,88	8,01	1,93	5,62	1,39	4,19	1,07
	18	11,79	1,74	10,72	1,78	9,64	1,83	8,57	1,87	6,07	1,37	4,58	1,07
	22	12,94	1,67	11,73	1,71	10,52	1,76	9,31	1,80	6,68	1,34	5,10	1,06

#### Symbols

- CC Cooling capacity at maximum operating frequency, measured according to EN 14511.
- HC Heating capacity at maximum operating frequency, measured according to EN 14511
- PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511. Leaving water evaporator temperature [°C]
- LWE Leaving water condenser temperature [°C]
- LWC Ambient temperature; RH (heating) = 85%
- Tamb

#### Conditions

##### Cooling capacity

Capacity according to standard EN 14511 and valid for chilled water range  $\Delta T = 3\sim 8^{\circ}\text{C}$ .

Capacity values may not be extrapolated below 7°C leaving water temperature.

##### Heating capacity

Capacity according to standard EN 14511 and valid for heated water range  $\Delta T = 3\sim 8^{\circ}\text{C}$ .

##### Power input

Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

#### Notes

The capacity and the power input are valid for V3 models at 230 V.

The capacity and the power input are at maximum operation.

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# 4 Capacity tables

## 4 - 2 Heating Capacity Tables

4

**ERGA04-08DV**

Maximum heating capacity - integrated value													
LWC [°C]	T <sub>amb</sub> [°C]	30		35		40		45		50		55	
		HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
*RGA08*	-20	6,22	3,21	6,14	3,43	6,06	3,66	5,98	3,89	5,89	4,11		
	-15	6,62	2,88	6,58	3,16	6,53	3,44	6,48	3,72	6,33	4,02	6,33	4,27
	-7	7,27	2,37	7,28	2,73	7,29	3,08	7,30	3,44	7,02	3,86	6,74	4,28
	-2	7,23	2,11	7,24	2,41	7,26	2,72	7,27	3,02	7,05	3,37	6,83	3,72
	2	7,20	1,90	7,22	2,16	7,23	2,42	7,25	2,68	7,07	2,97	6,90	3,27
	7	9,63	1,84	9,37	2,08	9,12	2,31	8,86	2,55	8,74	3,00	8,61	3,45
	12	9,52	1,49	9,21	1,71	8,91	1,93	8,60	2,14	8,42	2,42	8,25	2,71
	15	9,22	1,30	8,82	1,50	8,42	1,70	8,02	1,90	7,79	2,16	7,55	2,42
20	8,71	0,97	8,16	1,14	7,60	1,32	7,04	1,49	6,72	1,71	6,40	1,93	
*RGA06*	-20	5,19	2,65	5,13	2,82	5,08	3,00	5,02	3,17	5,00	3,44		
	-15	5,59	2,38	5,56	2,60	5,53	2,83	5,50	3,05	5,22	3,35	4,91	3,54
	-7	6,24	1,95	6,25	2,25	6,25	2,56	6,26	2,86	5,58	3,21	4,91	3,54
	-2	6,22	1,72	6,20	1,97	6,19	2,22	6,17	2,48	5,74	2,75	5,32	3,03
	2	6,20	1,53	6,17	1,74	6,13	1,95	6,10	2,17	5,87	2,39	5,65	2,61
	7	7,92	1,45	7,74	1,63	7,57	1,82	7,40	2,01	7,22	2,26	7,03	2,51
	12	7,79	1,06	7,52	1,27	7,26	1,47	6,99	1,68	6,76	1,92	6,54	2,16
	15	7,60	0,95	7,25	1,13	6,89	1,30	6,54	1,48	6,17	1,70	5,81	1,92
20	7,29	0,77	6,79	0,89	6,29	1,02	5,78	1,14	5,19	1,33	4,60	1,51	
*RGA04*	-20	4,38	2,43	4,29	2,45	4,21	2,47	4,13	2,48	3,99	2,82		
	-15	4,78	2,14	4,71	2,24	4,64	2,35	4,58	2,45	4,25	2,78	3,94	2,98
	-7	5,43	1,66	5,38	1,91	5,34	2,16	5,30	2,40	4,65	2,72	4,00	3,04
	-2	5,49	1,48	5,43	1,68	5,36	1,87	5,30	2,07	4,85	2,33	4,40	2,59
	2	5,60	1,40	5,46	1,49	5,38	1,64	5,30	1,80	5,01	2,02	4,73	2,23
	7	6,65	1,11	6,41	1,30	6,25	1,48	6,08	1,65	5,91	1,84	5,73	2,03
	12	6,32	0,86	6,07	1,01	5,76	1,15	5,46	1,29	5,23	1,48	4,99	1,67
	15	6,04	0,73	5,72	0,86	5,40	1,00	5,08	1,13	4,62	1,28	4,17	1,42
20	5,49	0,50	5,15	0,63	4,80	0,75	4,45	0,87	3,62	0,94	2,80	1,01	

Maximum heating capacity - peak values													
LWC [°C]	T <sub>amb</sub> [°C]	30		35		40		45		50		55	
		HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
*RGA08*	-20	6,87	3,40	6,75	3,60	6,62	3,81	6,50	4,01	6,37	4,22		
	-15	7,52	3,11	7,36	3,35	7,20	3,60	7,04	3,85	6,78	4,11		
	-7	8,55	2,64	8,33	2,95	8,12	3,27	7,90	3,58	7,44	3,94	6,98	4,30
	-2	9,06	2,31	8,82	2,62	8,58	2,93	8,34	3,25	7,99	3,58	7,64	3,91
	2	9,46	2,05	9,20	2,36	8,94	2,67	8,69	2,98	8,43	3,28	8,17	3,59
	7	9,63	1,84	9,37	2,08	9,12	2,31	8,86	2,55	8,74	3,00	8,61	3,45
	12	9,52	1,49	9,21	1,71	8,91	1,93	8,60	2,14	8,42	2,42	8,25	2,71
	15	9,22	1,30	8,82	1,50	8,42	1,70	8,02	1,90	7,79	2,16	7,55	2,42
20	8,71	0,97	8,16	1,14	7,60	1,32	7,04	1,49	6,72	1,71	6,40	1,93	
*RGA06*	-20	5,93	2,80	5,83	2,94	5,72	3,07	5,62	3,21	5,40	3,44		
	-15	6,54	2,54	6,37	2,73	6,20	2,91	6,03	3,10	5,68	3,39		
	-7	7,50	2,12	7,23	2,39	6,96	2,66	6,69	2,92	6,12	3,31	5,55	3,69
	-2	7,64	1,88	7,40	2,12	7,17	2,36	6,93	2,60	6,49	2,91	6,06	3,21
	2	7,75	1,70	7,54	1,91	7,33	2,13	7,12	2,35	6,79	2,59	6,46	2,83
	7	7,92	1,45	7,74	1,63	7,57	1,82	7,40	2,01	7,22	2,26	7,03	2,51
	12	7,75	1,08	7,49	1,28	7,24	1,48	6,99	1,68	6,76	1,92	6,54	2,16
	15	7,58	0,96	7,23	1,13	6,88	1,31	6,54	1,48	6,17	1,70	5,81	1,92
20	7,29	0,77	6,79	0,89	6,29	1,02	5,78	1,14	5,19	1,33	4,60	1,51	
*RGA04*	-20	4,71	2,50	4,67	2,50	4,64	2,50	4,61	2,62	4,23	2,86		
	-15	5,19	2,20	5,11	2,32	5,03	2,45	4,95	2,57	4,53	2,86		
	-7	5,95	1,82	5,80	2,04	5,65	2,26	5,50	2,48	4,98	2,86	4,45	3,23
	-2	6,29	1,59	6,13	1,78	5,96	1,98	5,79	2,18	5,37	2,47	4,94	2,75
	2	6,57	1,40	6,39	1,58	6,21	1,76	6,03	1,94	5,68	2,15	5,33	2,37
	7	6,65	1,11	6,41	1,30	6,25	1,48	6,08	1,65	5,91	1,84	5,73	2,03
	12	6,32	0,86	6,07	1,01	5,76	1,15	5,46	1,29	5,23	1,48	4,99	1,67
	15	6,04	0,73	5,72	0,86	5,40	1,00	5,08	1,13	4,62	1,28	4,17	1,42
20	5,49	0,50	5,15	0,63	4,80	0,75	4,45	0,87	3,62	0,94	2,80	1,01	

**Symbols**

- CC Cooling capacity at maximum operating frequency, measured according to EN 14511.
- HC Heating capacity at maximum operating frequency, measured according to EN 14511
- PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.
- LWE Leaving water evaporator temperature [°C]
- LWC Leaving water condenser temperature [°C]
- Tamb Ambient temperature; RH (heating) = 85%

**Conditions**

Cooling capacity

Capacity according to standard EN 14511 and valid for chilled water range ΔT = 3~8°C.  
Capacity values may not be extrapolated below 7°C leaving water temperature.

Heating capacity

Capacity according to standard EN 14511 and valid for heated water range ΔT = 3~8°C.

Power input

Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

**Notes**

The capacity and the power input are valid for V3 models at 230 V.  
The capacity and the power input are at maximum operation.

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# 4 Capacity tables

## 4 - 2 Heating Capacity Tables - more quiet mode

### ERGA04-08DV

Maximum heating capacity - integrated value

	LWC [°C]	30		35		40		45		50		55	
	T <sub>amb</sub> [°C]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
*RGA08*	-20	5,70	2,86	5,62	3,06	5,55	3,27	5,48	3,47	5,40	3,67		
	-15	6,07	5,58	6,01	2,83	5,96	3,08	5,92	3,32	5,79	3,59	5,66	4,34
	-7	6,68	2,13	6,62	2,45	6,63	2,77	6,64	3,09	6,42	3,47	6,19	3,84
	-2	6,66	1,98	6,46	2,15	6,48	2,42	6,50	2,69	6,32	3,00	6,15	3,31
	2	6,66	1,87	6,33	1,91	6,36	2,14	6,39	2,37	6,25	2,63	6,11	2,89
	7	8,32	1,59	8,10	1,79	7,88	2,00	7,66	2,20	7,55	2,59	7,44	2,98
	12	8,23	1,29	7,96	1,48	7,70	1,66	7,44	1,85	7,28	2,10	7,13	2,34
	15	7,97	1,12	7,62	1,29	7,27	1,47	6,93	1,64	6,73	1,86	6,53	2,09
	20	7,53	0,84	7,05	0,99	6,57	1,14	6,08	1,29	5,81	1,48	5,53	1,67
*RGA06*	-20	4,62	2,39	4,57	2,54	4,52	2,69	4,47	2,84	4,45	3,09		
	-15	5,04	2,16	5,02	2,35	4,99	2,55	4,97	2,75	4,62	2,97	4,23	3,68
	-7	5,72	1,78	5,74	2,06	5,75	2,34	5,76	2,62	4,88	2,78	4,00	2,94
	-2	5,76	1,60	5,65	1,76	5,62	1,98	5,58	2,20	5,09	2,38	4,59	2,55
	2	5,79	1,46	5,58	1,53	5,51	1,70	5,44	1,86	5,25	2,06	5,07	2,25
	7	6,72	1,19	6,57	1,35	6,43	1,50	6,28	1,66	6,12	1,86	5,96	2,07
	12	6,57	0,89	6,36	1,05	6,15	1,22	5,93	1,39	5,74	1,59	5,55	1,79
	15	6,43	0,79	6,13	0,94	5,84	1,08	5,55	1,22	5,24	1,40	4,93	1,58
	20	6,19	0,64	5,76	0,74	5,33	0,84	4,91	0,94	4,41	1,09	3,90	1,25
*RGA04*	-20	4,21	2,34	4,12	2,36	4,04	2,37	3,96	2,39	3,84	2,71		
	-15	4,57	2,04	4,53	2,15	4,49	2,26	4,45	2,37	4,11	2,68	3,78	3,38
	-7	5,16	1,56	5,18	1,82	5,20	2,08	5,22	2,35	4,53	2,62	3,85	2,90
	-2	5,18	1,35	5,12	1,51	5,05	1,70	4,98	1,89	4,57	2,24	4,15	2,48
	2	5,20	1,19	5,07	1,27	4,93	1,40	4,79	1,53	4,59	1,72	4,39	1,91
	7	5,87	0,99	5,66	1,16	5,52	1,31	5,37	1,46	5,22	1,63	5,06	1,80
	12	5,58	0,77	5,36	0,89	5,09	1,02	4,82	1,14	4,61	1,31	4,41	1,48
	15	5,33	0,65	5,05	0,77	4,77	0,88	4,49	1,00	4,08	1,13	3,68	1,26
	20	4,85	0,45	4,54	0,56	4,24	0,66	3,93	0,77	3,20	0,83	2,47	0,89

#### Symbols

- CC Cooling capacity at maximum operating frequency, measured according to EN 14511.
- HC Heating capacity at maximum operating frequency, measured according to EN 14511
- PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.
- LWE Leaving water evaporator temperature [°C]
- LWC Leaving water condensor temperature [°C]
- T<sub>amb</sub> Ambient temperature; RH (heating) = 85%

#### Conditions

##### Cooling capacity

Capacity according to standard EN 14511 and valid for chilled water range ΔT = 3~8°C.

Capacity values may not be extrapolated below 7°C leaving water temperature.

##### Heating capacity

Capacity according to standard EN 14511 and valid for heated water range ΔT = 3~8°C.

##### Power input

Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

#### Notes

The capacity and the power input are valid for V3 models at 230 V.

The capacity and the power input are at maximum operation.

# 4 Capacity tables

## 4 - 3 Certification Programs

4

### ERGA04-08DV

Rated data for certification programmes - heating mode

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

Rated data for certification programmes - heating mode

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

Rated data for certification programmes - cooling mode

Tamb [°C]	EWE [°C]	LWE [°C]	*RGA04DA*		*RGA06DA*		*RGA08DA*	
			CC [kW]	EER	CC [kW]	EER	CC [kW]	EER
35	23	18	4,86	5,98	5,96	5,61	6,25	5,40
35	12	7	4,31	3,64	4,87	3,67	5,35	3,54

**Symbols**

- HC Heating capacity measured according to EN 14511
- CC Cooling capacity, measured according to EN 14511.
- COP/EER Coefficient of Performance/Energy efficiency ratio according to EN 14511.
- EWC Entering water condenser temperature [°C]
- LWC Leaving water condenser temperature [°C]
- EWE Entering water evaporator temperature [°C]
- LWE Leaving water evaporator temperature [°C]
- Tamb Ambient temperature [°C DB/WB]

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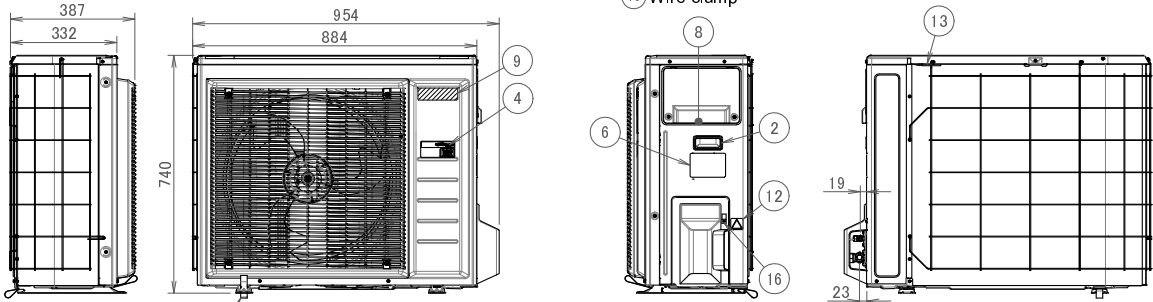
# 5 Dimensional drawings

## 5 - 1 Dimensional Drawings

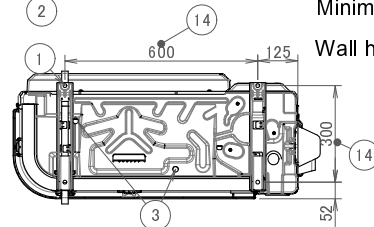
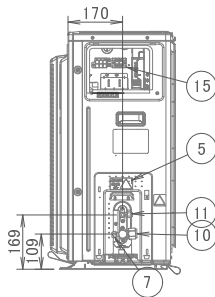
5

### ERGA04-08DV

- 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

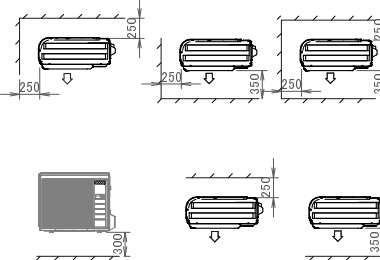


In case of removing the stop valve cover.



Minimum space for air passage

Wall height on air outlet side < 1200 mm

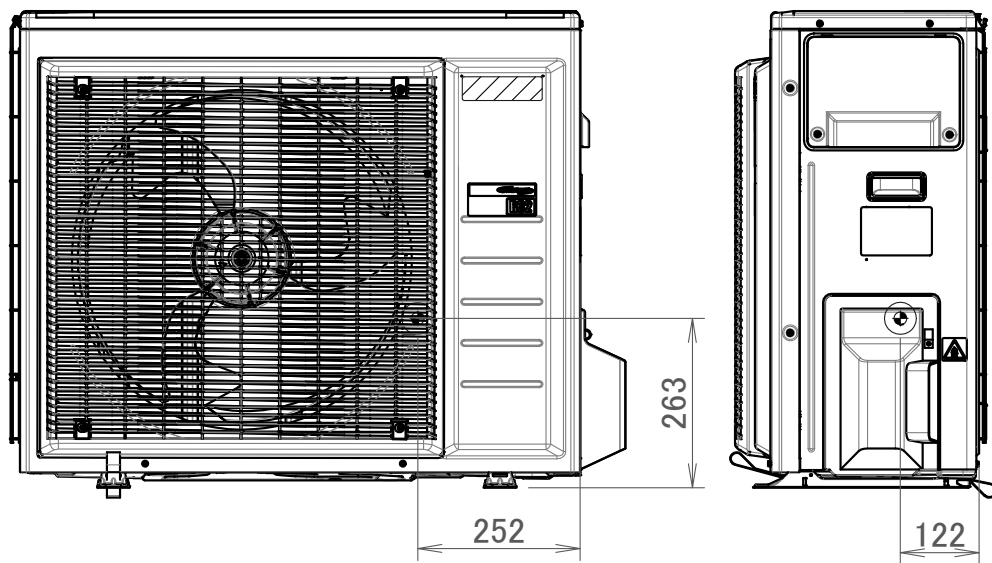


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## 6 Centre of gravity

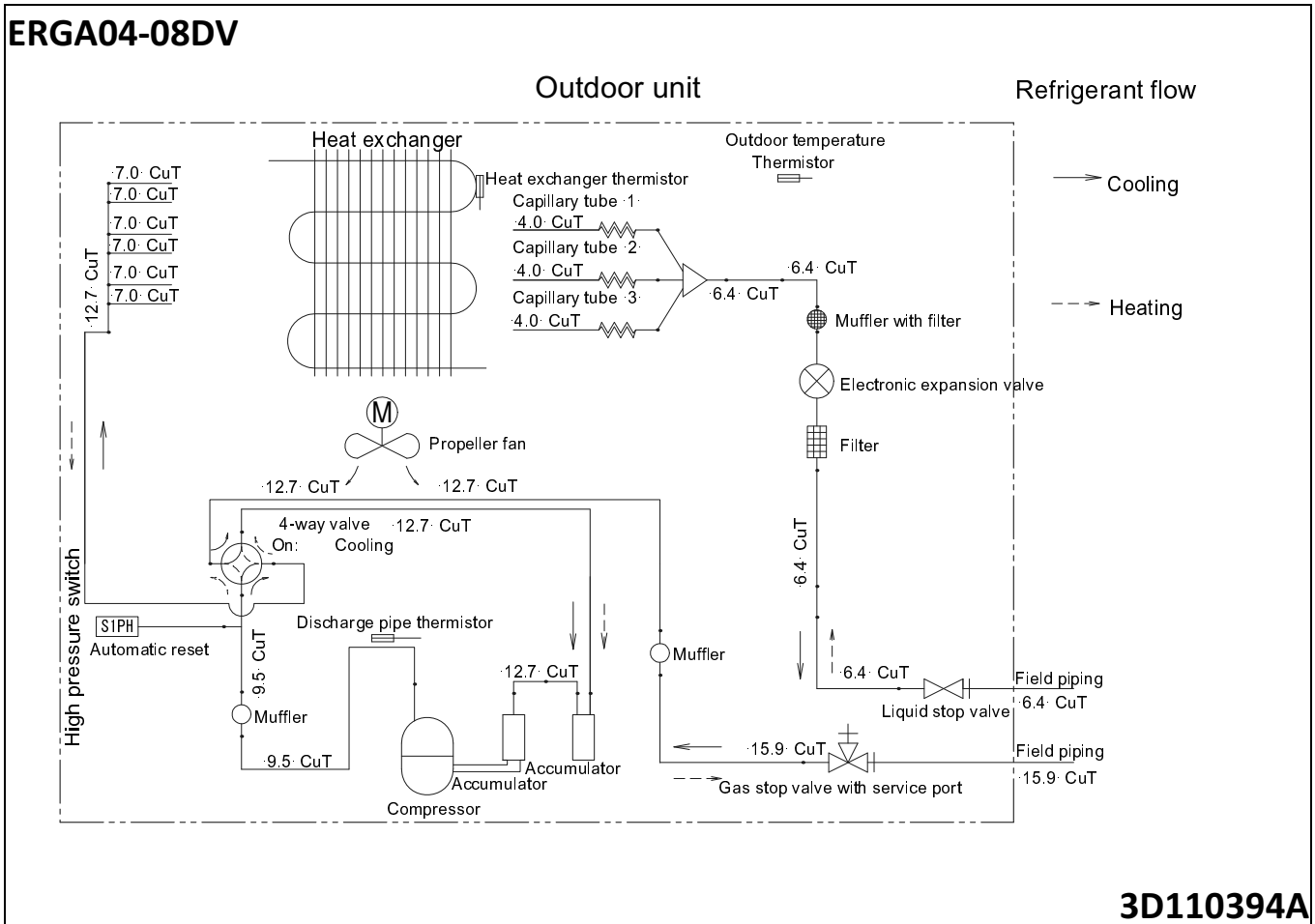
### 6 - 1 Centre of Gravity

ERGA04-08DV



# 7 Piping diagrams

## 7 - 1 Piping Diagrams

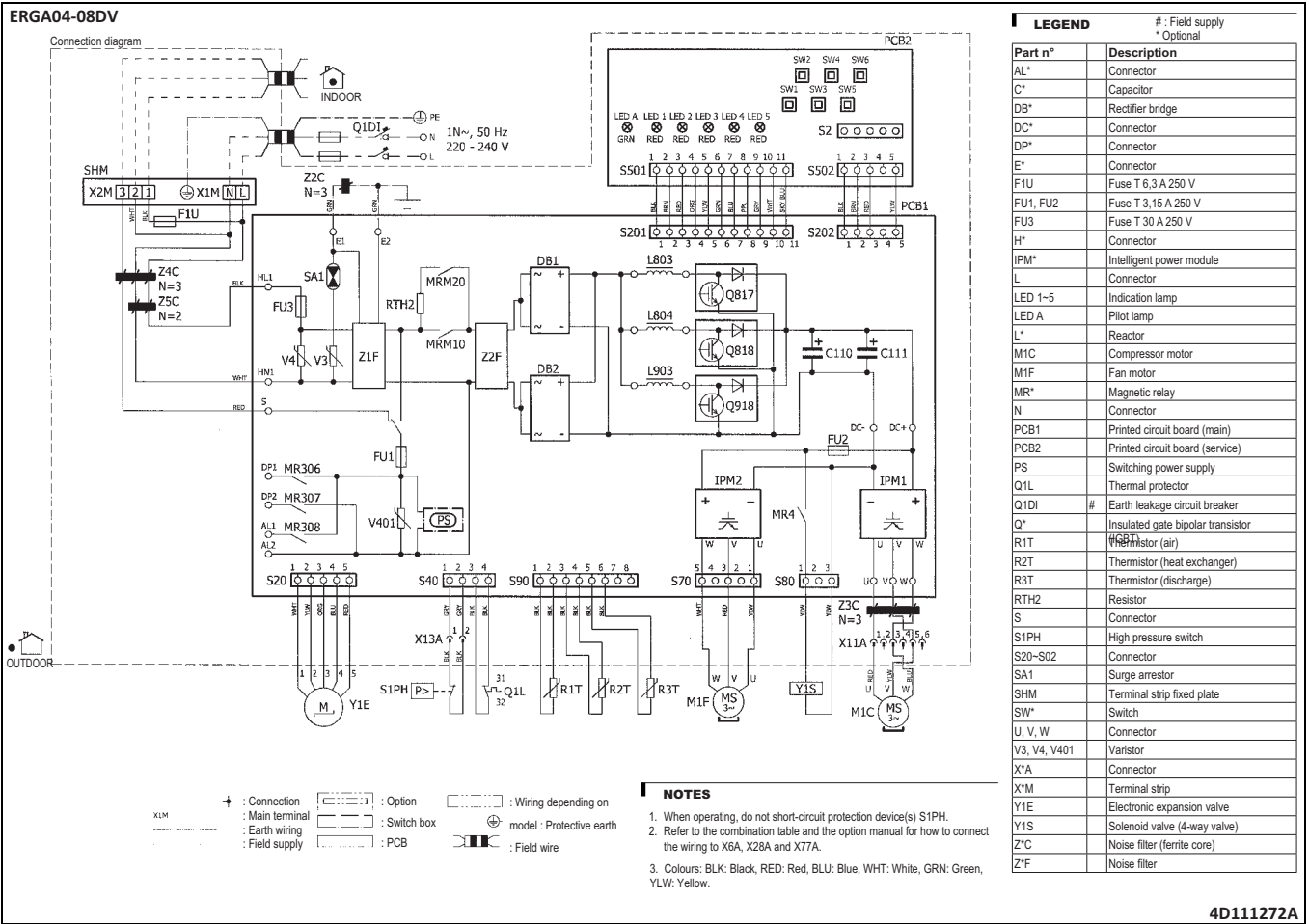


7

# 8 Wiring diagrams

## 8 - 1 Wiring Diagrams - Single Phase

8



Part n*	Description
AL*	Connector
C*	Capacitor
DB*	Rectifier bridge
DC*	Connector
DP*	Connector
E*	Connector
FU1, FU2	Fuse T 6.3 A 250 V
FU3	Fuse T 30 A 250 V
H*	Connector
IPM*	Intelligent power module
L	Connector
LED 1-5	Indication lamp
LED A	Pilot lamp
L*	Reactor
M1C	Compressor motor
M1F	Fan motor
MR*	Magnetic relay
N	Connector
PCB1	Printed circuit board (main)
PCB2	Printed circuit board (service)
PS	Switching power supply
Q1L	Thermal protector
Q1DI	# Earth leakage circuit breaker
Q*	Insulated gate bipolar transistor
R1T	Resistor (air)
R2T	Thermistor (heat exchanger)
R3T	Thermistor (discharge)
RTH2	Resistor
S	Connector
S1PH	High pressure switch
S20-S02	Connector
SA1	Surge arrester
SHM	Terminal strip fixed plate
U, V, W	Connector
V3, V4, V401	Varistor
X*A	Connector
X*M	Terminal strip
Y1E	Electronic expansion valve
Y1S	Solenoid valve (4-way valve)
Z*C	Noise filter (ferrite core)
ZF	Noise filter

+ : Connection  
 XLM : Main terminal  
 : Earth wiring  
 : Field supply  
 : Option  
 : Switch box  
 : PCB  
 : Wiring depending on model : Protective earth  
 : Field wire

**NOTES**

1. When operating, do not short-circuit protection device(s) S1PH.
2. Refer to the combination table and the option manual for how to connect the wiring to X6A, X28A and X77A.
3. Colours: BLK: Black, RED: Red, BLU: Blue, WHT: White, GRN: Green, YLW: Yellow.

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# 9 Sound data

## 9 - 1 Sound Pressure Spectrum - Cooling

9

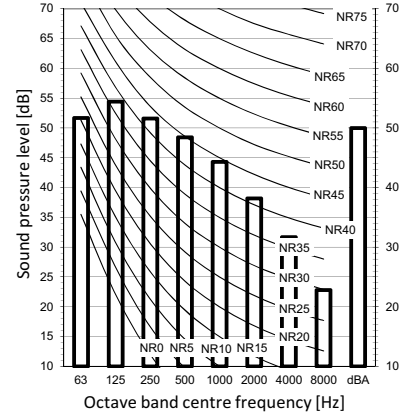
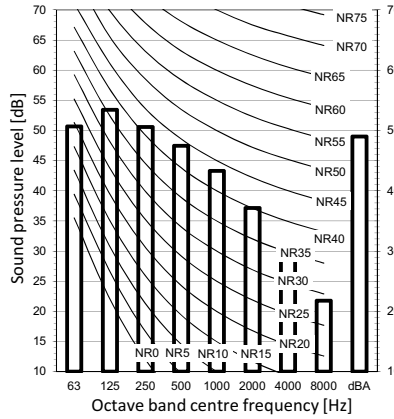
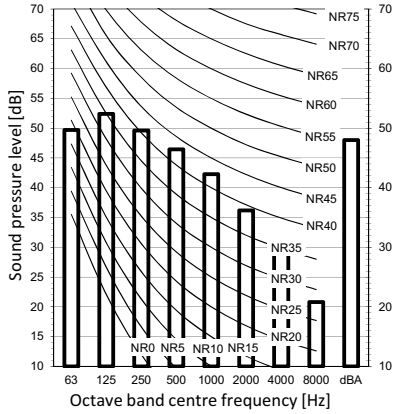
### ERGA04-08DV

#### Cooling

\*RGA04\*

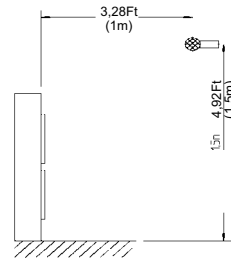
\*RGA06\*

\*RGA08\*



#### Notes

1. Data is valid at free field condition.  
Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20  $\mu$ 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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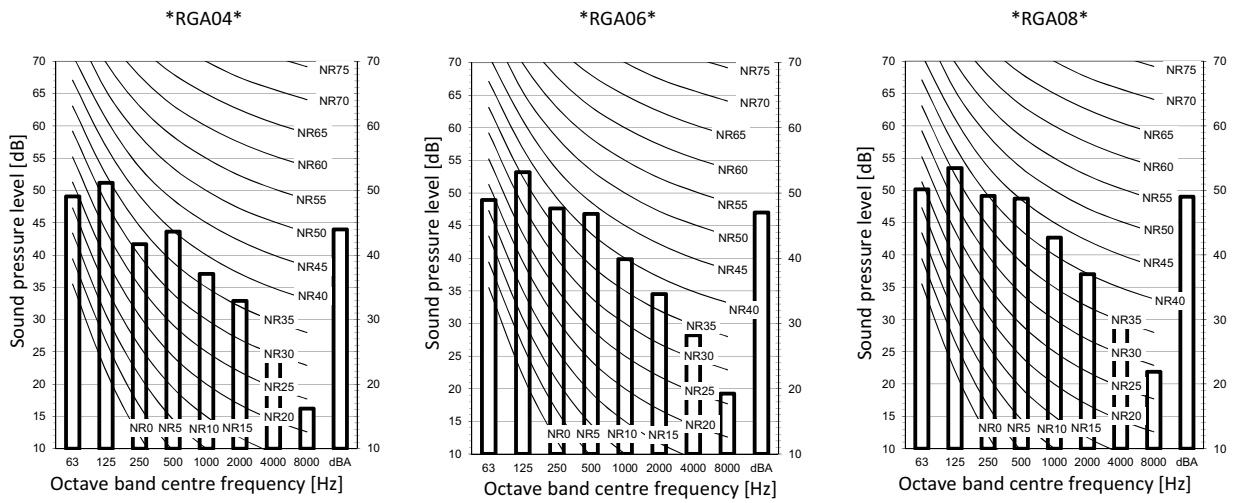
# 9 Sound data

## 9 - 2 Sound Pressure Spectrum - Heating

9

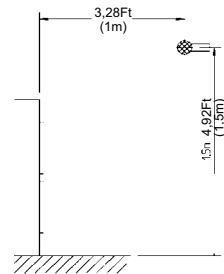
ERGA04-08DV

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



Measuring location (discharge side)

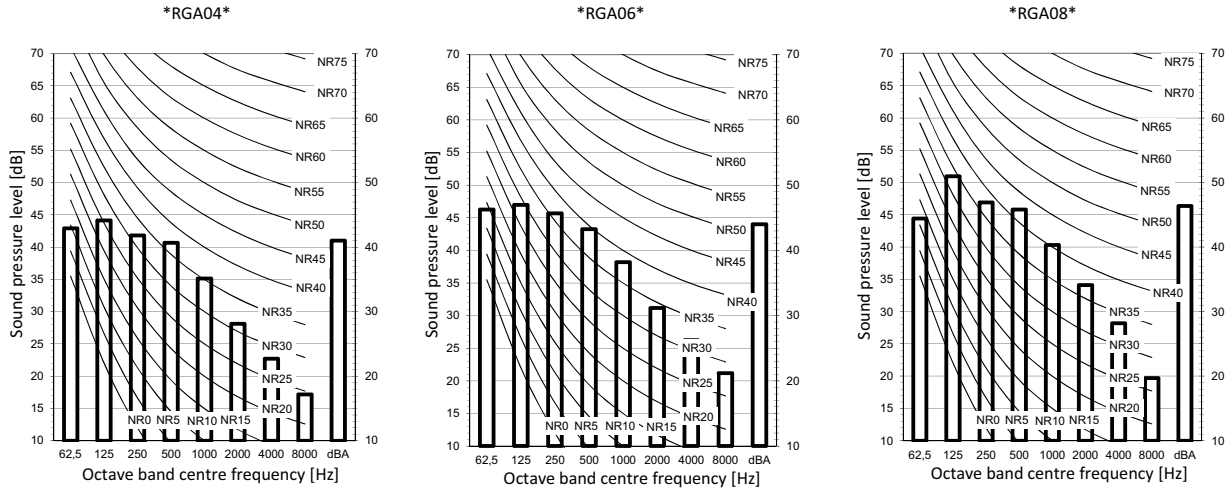
3D111594A

# 9 Sound data

## 9 - 3 Sound Pressure Spectrum Quiet Mode

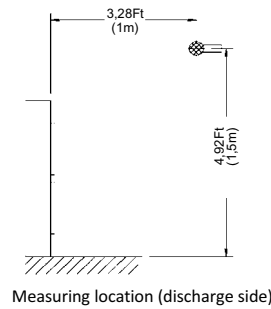
### ERGA04-08DV

#### Heating more quiet mode



**Notes**

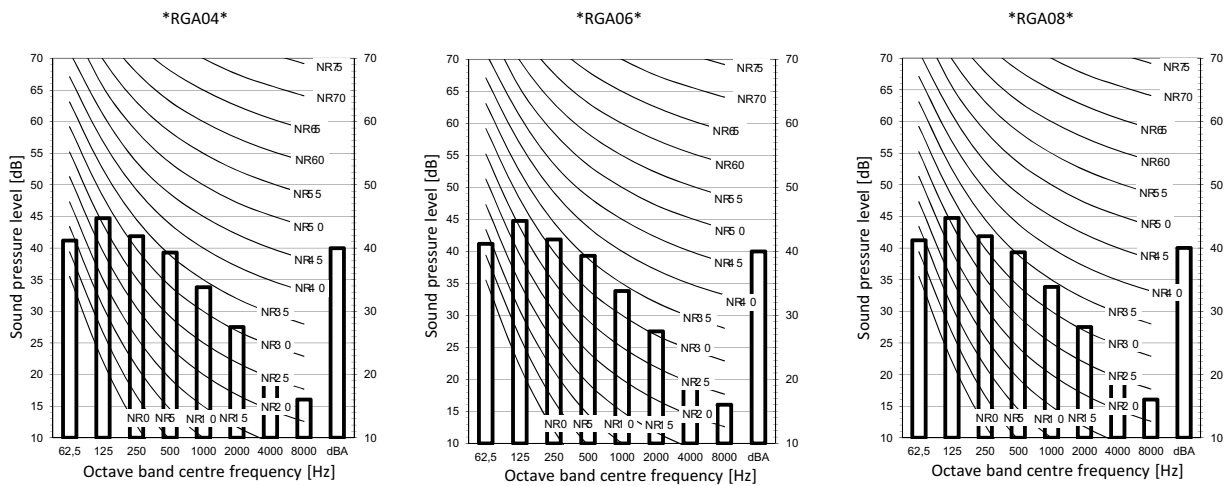
1. Data is valid at free field condition.  
Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 μPa
5. If the sound is measured under actual installation conditions,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



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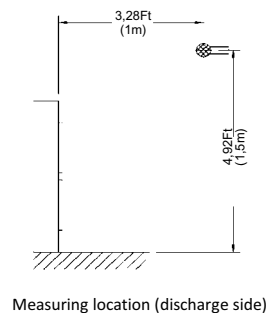
### ERGA04-08DV

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



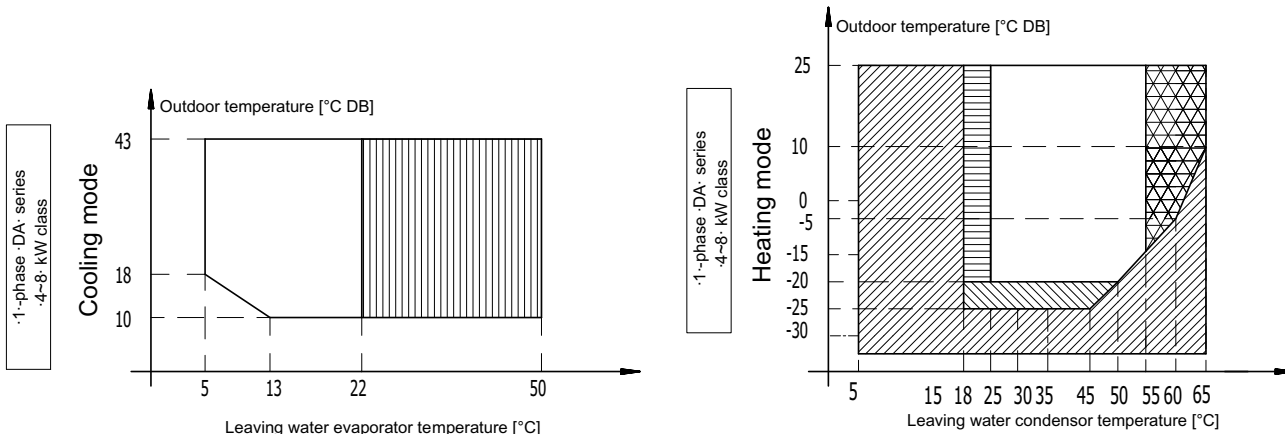
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# 10 Operation range

## 10 - 1 Operation Range

10

### ERGA04-08DV



**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.

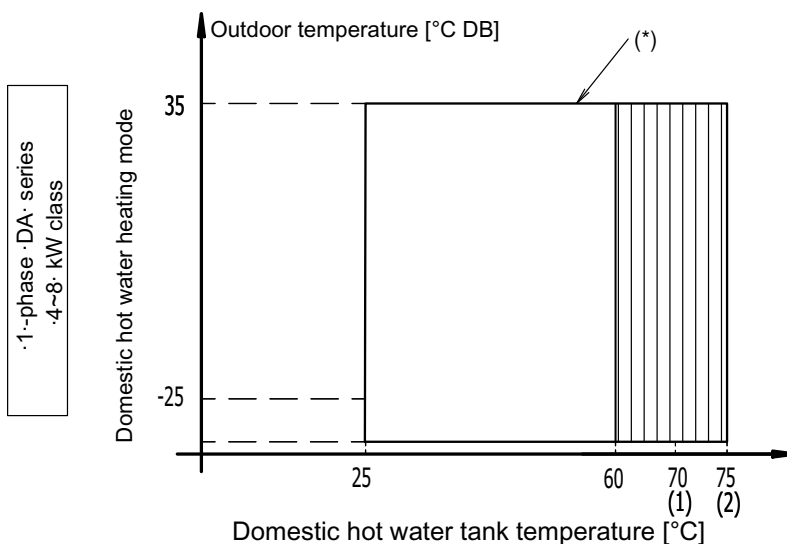
**Warning**

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, ...

3D111563A

### ERGA04-08DV



**Legend**

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

**Remark**

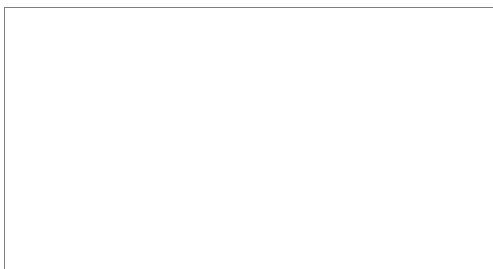
In restricted power supply mode (·EKHW\* only), the outdoor unit, booster heater and backup heater can only operate separately.  
If the outdoor temperature  $< -20^{\circ}\text{C}$ , then outdoor unit operation is possible, but with a possible capacity reduction.  
If the outdoor temperature  $< -25^{\circ}\text{C}$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

3D111564B





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