



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



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ERGA04-08EV

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1 Features

1 - 1 ERGA04-08EV

- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › Outdoor unit extracts heat from the outdoor air, even at -25°C
- › W-LAN Adapter connection

1



Guaranteed operation down to -25°C



Daikin Residential Controller



Online controller

2 Specifications

1 - 1 ERGA04-08EV

Technical specifications				EHVH04SU18E6V + ERGA04EV	EHVH04SU23E6V + ERGA04EV	EHVH08SU18E6V + ERGA06EV	EHVH08SU23E6V + ERGA06EV	EHVH08SU18E6V + ERGA08EV	EHVH08SU23E6V + ERGA08EV	
Heating capacity	Nom.		kW	4.30 (1) / 4.60 (2)		6.00 (1) / 5.90 (2)		7.50 (1) / 7.80 (2)		
Power input	Heating	Nom.	kW	0.850 (1) / 1.26 (2)		1.24 (1) / 1.69 (2)		1.63 (1) / 2.23 (2)		
	Domestic hot water from 10°C	Nom.	kWh	2.48	3.01	2.48	3.01	2.48	3.01	
Heat up time from 10°C to 50°C			hr	1h28min	1h40min	1h28min	1h40min	1h28min	1h40min	
COP				5.10 (1) / 3.65 (2)		4.85 (1) / 3.50 (2)		4.60 (1) / 3.50 (2)		
Pump	Nominal ESP unit	Heating	kPa	59.6 (1) / 58.6 (2)		52.4 (1) / 52.9 (2)		43.3 (1) / 41.2 (2)		
Water side Heat exchanger	Water flow rate	Heating	Nom. l/min	12.3 (1) / 13.2 (2)		17.2 (1) / 16.9 (2)		21.5 (1) / 22.4 (2)		
General	Supplier/Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium						
		Name or trademark		Daikin Europe N.V.						
	Product description	Air-to-water heat pump			Yes					
		Brine-to-water heat pump			No					
		Heat pump combination heater			Yes					
		Low-temperature heat pump			No					
		Supplementary heater integrated			Yes					
LW(A) Sound power level	Water-to-water heat pump			No						
	Indoor		dB(A)	42						
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	58		60		62		
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825						
Space heating general	Air to water unit	Rated airflow (outdoor)	m³/h	2,280.0		2,520.0		2,770.0		
	Other	Capacity control			Inverter					
		Pck (Crankcase heater mode)		kW	0.000					
		Poff (Off mode)		kW	0.010					
		Psb (Standby mode)		kW	0.010					
Pto (Thermostat off)		kW	0.010							
Domestic hot water heating	General	Declared load profile		L	XL	L	XL	L	XL	
		Function to fix water heating during off peak hours		No						
Space heating general	Integrated supplementary heater	Psup		6.0						
		Type of energy input		Electrical						
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)		kWh	820	1,267	820	1,267	820	1,267
		ηwh (water heating efficiency)		%	125	133	125	133	125	133
		Qelec (Daily electricity consumption)		kWh	3.870	5.900	3.870	5.900	3.870	5.900
		Water heating energy efficiency class			A+					
		Cold climate	AEC (Annual electricity consumption)		kWh	951	1,475	951	1,475	951
ηwh (water heating efficiency)			%	107	114	107	114	107	114	
Qelec (Daily electricity consumption)			kWh	4.480	6.860	4.480	6.860	4.480	6.860	
AEC (Annual electricity consumption)			kWh	680	1,046	680	1,046	680	1,046	
Domestic hot water heating	Warm climate	ηwh (water heating efficiency)		%	151	161	151	161	151	161
		Qelec (Daily electricity consumption)		kWh	3.220	4.880	3.220	4.880	3.220	4.880

2 Specifications

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Technical specifications				EHVH04SU18E6V + ERGA04EV	EHVH04SU23E6V + ERGA04EV	EHVH08SU18E6V + ERGA06EV	EHVH08SU23E6V + ERGA06EV	EHVH08SU18E6V + ERGA08EV	EHVH08SU23E6V + ERGA08EV
Space heating Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,806		4,441		4,975	
		η_s (Seasonal space heating efficiency)	%		127			130	
		Prated at -10°C	kW	6.0		7.0		8.0	
		Qhe Annual energy consumption (GCV)	Gj	13.7		16.0		17.9	
		SCOP			3.26			3.32	
		Seasonal space heating eff. class				A++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1.0			
			COPd		1.97		1.98		1.96
			Pdh	kW	5.3		5.9		6.9
			PERd	%		79			78
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0			
			COPd		3.23		3.16		3.20
			Pdh	kW	3.3		3.9		4.4
			PERd	%	129		126		128
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0			
			COPd		4.40		4.49		4.64
			Pdh	kW		3.0			3.3
			PERd	%	176		180		186
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0			
			COPd			6.10			6.22
	Pdh	kW		3.3			4.1		
	PERd	%		244			249		
Tol (temperature operating limit)	COPd		1.37		1.53		1.64		
	Pdh	kW	4.0		5.4		7.1		
	PERd	%	55		61		66		
	TOL	°C			-10				
	WTOL	°C			55				
Rated heat output	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	
		η_s (Seasonal space heating efficiency)	%	107		109		112	
		Prated at -22°C	kW	5.0		6.0		8.0	

2 Specifications

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Technical specifications				EHVH04SU18E6V + ERGA04EV	EHVH04SU23E6V + ERGA04EV	EHVH08SU18E6V + ERGA06EV	EHVH08SU23E6V + ERGA06EV	EHVH08SU18E6V + ERGA08EV	EHVH08SU23E6V + ERGA08EV	
Space heating 	Warm climate water outlet 55°C	General	Annual energy consumption kWh	1,660		1,858		2,213		
			η_s (Seasonal space heating efficiency) %	148		158		161		
			Prated at 2°C kW	4.7		5.6		6.8		
		Average climate water outlet 35°C	General	Annual energy consumption kWh	2,766		3,233		3,625	
				η_s (Seasonal space heating efficiency) %	176				179	
				Prated at -10°C kW	6.0		7.0		8.0	
	A		Qhe Annual energy consumption (GCV) GJ	9.96		11.6		13.1		
			SCOP	4.48		4.47		4.56		
			Seasonal space heating eff. class			A+++				
	B Condition (-7°CDB/-8°CWB)	Condition	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)	Condition	PERd %	173		170		174		
			Cdh (Degradation heating)			1.0				
			COPd	6.19		6.30		6.49		
		D Condition (12°CDB/11°CWB)	Pdh kW	3.2				3.3		
			PERd %	248		252		260		
			Tol (temperature operating limit)	COPd	2.56		2.49		2.41	
	Tbiv (bivalent temperature)	Condition	Pdh kW	5.2		6.0		6.9		
			PERd %	102		100		96		
			TOL °C			-10				
Rated heat output		WTOL °C			35					
		COPd	2.90		3.07		2.66			
		Pdh kW	5.5		6.1		7.5			
Cold climate water outlet 35°C	General	PERd %	116		123		106			
		Tbiv °C	-7		-6		-8			
		Psup (at Tdesign -10°C) kW	0.8		1.0		1.1			
	General	Annual energy consumption kWh	3,230		3,749		5,034			
		η_s (Seasonal space heating efficiency) %	150		155		154			
		Prated at -22°C kW	5.0		6.0		8.0			
Space heating 	Warm climate water outlet 35°C	General	Annual energy consumption kWh	1,139		1,276		1,437		
			η_s (Seasonal space heating efficiency) %	241		248		257		
			Prated at 2°C kW	5.2		6.0		7.0		

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

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

Technical Specifications				ERGA04EV	ERGA06EV	ERGA08EV
Casing	Colour	Ivory white				
	Material	Polyester painted galvanised steel plate				
Dimensions	Unit	Height	740			
		Width	884			
		Depth	388			
	Packed unit	Height	815			
		Width	1,043			
		Depth	478			
Weight	Unit	kg				
	Packed unit	kg				
Packing	Material	Cardboard / EPS				
	Weight	kg				

2 Specifications

1 - 1 ERGA04-08EV

2

Technical Specifications				ERGA04EV	ERGA06EV	ERGA08EV	
Heat exchanger	Length	mm		920			
	Rows	Quantity		2			
	Fin pitch	mm		1.40			
	Passes	Quantity		32			
	Face area	m ²		0.658			
	Tube type			ø7 Hi-XA			
	Fin	Type			Aluminium		
		Treatment			Anti-corrosion Hydrophilic		
Fan	Type			Propeller fan			
	Quantity			1			
	Discharge direction			Horizontal			
Fan motor	Quantity			1			
	Model			KFD-325-77-10A			
	Output	W		77			
	Speed	Heating	Nom.	rpm	620	680	740
		Cooling	Nom.	rpm	780		
Compressor	Quantity			1			
	Model			2YC71EXD#C			
	Type			Hermetically sealed swing compressor			
PED	Category			Category II			
Operation range	Heating	Min.	°CDB	-25			
		Max.	°CDB	25			
	Cooling	Min.	°CDB	10			
		Max.	°CDB	43			
Operation range	Domestic hot water	Max.	°CDB	35			
		Min.	°CDB	-25			
PED	Most critical part	Ps*V	Bar*I	110.4			
Sound power level	Heating	Nom.	dB(A)	58 (1)	60 (1)	62 (1)	
	Cooling	Nom.	dB(A)	61 (1)	62 (1)		
Sound pressure level	Heating	Nom.	dB(A)	44 (1)	47 (1)	49 (1)	
	Cooling	Nom.	dB(A)	48 (1)	49 (1)	50 (1)	
Refrigerant	Type			R-32			
	GWP			675.0			
	Charge	TCO ₂ Eq		1.01			
	Charge	kg		1.50			
	Control			Expansion valve			
	Circuits	Quantity		1			
	Refrigerant oil	Type			FW68DA		
Piping connections	Liquid	Quantity		1			
		Type		Flare connection			
		OD	mm	6,35			
	Gas	Quantity		1			
		Type		Flare connection			
		OD	mm	15,9			
	Drain	Quantity		2			
		Type		Hole			
		OD	mm	18			
	Piping length	OU - IU	Min.	m	3		
			Max.	m	30		
		System	Chargeless	m	10		
	High pressure side	Design pressure	bar		46		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	20.0		
Heat insulation			Both liquid and gas pipes				
Defrost method			Reversed cycle				
Defrost control			Sensor for outdoor heat exchanger temperature				
Safety devices	Item	01		High pressure switch			

Electrical Specifications				ERGA04EV	ERGA06EV	ERGA08EV	
Power supply	Name			V3			
	Phase			1N~			
	Frequency	Hz		50			
	Voltage	V		230			
	Voltage range	Min.	%		-10		
		Max.	%		10		
	Current	Maximum running current	Heating	A	19.9	24.0	
Recommended fuses		A		20	25		

2 Specifications

1 - 1 ERGA04-08EV

Electrical Specifications			ERGA04EV	ERGA06EV	ERGA08EV
Wiring connections	For power supply	Quantity		3	
		Remark		4mm ²	
	For connection with indoor	Quantity		4	
		Remark		1,5mm ²	
IP class	IP			IPX4	

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

3 Combination table

3 - 1 Combination Table

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ERGA04-08EV
ERGA04-08EVA

Kit availability for outdoor units

·E· series

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

Notes

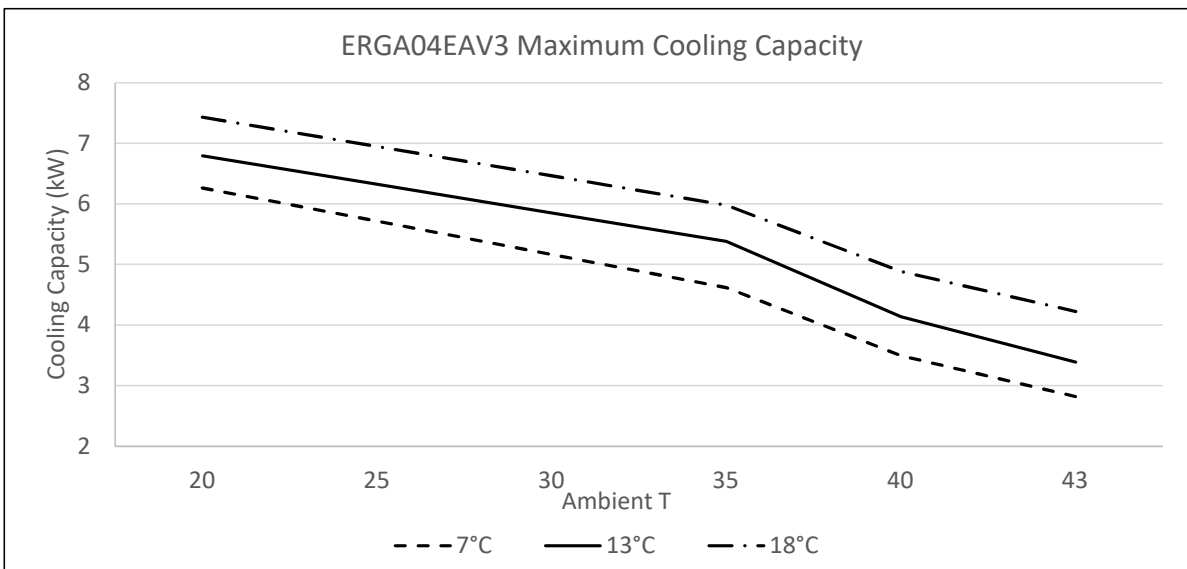
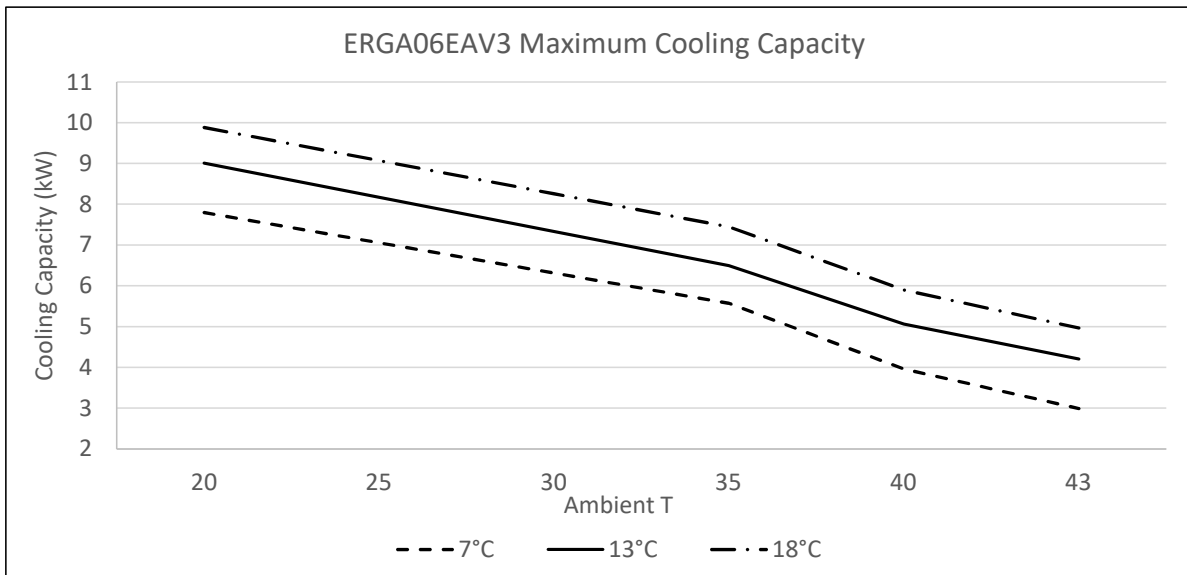
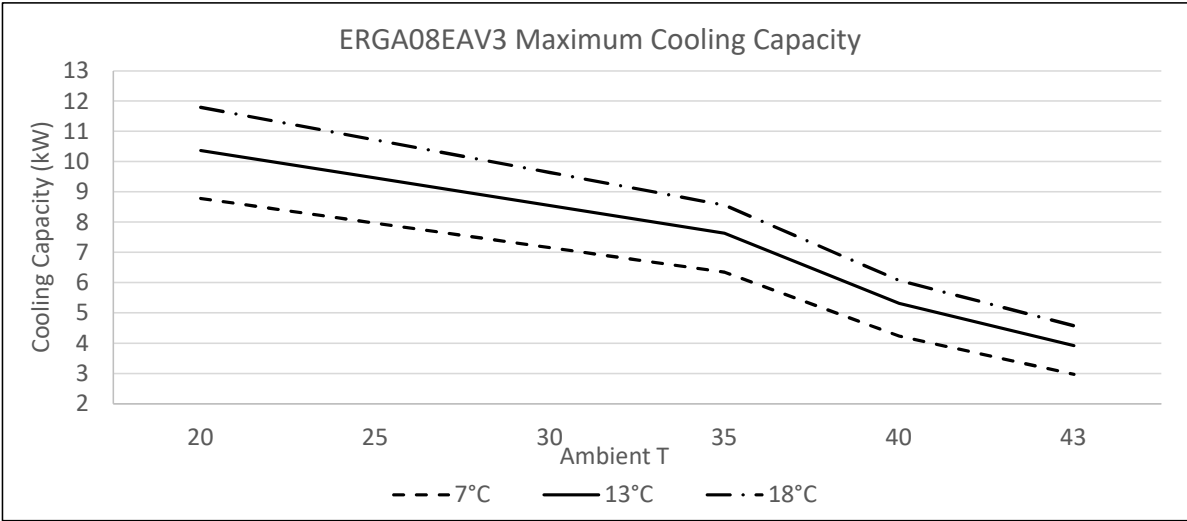
When installing ·EKHDP008D· units in heavy snowfall areas, also install option kit ·EKDPH008CA·.

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4 Capacity graphs

4 - 1 Cooling Capacity Graphs

ERGA04-08EV



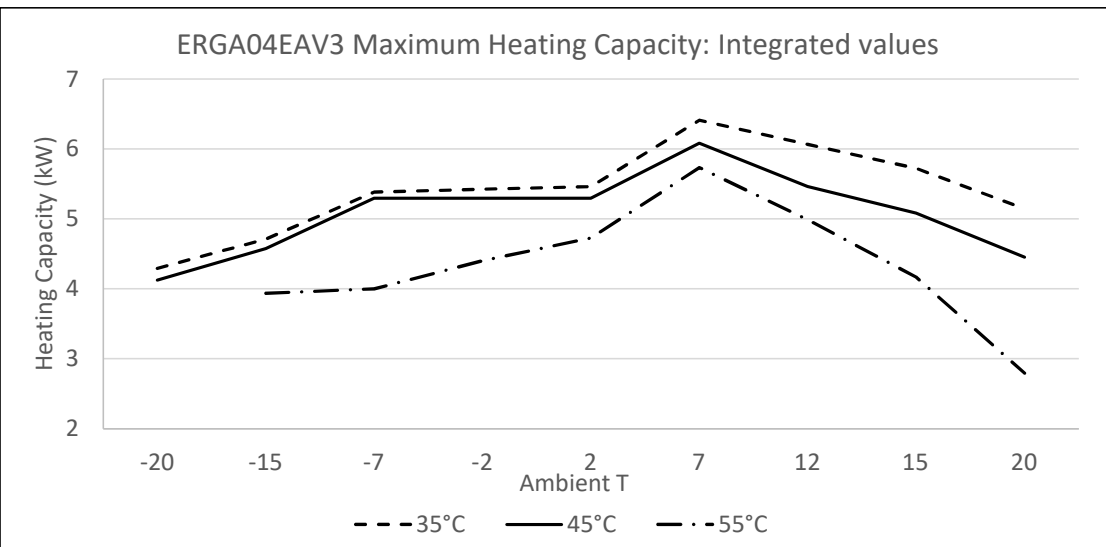
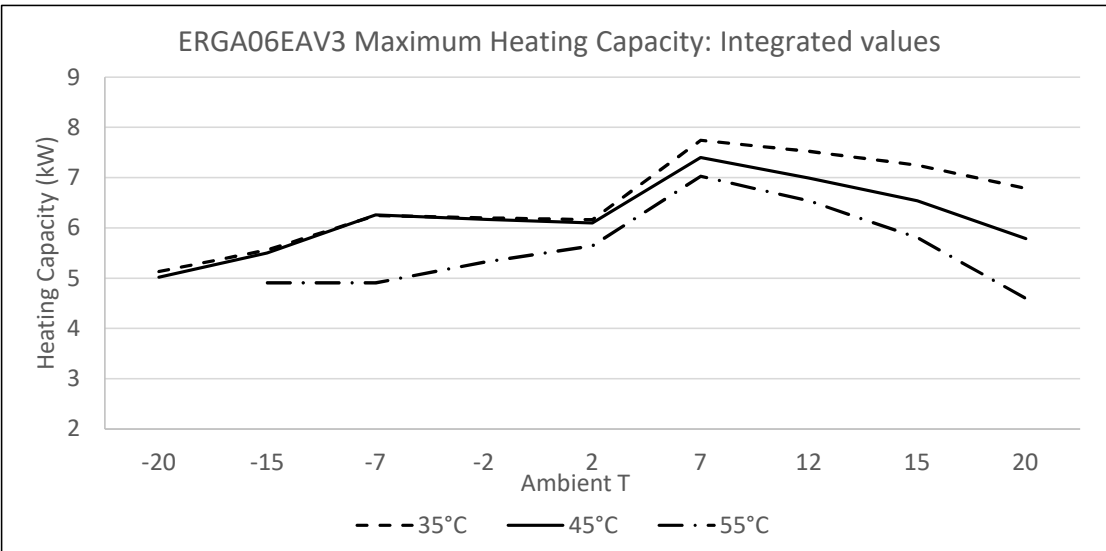
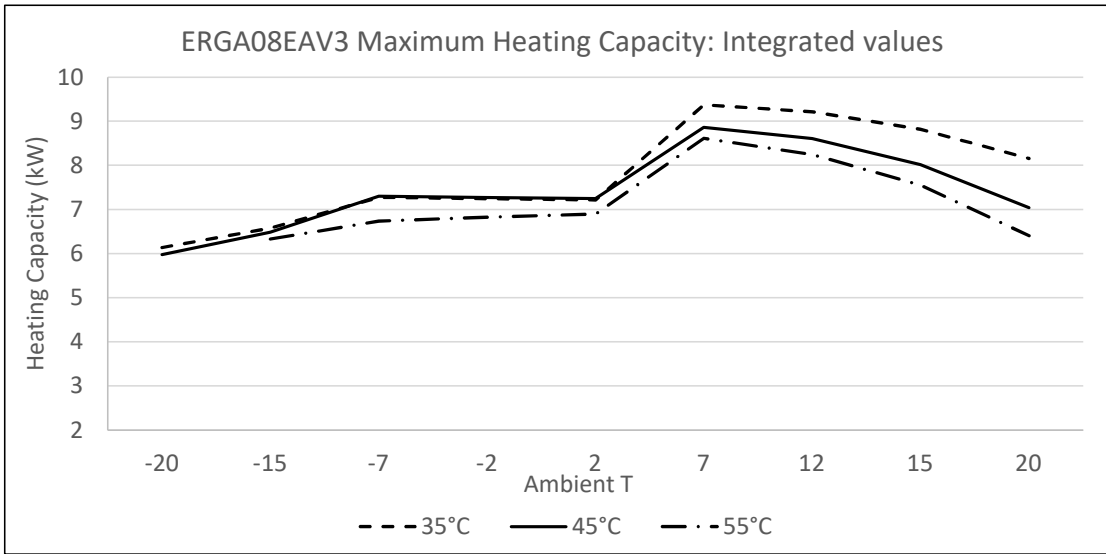
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4 Capacity graphs

4 - 2 Heating Capacity Graphs

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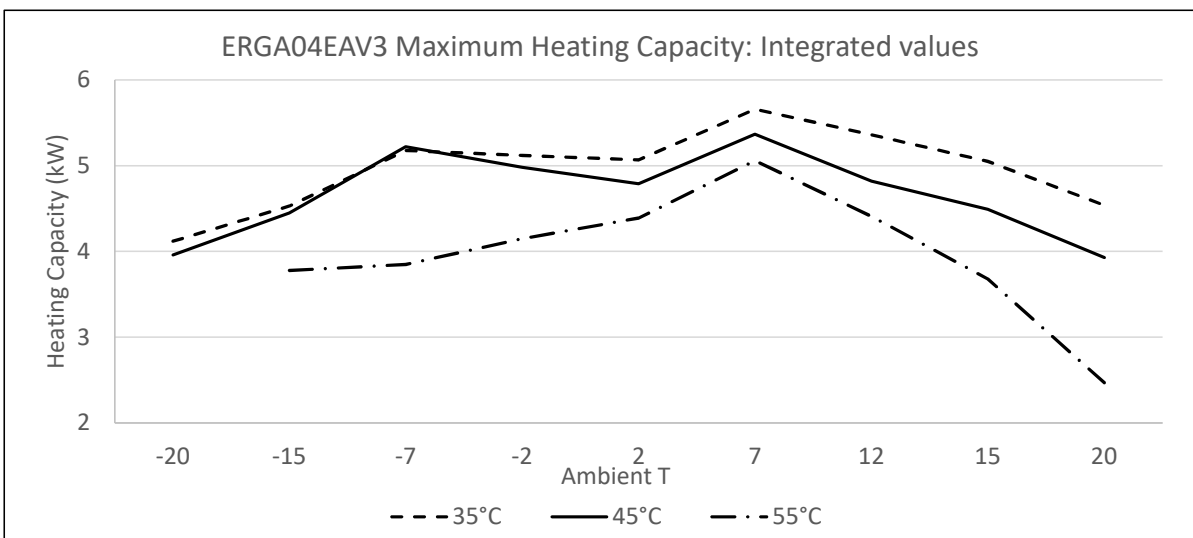
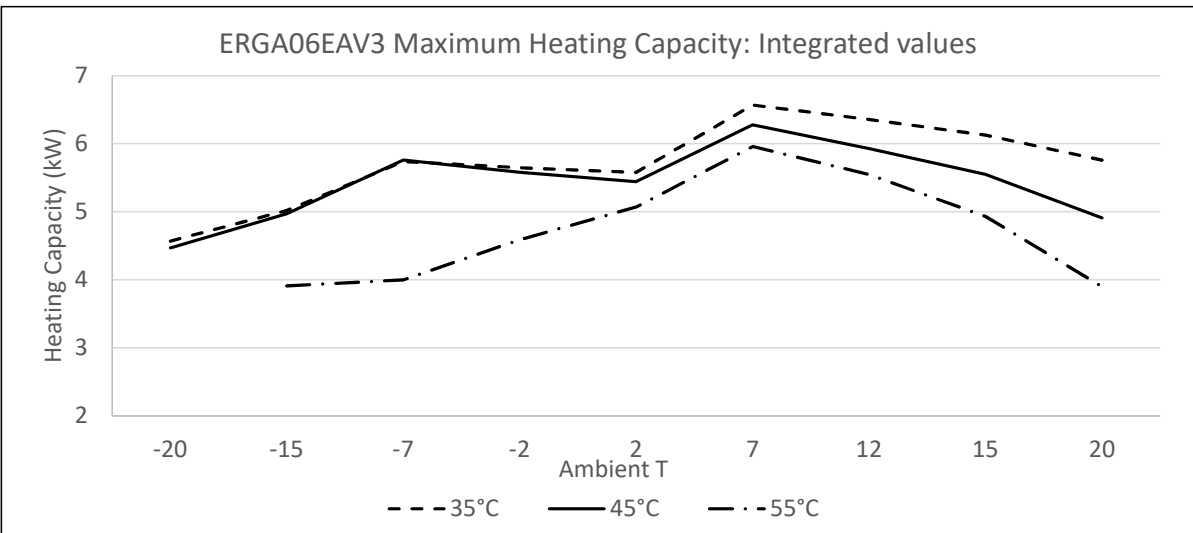
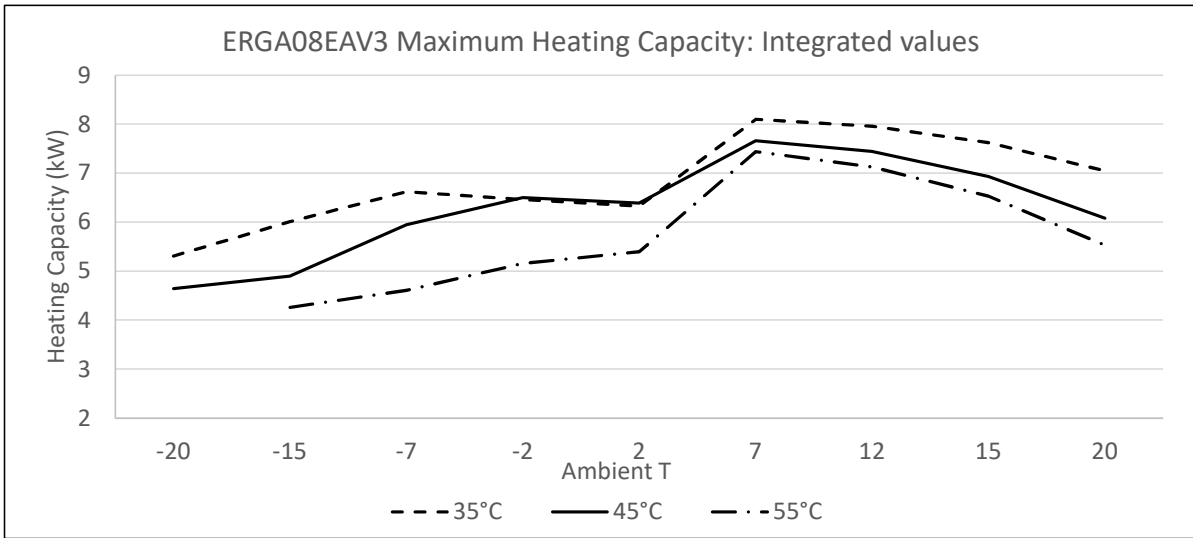


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4 Capacity graphs

4 - 3 Heating Capacity Graphs - more quiet mode

ERGA04-08EV
ERGA04-08EVA



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5 Capacity tables

5 - 1 Certification Programs

5

ERGA04-08EV

ERGA04-08EVA

Rated data for certification programmes - heating mode

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

Tamb [°C]	EWE [°C]	LWE [°C]	ERGA04EA*		ERGA06EA*		ERGA08EA*	
			CC [kW]	EER	CC [kW]	EER	CC [kW]	EER
35	23	18	4,86	5,98	5,96	5,61	6,25	5,40
35	12	7	4,52	3,32	5,09	3,28	5,44	3,14

Seasonal data - cooling

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

Rated data for certification programmes - heating mode

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

Symbols

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

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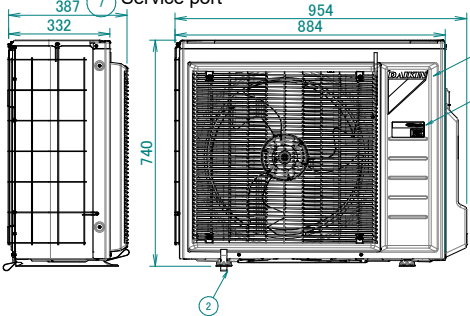
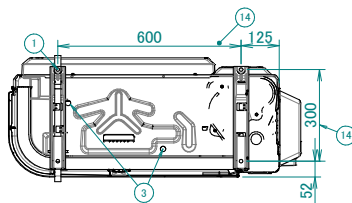
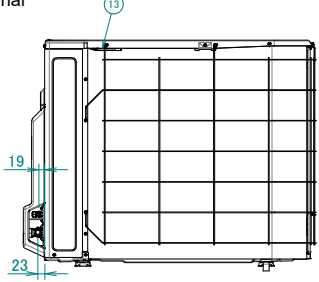
6 Dimensional drawings

6 - 1 Dimensional Drawings

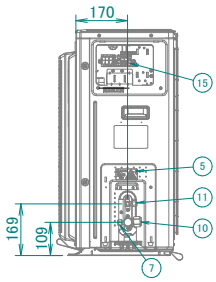
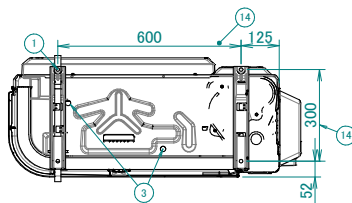
ERGA04-08EV
ERGA04-08EVA

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

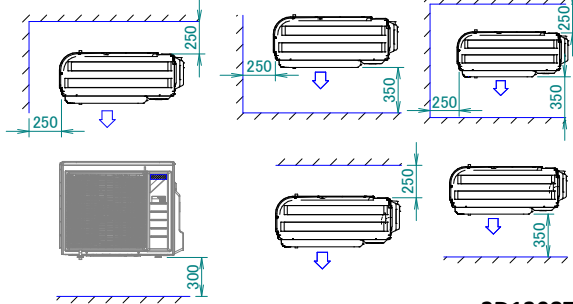
- ⑧ Wiring intake area
- ⑨ Brand name label
- ⑩ Gas stop valve $\varnothing 15.9$ CuT
- ⑪ Liquid stop valve $\varnothing 6.4$ CuT
- ⑫ Product liability label
- ⑬ Outdoor air temperature thermistor
- ⑭ Pitch of foundation bolt holes
- ⑮ Terminal strip with earth terminal

In case of removing the stop valve cover.

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



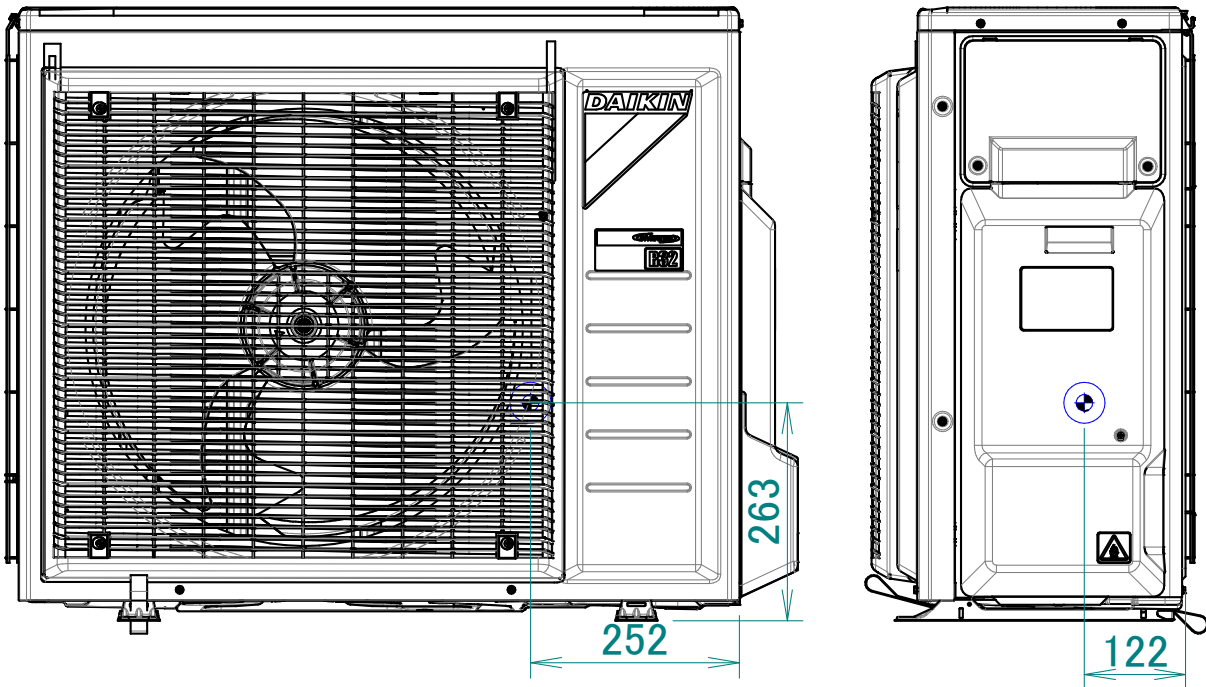
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7 Centre of gravity

7 - 1 Centre of Gravity

7

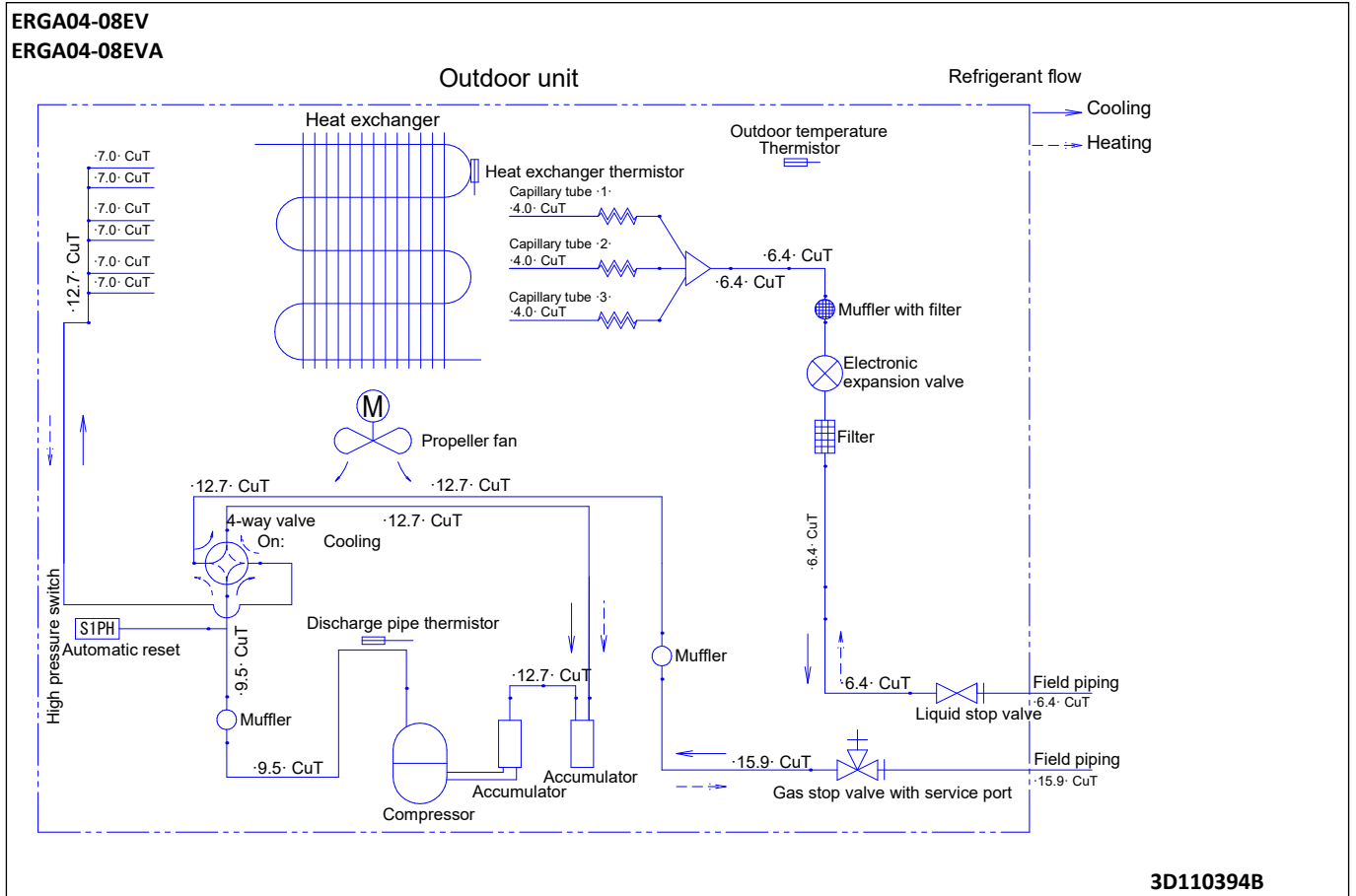
ERGA04-08EV
ERGA04-08EVA



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8 Piping diagrams

8 - 1 Piping Diagrams

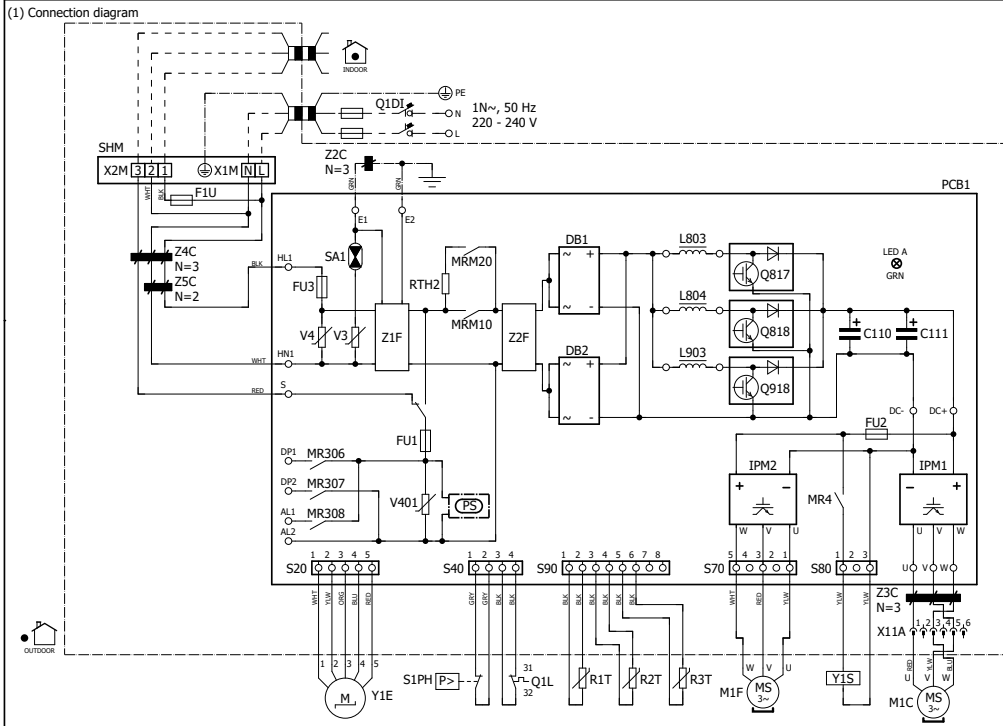


9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

9

ERGA04-08EV
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(3) Legend

: Field supply
* : Optional

Part n°	Description
AL*	Connector
C*	Capacitor
DB*	Rectifier bridge
DC*	Connector
DP*	Connector
E*	Connector
FU1	Fuse T 6,3 A 250 V
FU1, FU2	Fuse T 3,15 A 250 V
FU3	Fuse T 30 A 250 V
I*	Connector
IPM*	Intelligent power module
L	Connector
LED A	Pilot lamp
L*	Reactor
M1C	Compressor motor
M1F	Fan motor
MR*	Magnetic relay
N	Connector
PCB1	Printed circuit board (main)
PS	Switching power supply
QL	Thermal protector
Q1D1	# Earth leakage circuit breaker
Q1D1	# Insulated gate bipolar transistor (IGBT)
Q*	Thermistor (air)
R1T	Thermistor (heat exchanger)
R2T	Thermistor (discharge)
R3T	Thermistor (discharge)
RTH2	Resistor
S	Connector
S1PH	High pressure switch
S2-80	Connector
SA1	Surge arrester
SHM	Terminal strip fixed plate
U, V, W	Connector
V3, V4, V401	Varistor
X*A	Connector
X*M	Terminal strip
Y1E	Electronic expansion valve
Y1S	Solenoid valve (4-way valve)
Z2C	Noise filter (ferrite core)
Z2F	Noise filter

- (2) Notes
- ➔ : Connection
 - X1M : Main terminal
 - ⊕ : Earth wiring
 - : Field supply
 - ⊖ : Option
 - ⊖ : switch box
 - ⊕ : Protective earth
 - ⊖ : PCB
 - ⊖ : Field wire

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

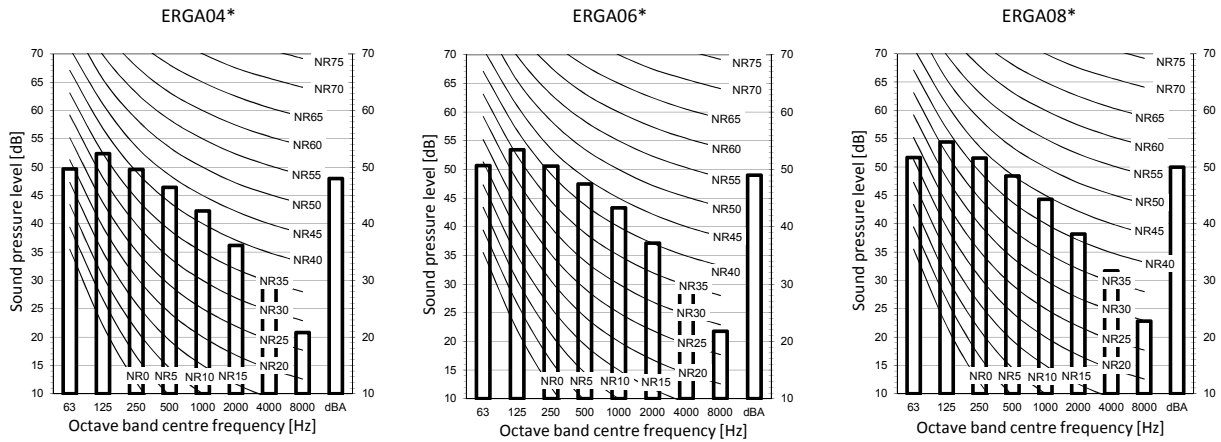
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10 Sound data

10 - 1 Sound Pressure Spectrum

ERGA04-08EV
ERGA04-08EVA

Cooling



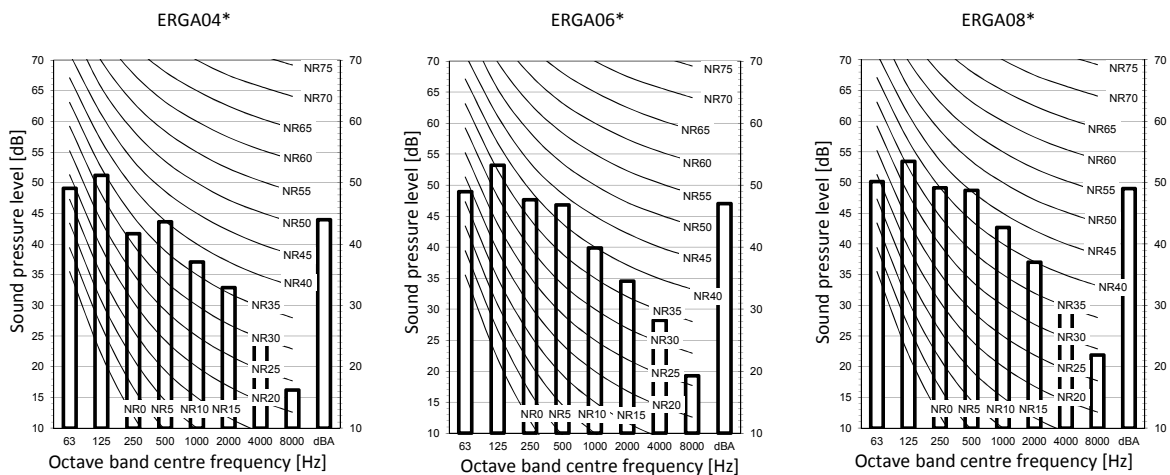
Notes

1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 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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ERGA04-08EV
ERGA04-08EVA

Heating



Notes

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

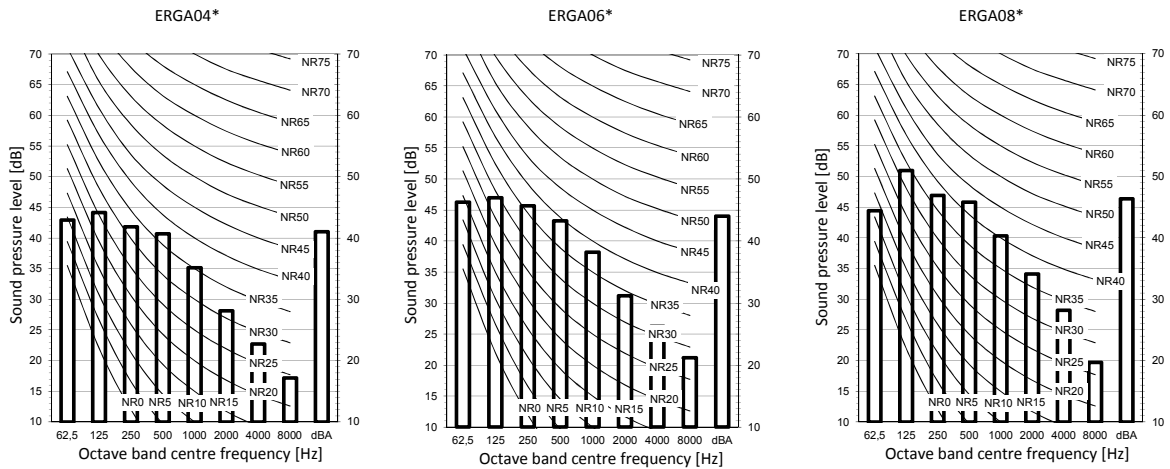
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10 Sound data

10 - 1 Sound Pressure Spectrum

10

ERGA04-08EV
ERGA04-08EVA Heating more quiet mode

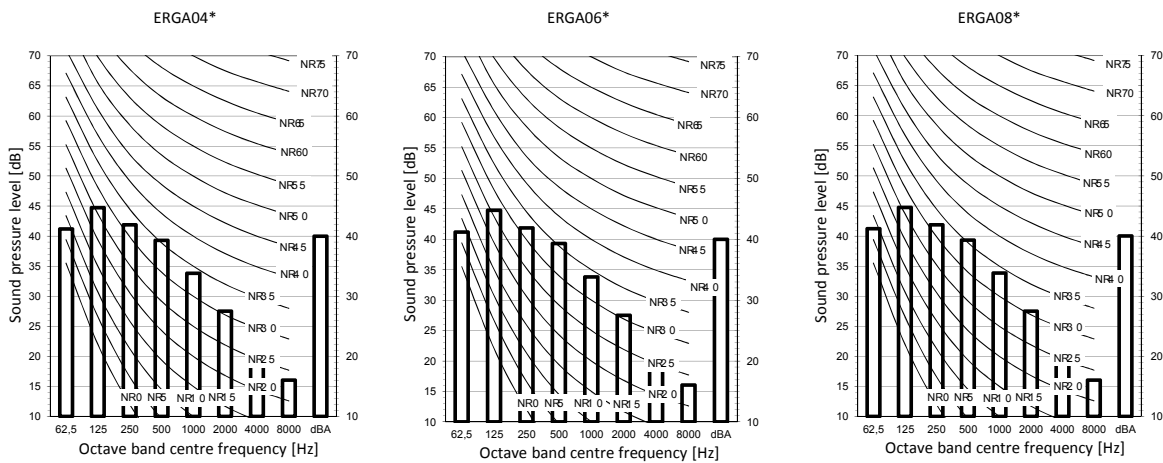


Notes

1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 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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ERGA04-08EV
ERGA04-08EVA Heating most quiet mode



Notes

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

Measuring location (discharge side)

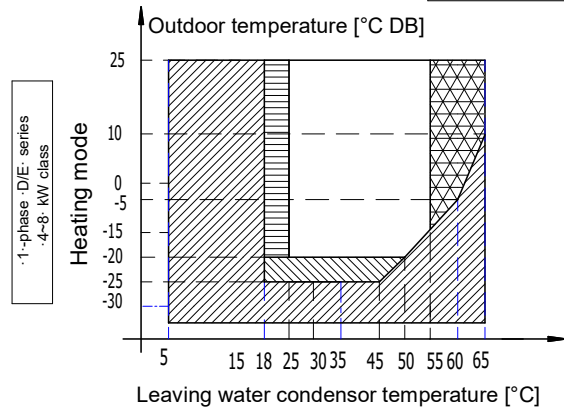
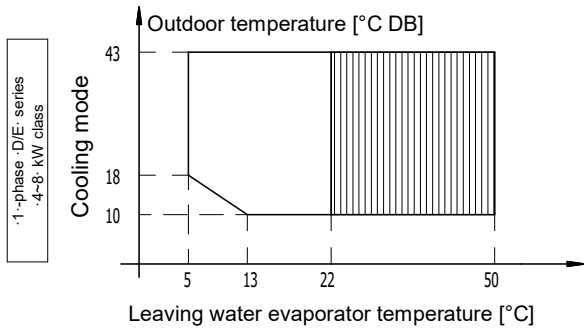
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11 Operation range

11 - 1 Operation Range

ERGA04-08EV
ERGA04-08EVA

Indoor
·D/E(A/J)· series Standard



Legend

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

Remark

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

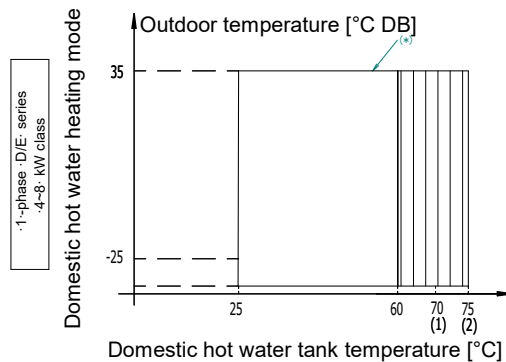
Warning

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

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

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ERGA04-08EV
ERGA04-08EVA



Legend

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

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

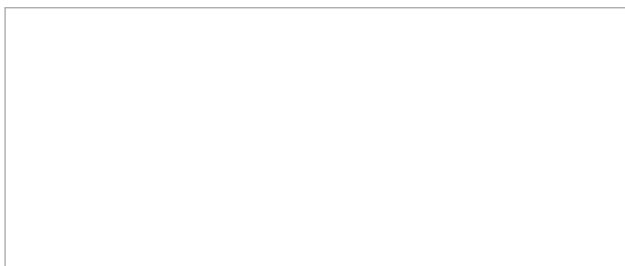
Remark

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

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

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

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11/2020



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