

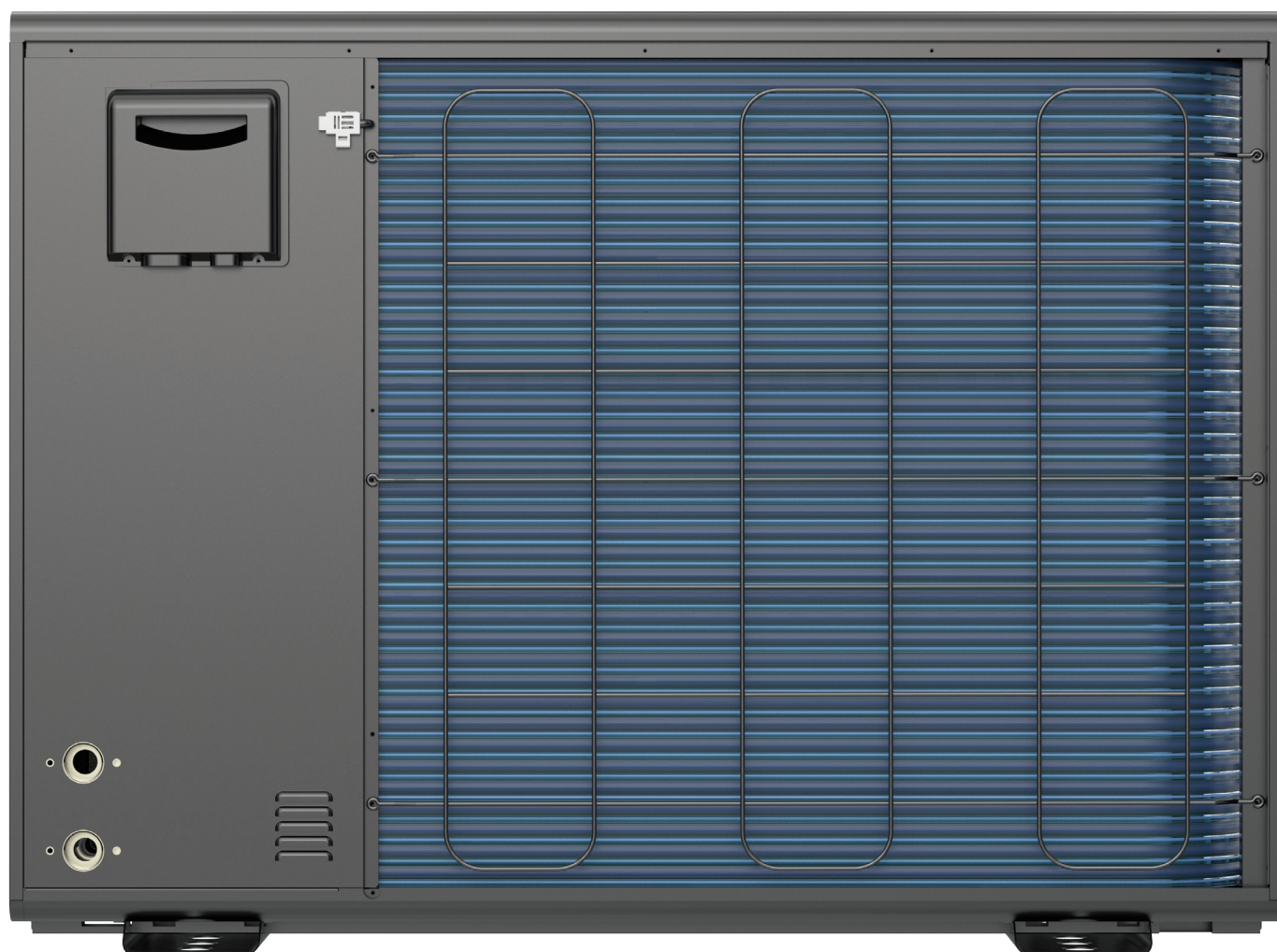


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1. Foreword

The Warmondo heat pump is an integrated air-to-water heat pump system that provides a complete solution for space heating, space cooling, and domestic hot water (DHW) supply.

The outdoor unit extracts heat from the ambient air and transfers it via the refrigerant circuit to the system's plate heat exchanger. By reversing the refrigerant flow with the 4-way valve, the system can generate chilled water for cooling purposes.

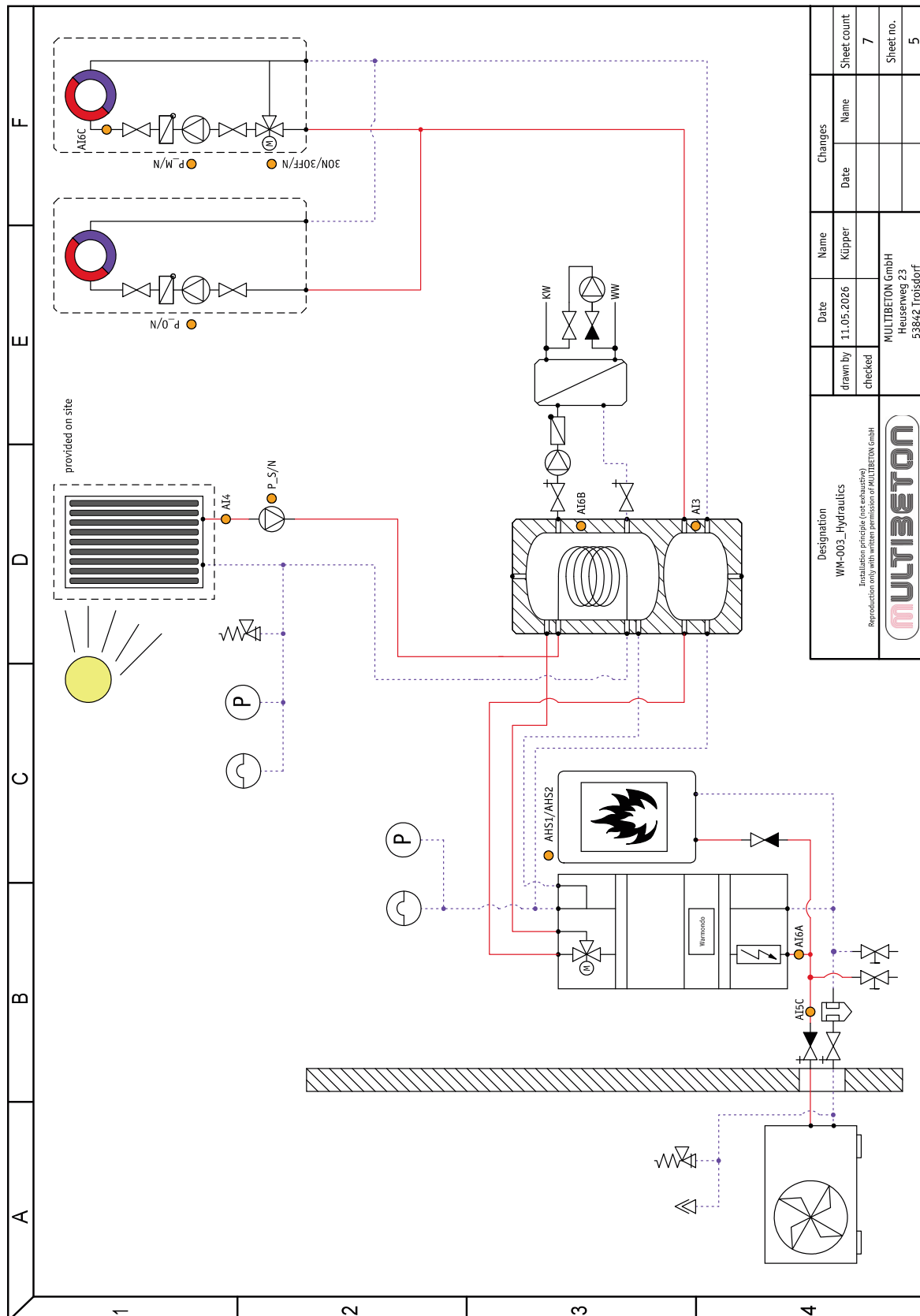
The heating capacity of heat pumps decreases with decreasing ambient temperature. The Warmondo heat pump's indoor unit/hydraulic station is equipped with an integrated auxiliary heater to provide additional heating capacity in extremely cold weather when the heat pump's output is insufficient. This hydraulic station also functions as emergency backup heating in the event of a malfunction and provides frost protection for the outdoor water pipes during winter.

Furthermore, it is possible to use additional components such as buffer tanks, pump groups, etc., according to the Warmondo hydraulic diagrams.

The hydraulic station (WM-HDS) includes a wired 7-inch control panel, a 3-way valve for switching between heating and hot water, an expansion tank, the main control board of the indoor unit, and an integrated auxiliary heater.

Examples of various hydraulic diagrams follow in this document. These diagrams are for general information purposes only. The actual system design must be designed and verified by qualified personnel, taking into account the specific circumstances and requirements.

Hydraulic system diagram of a single unit: heat pump, hydraulic station, solar thermal system and additional heat generator



1.1. Product range

Heat pump

Performance rating (A2/W35)
Rated heating capacity (EN 14511)
SCOP (EN 14825)
Energy efficiency class (EN 14825)
Sound pressure level at 1 m

Heating

Heating capacity (A2/W35)
Power consumption
Operating current
Max. power consumption
Max. operating current
Heating capacity variable (A7/W35)
Heating capacity variable (A2/W35)
Heating capacity variable (A-7/W35)
Heating capacity variable (A-7/W55)

Max. supply water temperature

Outdoor temperature

Power supply

Nominal water flow rate

Compressor

Circulation pump

Water heat exchanger

Air heat exchanger

Fan/fan motor

Controller

Refrigerant

Supply/return connections

Protection rating

Protection class

Net weight

Unit dimensions (L x W x H)

Cooling

Cooling capacity
Power consumption
Operating current
EER
Cooling capacity variable (A35/W15)
Cooling capacity variable (A35/W7)

Technical Specifications

	WM-S	WM-M	WM-L	WM-XL
Performance rating (A2/W35)	6 kW	9 kW	13 kW	16 kW
Rated heating capacity (EN 14511)	4.9 kW	7.1 kW	10.0 kW	12.9 kW
SCOP (EN 14825)	5.08	5.05	5.05	5.07
Energy efficiency class (EN 14825)	A+++/A++			
Sound pressure level at 1 m	31 dB(A)	38 dB(A)	39 dB(A)	38 dB(A)
Heating capacity (A2/W35)	5.97 kW	8.48 kW	12.76 kW	15.28 kW
Power consumption	1.51 kW	2.20 kW	3.30 kW	4.04 kW
Operating current	6.67 A	9.40 A	4.83 A	5.93 A
Max. power consumption	2.80 kW	4.50 kW	5.40 kW	5.80 kW
Max. operating current	14.40 A	19.80 A	8.25 A	8.90 A
Heating capacity variable (A7/W35)	2.84 - 6.30 kW	4.04 - 8.99 kW	5.51 - 13.15 kW	6.86 - 16.37 kW
Heating capacity variable (A2/W35)	2.69 - 5.97 kW	3.82 - 8.48 kW	5.42 - 12.76 kW	6.48 - 15.28 kW
Heating capacity variable (A-7/W35)	2.29 - 5.69 kW	3.26 - 8.10 kW	4.63 - 11.75 kW	5.53 - 14.03 kW
Heating capacity variable (A-7/W55)	2.22 - 5.52 kW	3.16 - 7.85 kW	4.40 - 11.17 kW	5.15 - 13.07 kW
Max. supply water temperature	75 °C			
Outdoor temperature	-25 to +43 °C			
Power supply	230 V/1~/50 Hz	230 V/1~/50 Hz	400 V/3~/50 Hz	400 V/3~/50 Hz
Nominal water flow rate	1.03 m ³ /h	1.55 m ³ /h	2.20 m ³ /h	2.75 m ³ /h
Compressor	MITSUBISHI® reciprocating compressor			
Circulation pump	Wilco® Para direct current			
Water heat exchanger	Braze plate heat exchanger (BPHE)			
Air heat exchanger	Copper tube heat exchanger with aluminum fins (CTAFC)			
Fan/fan motor	Axial/DC			
Controller	7-inch IPS 600×1024 color touchscreen display			
Refrigerant	R290			
Supply/return connections	5/4"			
Protection rating	IPX4			
Protection class	I			
Net weight	146 kg	160 kg	205 kg	212 kg
Unit dimensions (L x W x H)	1,102 × 557 × 1,021 mm		1,377 × 557 × 1,021 mm	
Cooling capacity	4.91 kW	6.96 kW	9.13 kW	11.80 kW
Power consumption	1.60 kW	2.23 kW	2.99 kW	3.78 kW
Operating current	7.03 A	9.79 A	4.55 A	5.81 A
EER	4.32	4.31	4.34	4.38
Cooling capacity variable (A35/W15)	2.41 - 5.35 kW	4.02 - 7.66 kW	4.50 - 10.00 kW	5.59 - 12.42 kW
Cooling capacity variable (A35/W7)	2.21 - 4.91 kW	3.65 - 6.96 kW	4.28 - 9.52 kW	5.28 - 11.74 kW

Hydraulic station

Max. heating capacity
Power supply
Max. operating current
Max. flow temperature
Connections for supply/return
Connections for domestic hot water
Connections for heating water
Sound pressure level at 1 m
Unit dimensions (L x W x H)
Net weight
Protection rating
Protection class

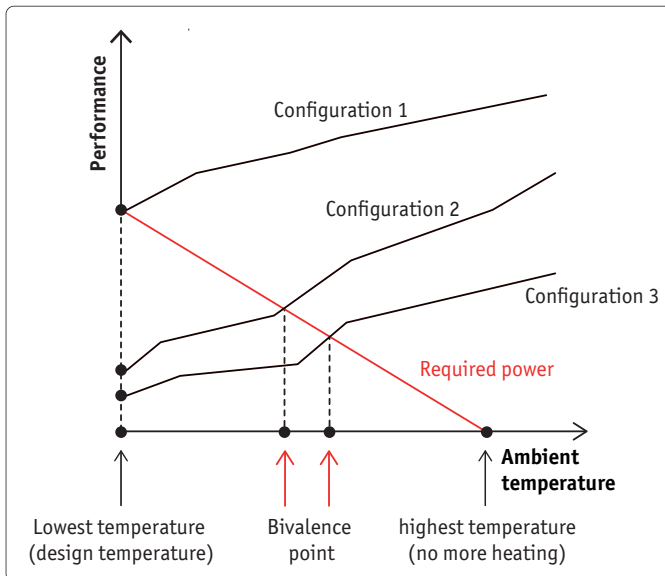
WM-HDS

9 kW
400 V/3~/50 Hz
13.7 A
75 °C
5/4"
1"
1"
30 dB(A)
418 × 310 × 750 mm
35 kg
IPX1
I

1.2. System configurations

The Warmondo heat pump series can be configured to operate with the integrated electric auxiliary heater activated or deactivated, and can also be used in conjunction with an auxiliary heat source. The chosen configuration affects the size of the required heat pump. Three typical configurations are described below.

To use an auxiliary heat source for both domestic hot water production and space heating, it must be installed upstream of the 3-way valve so that the system can switch between supporting domestic hot water production and space heating as needed.



Configuration 1: Heat pump only

- The heat pump meets the required demand, so no additional heating power is needed.
- This requires choosing a heat pump with higher heating capacity and represents a higher initial investment.
- Ideal for new construction projects where energy efficiency is a top priority.

Configuration 2: Heat pump and integrated auxiliary heater

- The heat pump meets the required demand until the bivalence point is reached. Once the bivalence point is reached, the electric auxiliary heater is switched on.
- The best ratio between initial investment and operating costs leads to the lowest life cycle costs.
- Ideal for new construction;

Configuration 3: Heat pump with additional heat generator

- The heat pump meets the required demand until the bivalence point is reached. Once the bivalence point is reached, the auxiliary heat source is activated. It supplies either the additional required heat or the total heat demand.
- Allows the selection of a heat pump with lower heating capacity.
- Ideal for renovations and retrofits;

2. System design

2.1. Selection process

Step 1: Heating load calculation

Calculate the heating load according to applicable laws, standards, and regulations. Select the heating system (type, number, target temperature, and heating load).

Step 2: System configuration

Decide whether to include auxiliary heat sources and set their activation temperature. Decide whether the integrated electric auxiliary heater should be activated or deactivated.

Step 3: Selecting the Warmondo model

Determine the required total heat load of the outdoor unit, including the power required for hot water preparation.

3.1: Choose a 1-phase or a 3-phase model. The hydraulic station is always 3-phase.

3.2: For now, select the heating output of the Warmondo unit based on the nominal output.

3.3: Adjust the outdoor unit's output using the following information:

Climate zone/Target flow temperature*

Is the corrected Warmondo unit capacity $\geq$ the required total heat load of the outdoor units?

Yes: The heat pump selection is complete.

No: Choose a larger model, a cascade system, or an auxiliary heater.

*When using more than one heating circuit, always assume the highest required flow temperature in the calculation. If the flow temperature lies between two temperatures listed in the outdoor unit's performance table, use the next higher configuration.

2.2. Flow temperature

The recommended flow temperatures for different heating systems are:

Underfloor heating:	28 to 35 °C
Radiators:	30 to 45 °C
Fan convectors:	40 to 50 °C

2.3. System optimizations

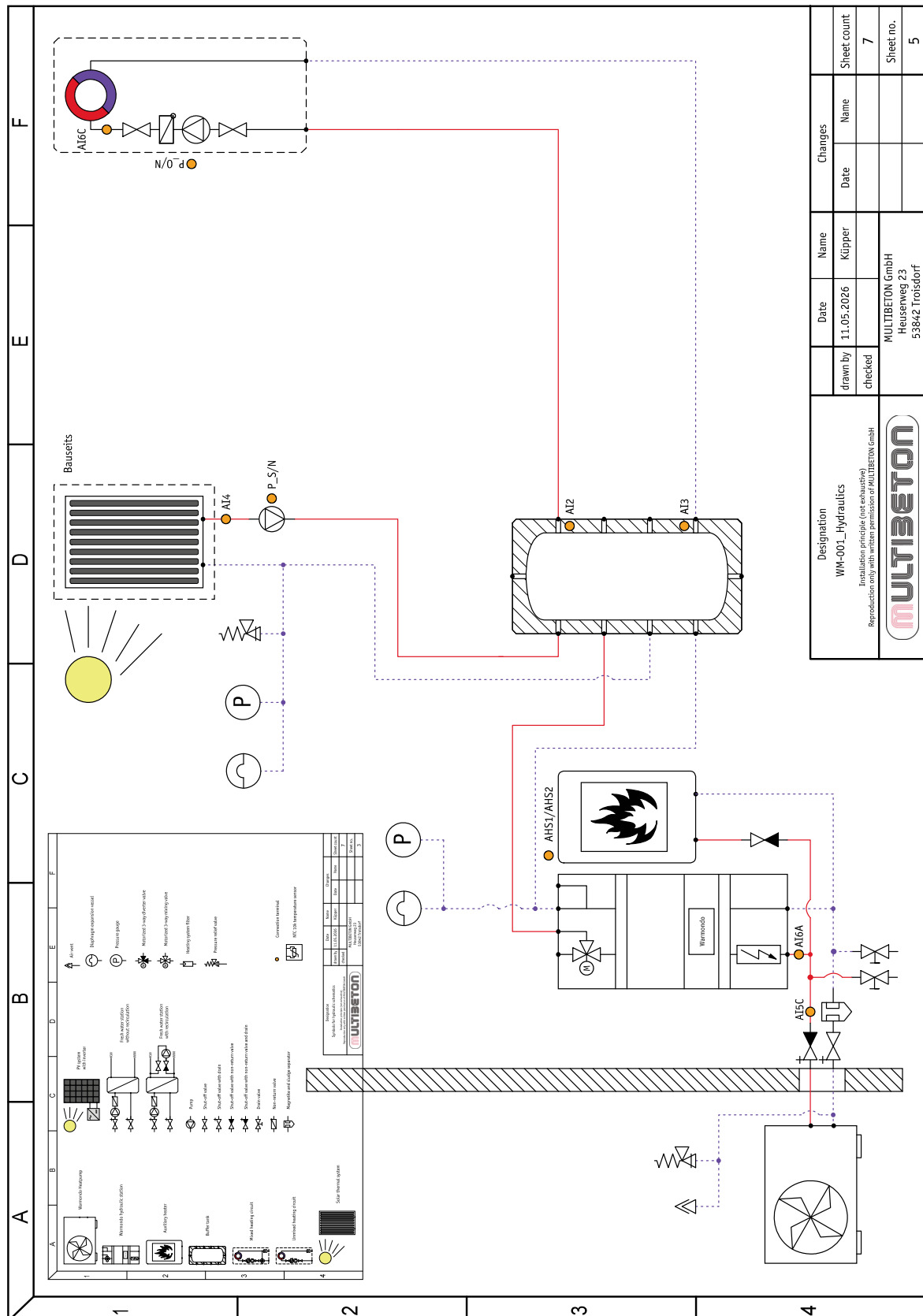
To achieve maximum comfort with minimal energy consumption using the Warmondo heat pump, the following points should be observed:

- Choose heating systems that allow the heat pump to operate at the lowest possible temperature while still providing sufficient heat.
- Ensure that the appropriate weather-dependent heating curve is selected, one that corresponds to the installation environment (building structure, climate, etc.) and the end user's needs.
- Connecting a room thermostat (provided by the user) to the heating system prevents overheating by switching off the outdoor unit and the circulation pump as soon as the room temperature exceeds the thermostat's set value.

3.1.1. A mixed heating circuit without domestic hot water

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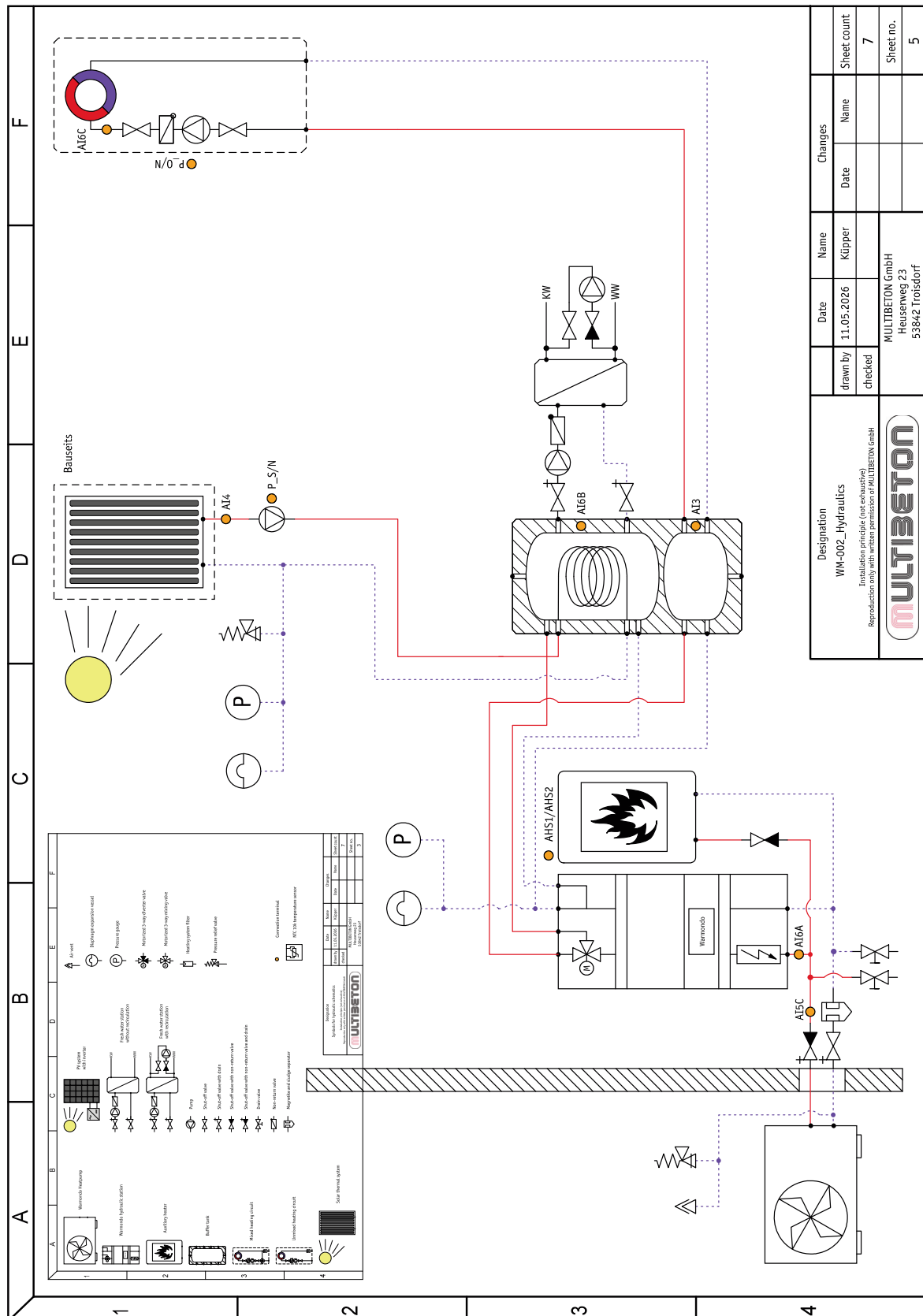
3.1.2. A mixed heating circuit without domestic hot water



3.2.1. A mixed heating circuit with domestic hot water

A	B	C	D	E	F
IMPORTANT:					
1	- Relevant technical rules and local regulations must be observed. - The heat pump system must be operated with properly treated water in accordance with recognised industry standards (e.g. VDI 2035). - No automatic air vents and/or safety valves are to be installed in the building (the safety valve is integrated in the outdoor unit). - The dew point must be taken into account during active cooling operation.				
2	- The regulations and requirements of the local utility provider must be observed. - The heat pump system must be operated with a type B residual current device (RCD). - The heat pump system must be properly earthed in accordance with applicable regulations. - The electrical protection is shown schematically in this document using a single-pole circuit breaker. The WM-L and WM-XL units must be protected with a three-phase (3~) supply. The relevant current consumption must be taken from the respective technical documentation. The sizing and selection of protective devices must be carried out in accordance with currently applicable standards, regulations, and recognised engineering practices.				
3	- The fresh water station is controlled by its integrated controller. - A minimum domestic hot water storage volume of 300 litres must be provided. - The tapping capacity of the fresh water station must be considered. - The domestic hot water temperatures of the fresh water station at low supply temperatures must be considered. - Operation of a fresh water station may require additional electrical connections. A buffer volume of at least 10 litres per kW of heat pump output must be provided, with a minimum total volume of 100 litres. - The temperature sensors for the heating buffer tank (A12 and A13) will be enabled by the manufacturer's service department via remote support. Please create a service ticket or contact them by phone for this purpose. - The Smart Grid function for utilising PV surplus is configured by the manufacturer's service department via remote access. Please open a service ticket or contact them by phone to arrange configuration. - The Smart Grid function for power limitation by the utility provider is configured by the manufacturer's service department via remote access. Please open a service ticket or contact them by phone to arrange configuration.				
4	Hydraulic scheme configuration ☐ Buffer tank ☐ Multi-buffer tank ☒ 2-buffer tank ☐ 3-buffer tank ☐ 4-buffer tank ☐ 5-buffer tank ☐ 6-buffer tank ☐ 7-buffer tank ☐ 8-buffer tank ☐ 9-buffer tank ☐ 10-buffer tank ☐ 11-buffer tank ☐ 12-buffer tank ☐ 13-buffer tank ☐ 14-buffer tank ☐ 15-buffer tank ☐ 16-buffer tank ☐ 17-buffer tank ☐ 18-buffer tank ☐ 19-buffer tank ☐ 20-buffer tank ☐ 21-buffer tank ☐ 22-buffer tank ☐ 23-buffer tank ☐ 24-buffer tank ☐ 25-buffer tank ☐ 26-buffer tank ☐ 27-buffer tank ☐ 28-buffer tank ☐ 29-buffer tank ☐ 30-buffer tank ☐ 31-buffer tank ☐ 32-buffer tank ☐ 33-buffer tank ☐ 34-buffer tank ☐ 35-buffer tank ☐ 36-buffer tank ☐ 37-buffer tank ☐ 38-buffer tank ☐ 39-buffer tank ☐ 40-buffer tank ☐ 41-buffer tank ☐ 42-buffer tank ☐ 43-buffer tank ☐ 44-buffer tank ☐ 45-buffer tank ☐ 46-buffer tank ☐ 47-buffer tank ☐ 48-buffer tank ☐ 49-buffer tank ☐ 50-buffer tank ☐ 51-buffer tank ☐ 52-buffer tank ☐ 53-buffer tank ☐ 54-buffer tank ☐ 55-buffer tank ☐ 56-buffer tank ☐ 57-buffer tank ☐ 58-buffer tank ☐ 59-buffer tank ☐ 60-buffer tank ☐ 61-buffer tank ☐ 62-buffer tank ☐ 63-buffer tank ☐ 64-buffer tank ☐ 65-buffer tank ☐ 66-buffer tank ☐ 67-buffer tank ☐ 68-buffer tank ☐ 69-buffer tank ☐ 70-buffer tank ☐ 71-buffer tank ☐ 72-buffer tank ☐ 73-buffer tank ☐ 74-buffer tank ☐ 75-buffer tank ☐ 76-buffer tank ☐ 77-buffer tank ☐ 78-buffer tank ☐ 79-buffer tank ☐ 80-buffer tank ☐ 81-buffer tank ☐ 82-buffer tank ☐ 83-buffer tank ☐ 84-buffer tank ☐ 85-buffer tank ☐ 86-buffer tank ☐ 87-buffer tank ☐ 88-buffer tank ☐ 89-buffer tank ☐ 90-buffer tank ☐ 91-buffer tank ☐ 92-buffer tank ☐ 93-buffer tank ☐ 94-buffer tank ☐ 95-buffer tank ☐ 96-buffer tank ☐ 97-buffer tank ☐ 98-buffer tank ☐ 99-buffer tank ☐ 100-buffer tank ☐ 101-buffer tank ☐ 102-buffer tank ☐ 103-buffer tank ☐ 104-buffer tank ☐ 105-buffer tank ☐ 106-buffer tank ☐ 107-buffer tank ☐ 108-buffer tank ☐ 109-buffer tank ☐ 110-buffer tank ☐ 111-buffer tank ☐ 112-buffer tank ☐ 113-buffer tank ☐ 114-buffer tank ☐ 115-buffer tank ☐ 116-buffer tank ☐ 117-buffer tank ☐ 118-buffer tank ☐ 119-buffer tank ☐ 120-buffer tank ☐ 121-buffer tank ☐ 122-buffer tank ☐ 123-buffer tank ☐ 124-buffer tank ☐ 125-buffer tank ☐ 126-buffer tank ☐ 127-buffer tank ☐ 128-buffer tank ☐ 129-buffer tank ☐ 130-buffer tank ☐ 131-buffer tank ☐ 132-buffer tank ☐ 133-buffer tank ☐ 134-buffer tank ☐ 135-buffer tank ☐ 136-buffer tank ☐ 137-buffer tank ☐ 138-buffer tank ☐ 139-buffer tank ☐ 140-buffer tank ☐ 141-buffer tank ☐ 142-buffer tank ☐ 143-buffer tank ☐ 144-buffer tank ☐ 145-buffer tank ☐ 146-buffer tank ☐ 147-buffer tank ☐ 148-buffer tank ☐ 149-buffer tank ☐ 150-buffer tank ☐ 151-buffer tank ☐ 152-buffer tank ☐ 153-buffer tank ☐ 154-buffer tank ☐ 155-buffer tank ☐ 156-buffer tank ☐ 157-buffer tank ☐ 158-buffer tank ☐ 159-buffer tank ☐ 160-buffer tank ☐ 161-buffer tank ☐ 162-buffer tank ☐ 163-buffer tank ☐ 164-buffer tank ☐ 165-buffer tank ☐ 166-buffer tank ☐ 167-buffer tank ☐ 168-buffer tank ☐ 169-buffer tank ☐ 170-buffer tank ☐ 171-buffer tank ☐ 172-buffer tank ☐ 173-buffer tank ☐ 174-buffer tank ☐ 175-buffer tank ☐ 176-buffer tank ☐ 177-buffer tank ☐ 178-buffer tank ☐ 179-buffer tank ☐ 180-buffer tank ☐ 181-buffer tank ☐ 182-buffer tank ☐ 183-buffer tank ☐ 184-buffer tank ☐ 185-buffer tank ☐ 186-buffer tank ☐ 187-buffer tank ☐ 188-buffer tank ☐ 189-buffer tank ☐ 190-buffer tank ☐ 191-buffer tank ☐ 192-buffer tank ☐ 193-buffer tank ☐ 194-buffer tank ☐ 195-buffer tank ☐ 196-buffer tank ☐ 197-buffer tank ☐ 198-buffer tank ☐ 199-buffer tank ☐ 200-buffer tank ☐ 201-buffer tank ☐ 202-buffer tank ☐ 203-buffer tank ☐ 204-buffer tank ☐ 205-buffer tank ☐ 206-buffer tank ☐ 207-buffer tank ☐ 208-buffer				

3.2.2. A mixed heating circuit with domestic hot water

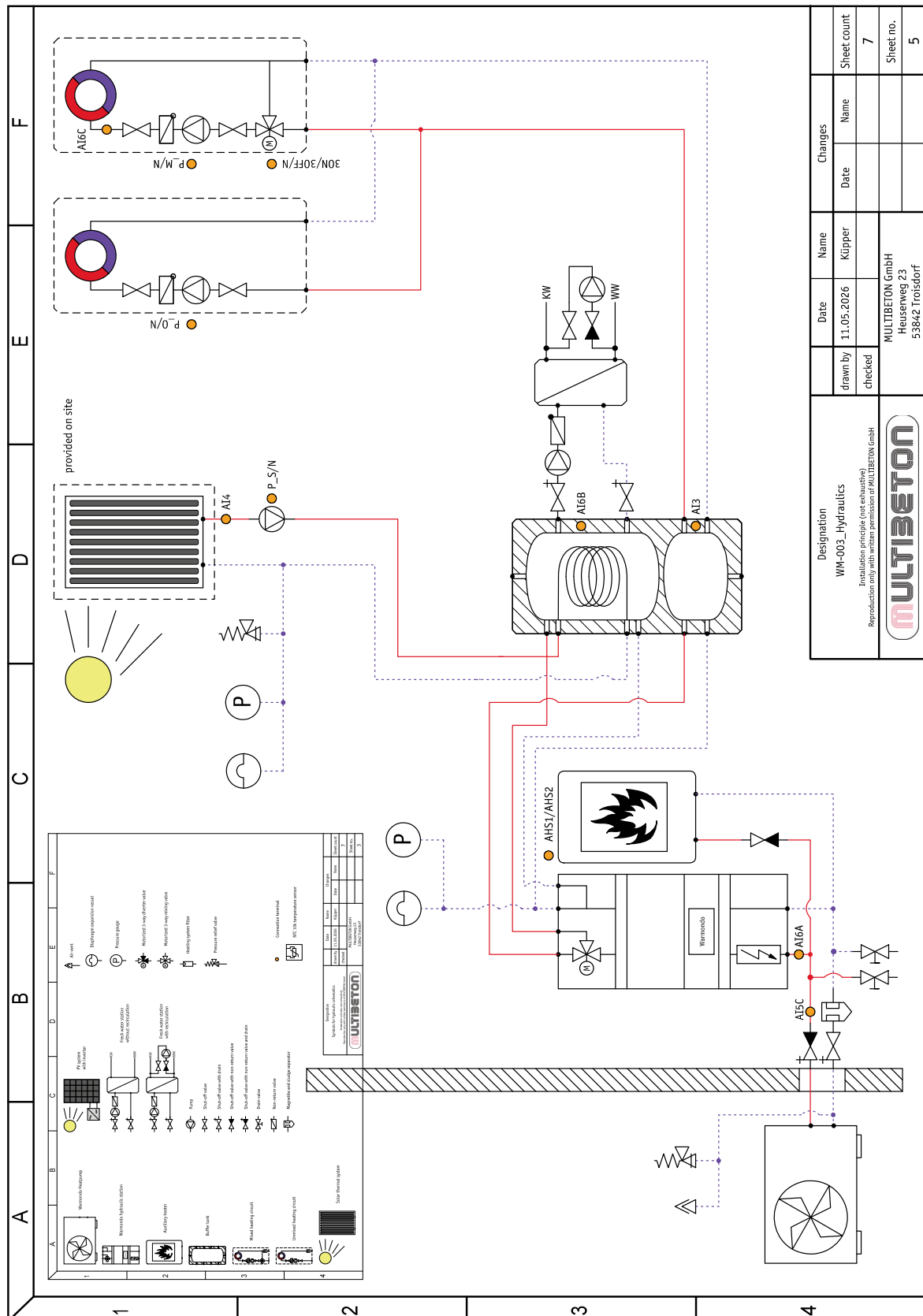


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3.3.1. Two mixed heating circuits with domestic hot water

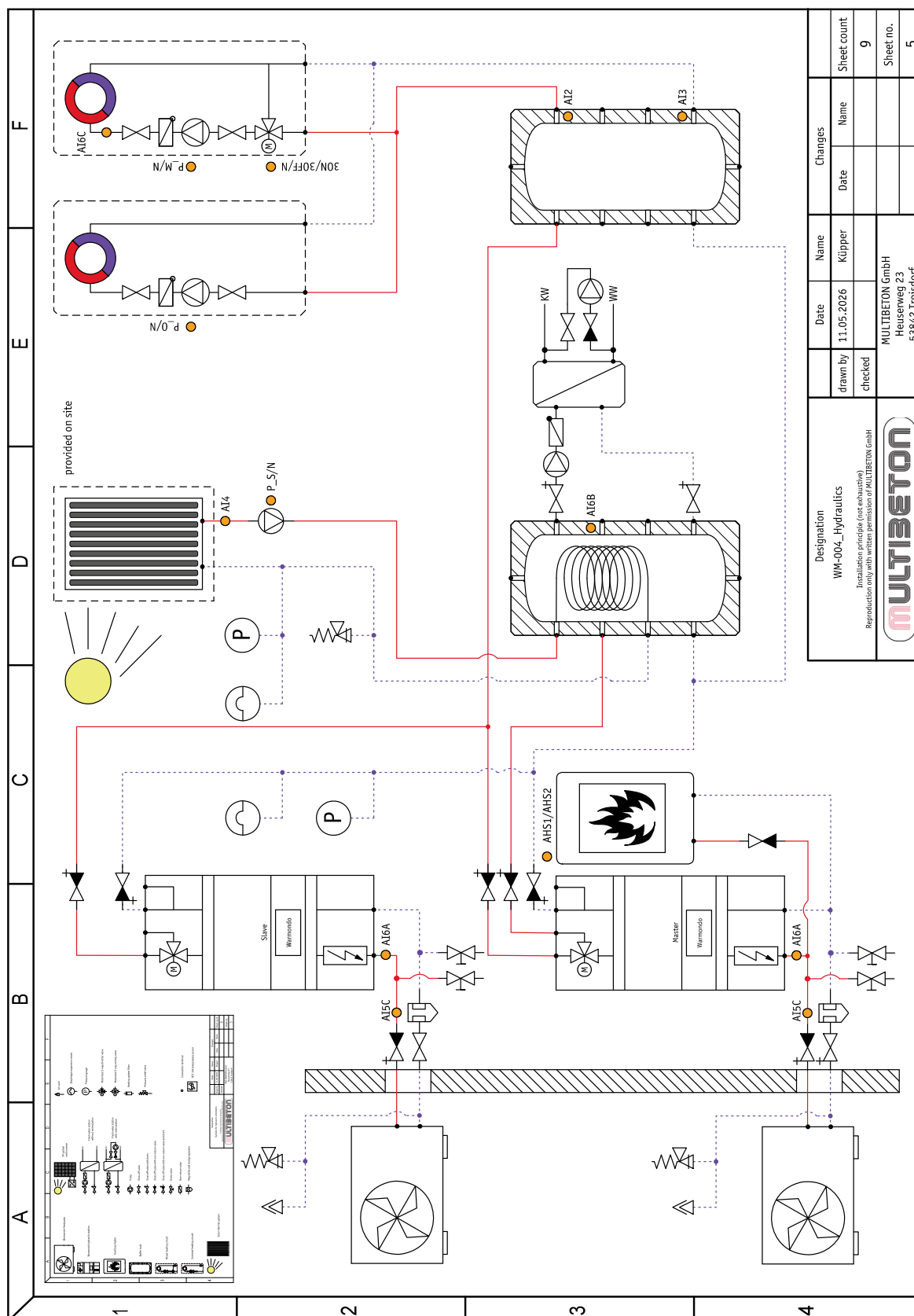
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3.3.2. Two mixed heating circuits with domestic hot water



A	B	C	D	E	F																																																																																																																																																																																																																																																																																																																										
IMPORTANT: - Relevant technical rules and local regulations must be observed. - The heat pump system must be operated with properly treated water in accordance with recognised industry standards (e.g. VDI 2035). - No automatic air vents and/or safety valves are to be installed in the building (the safety valve is integrated in the outdoor unit). - The dew point must be taken into account during active cooling operation. - The regulations and requirements of the local utility provider must be observed. - The heat pump system must be operated with a type B residual current device (RCD). - The heat pump system must be properly earthed in accordance with applicable regulations. - The electrical protection is shown schematically in this document using a single-pole circuit breaker. The WM-L and WM-XL units must be protected with a three-phase (3~) supply. - The relevant current consumption must be taken from the respective technical documentation. - The sizing and selection of protective devices must be carried out in accordance with currently applicable standards, regulations, and recognised engineering practices. - The fresh water station is controlled by its integrated controller. - A minimum domestic hot water storage volume of 300 litres must be provided. - The tapping capacity of the fresh water station must be considered. - Please note the tap temperatures at the fresh water station when flow temperatures are low - The domestic hot water temperatures of the fresh water station at low supply temperatures must be considered. - The number of heat pumps assigned to domestic hot water generation is configured by the manufacturer's service department via remote access. Please open a service ticket or contact them by phone to arrange configuration. - A buffer volume of at least 10 litres per kW of heat pump output must be provided, with a minimum total volume of 100 litres. - The temperature sensors are connected only to the lead heat pump (primary unit). The subordinate units receive the values from the primary unit. - The bus addresses of the individual heat pumps are assigned by the manufacturer's service department via remote access. Please open a service ticket or contact them by phone to arrange assignment. - The temperature sensors for the heating buffer tank (A12 and A13) will be enabled by the manufacturer's service department via remote support. Please create a service ticket or contact them by phone for this purpose. - The Smart Grid function for utilising PV surplus is configured by the manufacturer's service department via remote access. Please open a service ticket or contact them by phone to arrange configuration. - The Smart Grid function for power limitation by the utility provider is configured by the manufacturer's service department via remote access. Please open a service ticket or contact them by phone to arrange configuration.																																																																																																																																																																																																																																																																																																																															
1 2 3 <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="10">Hydronic system data</th> </tr> <tr> <th colspan="10">Basic configuration</th> </tr> <tr> <td colspan="2">Parameter 001 - Heating source</td> <td colspan="2">Parameter 002 - (over the desired area)</td> <td colspan="2">Parameter 003 - (over the desired area)</td> <td colspan="2">Parameter 004 - (over the desired area)</td> <td colspan="2">Parameter 005 - (over the desired area)</td> </tr> <tr> <td colspan="2">Parameter 006 - (over the desired area)</td> <td colspan="2">Parameter 007 - (over the desired area)</td> <td colspan="2">Parameter 008 - (over the desired area)</td> <td colspan="2">Parameter 009 - (over the desired area)</td> <td colspan="2">Parameter 010 - (over the desired area)</td> </tr> <tr> <td colspan="2">Parameter 011 - (over the desired area)</td> <td colspan="2">Parameter 012 - (over the desired area)</td> <td colspan="2">Parameter 013 - (over the desired area)</td> <td colspan="2">Parameter 014 - 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3.4.2. Cascade



4. Specifications

4.1. Performance Data

Warmondo heat pumps		WM-S	WM-M	WM-L	WM-XL
Heating A7W35	Rated heating capacity	5,730	8,020	10,700	13,850
	Power consumption	1,160	1,710	2,220	2,940
	COP	4.93	4.70	4.82	4.72
Heating A7W45	Rated heating capacity	5,540	7,860	10,180	13,370
	Power consumption	1,440	2,110	2,660	3,570
	COP	3.84	3.73	3.83	3.75
Heating A7W55	Rated heating capacity	5,350	7,710	10,030	13,000
	Power consumption	1,750	2,440	3,100	4,110
	COP	3.06	3.16	3.24	3.17
Heating A2W35	Rated heating capacity	5,430	7,560	10,520	13,090
	Power consumption	1,310	1,910	2,590	3,300
	COP	4.13	3.96	4.06	3.97
Heating A2W45	Rated heating capacity	5,290	7,440	10,010	12,610
	Power consumption	1,580	2,300	3,000	3,880
	COP	3.35	3.24	3.32	3.25
Heating A2W55	Rated heating capacity	5,150	7,320	9,860	12,240
	Power consumption	1,940	1,680	3,520	4,470
	COP	2.65	2.73	2.80	2.74
Heating A-7W35	Rated heating capacity	5,170	7,210	10,040	12,350
	Power consumption	1,630	3,040	3,250	4,080
	COP	3.17	2.37	3.09	3.03
Heating A-7W45	Rated heating capacity	5,100	7,100	9,750	11,870
	Power consumption	1,880	2,610	3,650	4,540
	COP	2.72	2.73	2.67	2.62
Heating A-7W55	Rated heating capacity	5,020	6,990	9,550	11,500
	Power consumption	2,250	2,240	4,160	5,110
	COP	2.23	3.12	2.3	2.25
Cooling A35W15	Rated heating capacity	5,400	7,640	10,000	12,910
	Power consumption	1,490	2,070	2,840	3,560
	EER	3.62	3.69	3.52	3.63
Cooling A35W15	Rated heating capacity	4,910	6,960	9,520	11,740
	Power consumption	1,600	2,230	3,200	3,820
	EER	3.07	3.12	2.98	3.07

4.2. Electrical data

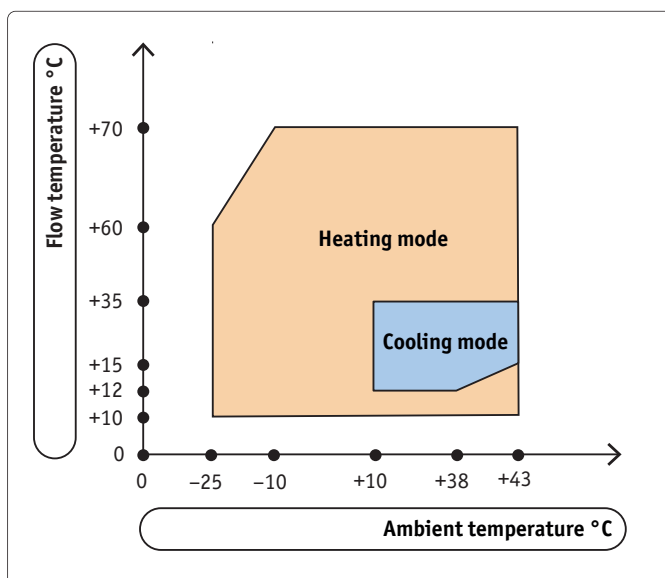
4.2.1. Warmondo heat pumps

Model	Heat pump Performance	Heat pump U_{min} (V)	Heat pump U_{max} (V)	Heat pump I_{ges} (A)	Compressor I_n (A)	Fan P_n (kW)	Fan I_n (A)
WM-S	230 V/50 Hz	198	264	14.3	5.7	0.15	0.48
WM-M	230 V/50 Hz	198	264	19.8	7.5	0.15	0.48
WM-L	380 V/3N/50 Hz	342	456	8.3	10.3	0.20	0.65
WM-XL	380 V/3N/50 Hz	342	456	8.9	10.3	0.20	0.65

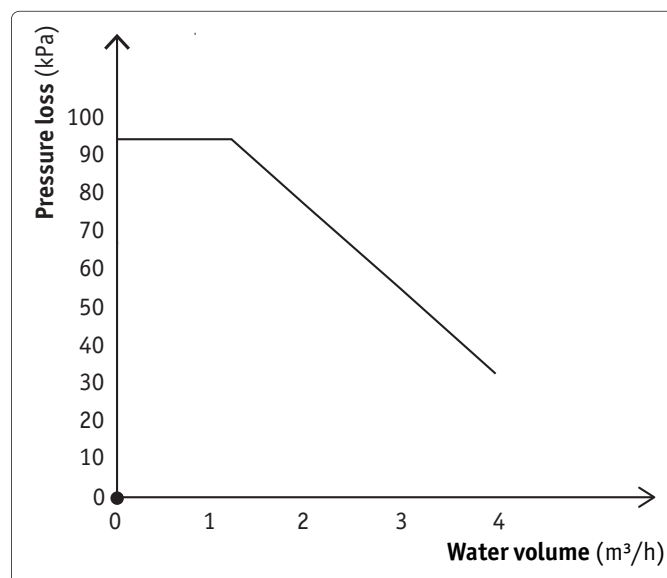
4.2.2. Warmondo hydraulic station

Integrated electric heating element	Voltage	Switch-off current	Class
9 kW	400 V	5 mA	3N ~ 400 V, 3 x 2,000 W 3N ~ 400 V, 3 x 1,000 W

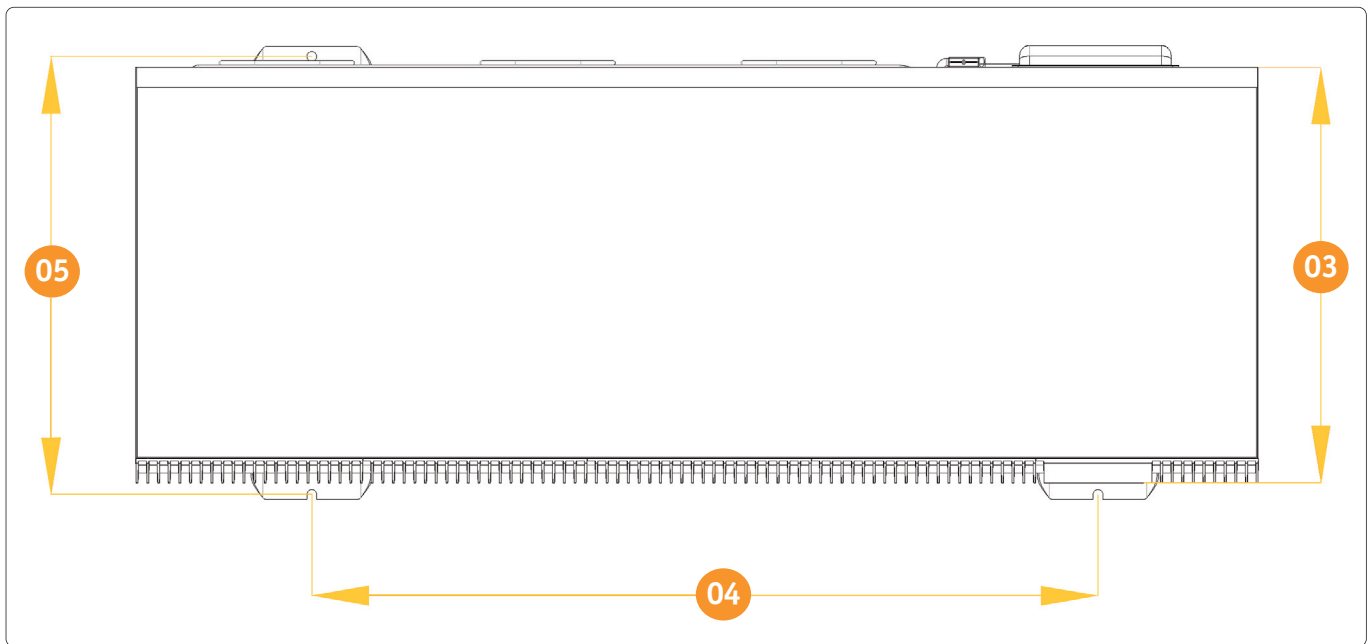
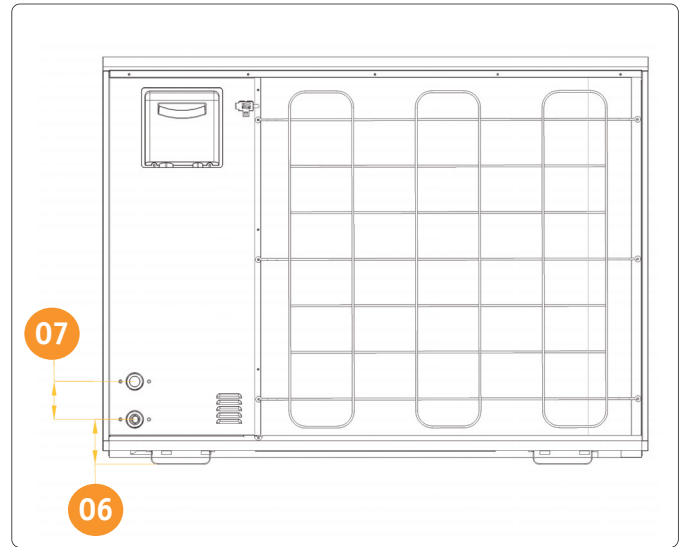
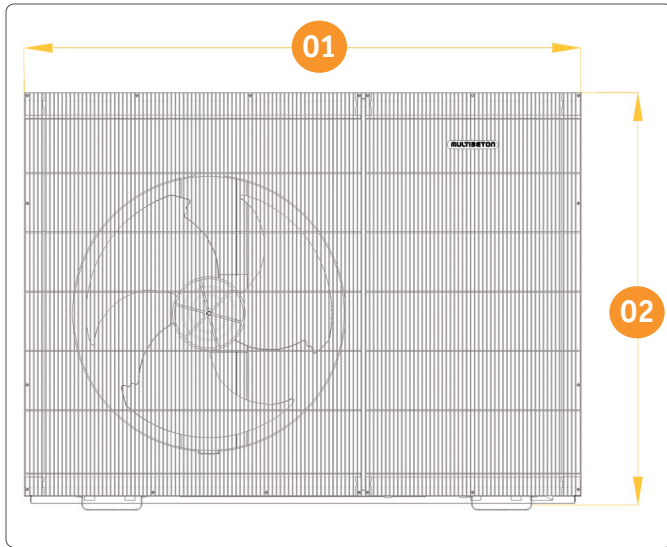
4.3. Operational areas



4.4. Volume flow



4.5. Dimensions


Model

	01	02	03	04	05	06	07
WM-S	1,102 mm	1,021 mm	557 mm	706 mm	537 mm	112 mm	95 mm
WM-M	1,102 mm	1,021 mm	557 mm	706 mm	537 mm	112 mm	95 mm
WM-L	1,377 mm	1,021 mm	557 mm	964 mm	537 mm	112 mm	95 mm
WM-XL	1,377 mm	1,021 mm	557 mm	964 mm	537 mm	112 mm	95 mm

5. Heating and cooling capacity

5.1.1. Heat capacity Warmondo WM-S (6 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
20	-25	3.56	2.16	1.65	3.56	2.16	1.65	2.68	2.48	1.08	1.76	2.79	0.63	1.42	3.3	0.43	1.42	3.3	0.43
	-20	4.34	2.66	1.63	4.34	2.66	1.63	3.26	3.06	1.07	2.15	3.32	0.65	1.74	4.07	0.43	1.74	4.07	0.43
	-15	4.93	3.06	1.61	4.93	3.06	1.61	3.71	3.52	1.05	2.44	3.81	0.64	1.97	4.68	0.42	1.97	4.68	0.42
	-10	5.8	3.34	1.74	5.27	3.49	1.51	3.96	3.82	1.04	2.61	4.14	0.63	2.11	4.26	0.49	2.11	4.26	0.49
	-7	5.97	3.79	1.58	5.43	3.96	1.37	4.08	4.34	0.94	2.69	4.7	0.57	2.41	5.05	0.48	2.41	5.05	0.48
	0	6.12	4.58	1.33	5.56	4.79	1.16	4.18	5.24	0.8	2.75	5.69	0.48	2.61	5.94	0.44	2.61	5.94	0.44
	2	6.37	5.33	1.2	5.79	5.57	1.04	4.35	6.09	0.71	2.87	6.61	0.43	2.87	6.61	0.43	2.87	6.61	0.43
	5	6.53	5.92	1.1	5.94	6.19	0.96	4.47	6.77	0.66	2.94	7.34	0.4	2.94	7.34	0.4	2.94	7.34	0.4
	7	6.68	6.24	1.07	6.07	6.53	0.93	4.56	7.14	0.64	3	7.74	0.39	3	7.74	0.39	3	7.74	0.39
	10	6.86	6.71	1.02	6.24	7.01	0.89	4.69	7.67	0.61	3.09	8.32	0.37	3.09	8.32	0.37	3.09	8.32	0.37
	15	7.1	7.17	0.99	6.45	7.5	0.86	4.85	8.21	0.59	3.19	8.9	0.36	3.19	8.9	0.36	3.19	8.9	0.36
	20	7.37	7.82	0.94	6.7	8.17	0.82	5.04	8.94	0.56	3.32	9.69	0.34	3.32	9.69	0.34	3.32	9.69	0.34
	25	7.62	8.84	0.86	6.93	9.24	0.75	5.21	10.11	0.52	3.43	10.88	0.32	3.43	10.88	0.32	3.43	10.88	0.32
	30	7.87	9.63	0.82	7.15	10.07	0.71	5.38	11.02	0.49	3.54	12.01	0.29	3.54	12.01	0.29	3.54	12.01	0.29
	35	8.1	10.35	0.78	7.36	10.82	0.68	5.53	11.84	0.47	3.64	12.91	0.28	3.64	12.91	0.28	3.64	12.91	0.28
	40	8.32	10.96	0.76	7.56	11.45	0.66	5.69	12.53	0.45	3.74	13.66	0.27	3.74	13.66	0.27	3.74	13.66	0.27
	45	8.53	11.4	0.75	7.75	11.92	0.65	5.83	13.04	0.45	3.84	14.22	0.27	3.84	14.22	0.27	3.84	14.22	0.27
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
25	-25	3.41	1.98	1.72	3.41	1.98	1.72	2.56	2.28	1.13	1.69	2.56	0.66	1.36	3.03	0.45	1.36	3.03	0.45
	-20	4.18	2.44	1.71	4.18	2.44	1.71	3.14	2.81	1.12	2.07	3.05	0.68	1.67	3.74	0.45	1.67	3.74	0.45
	-15	4.8	2.86	1.68	4.8	2.86	1.68	3.61	3.28	1.1	2.38	3.56	0.67	1.92	4.37	0.44	1.92	4.37	0.44
	-10	5.71	3.12	1.83	5.19	3.26	1.59	3.9	3.57	1.09	2.57	3.87	0.66	2.08	3.99	0.52	2.08	3.99	0.52
	-7	5.87	3.5	1.68	5.34	3.66	1.46	4.02	4	1	2.64	4.34	0.61	2.37	4.66	0.51	2.37	4.66	0.51
	0	6.02	4.22	1.43	5.47	4.41	1.24	4.11	4.83	0.85	2.71	5.23	0.52	2.57	5.47	0.47	2.57	5.47	0.47
	2	6.24	4.89	1.28	5.67	5.11	1.11	4.26	5.59	0.76	2.81	6.06	0.46	2.81	6.06	0.46	2.81	6.06	0.46
	5	6.4	5.3	1.21	5.82	5.54	1.05	4.38	6.06	0.72	2.88	6.58	0.44	2.88	6.58	0.44	2.88	6.58	0.44
	7	6.53	5.68	1.15	5.94	5.94	1	4.47	6.5	0.69	2.94	7.05	0.42	2.94	7.05	0.42	2.94	7.05	0.42
	10	6.73	6.1	1.1	6.12	6.38	0.96	4.6	6.97	0.66	3.03	7.56	0.4	3.03	7.56	0.4	3.03	7.56	0.4
	15	6.96	6.58	1.06	6.33	6.88	0.92	4.76	7.53	0.63	3.13	8.16	0.38	3.13	8.16	0.38	3.13	8.16	0.38
	20	7.22	7.21	1	6.56	7.54	0.87	4.93	8.25	0.6	3.25	8.95	0.36	3.25	8.95	0.36	3.25	8.95	0.36
	25	7.46	8.11	0.92	6.78	8.48	0.8	5.1	9.27	0.55	3.36	9.98	0.34	3.36	9.98	0.34	3.36	9.98	0.34
	30	7.69	8.91	0.86	6.99	9.32	0.75	5.26	10.2	0.52	3.46	11.12	0.31	3.46	11.12	0.31	3.46	11.12	0.31
	35	7.9	9.67	0.82	7.18	10.11	0.71	5.4	11.06	0.49	3.55	12.06	0.29	3.55	12.06	0.29	3.55	12.06	0.29
	40	8.13	10.1	0.81	7.39	10.56	0.7	5.56	11.55	0.48	3.66	12.59	0.29	3.66	12.59	0.29	3.66	12.59	0.29
	45	8.35	10.37	0.81	7.59	10.84	0.7	5.71	11.86	0.48	3.76	12.94	0.29	3.76	12.94	0.29	3.76	12.94	0.29
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
30	-25	3.26	1.83	1.78	3.26	1.83	1.78	2.45	2.1	1.17	1.61	2.37	0.68	1.3	2.8	0.47	1.3	2.8	0.47
	-20	4.02	2.27	1.77	4.02	2.27	1.77	3.02	2.61	1.16	1.99	2.83	0.7	1.61	3.47	0.46	1.61	3.47	0.46
	-15	4.68	2.71	1.73	4.68	2.71	1.73	3.52	3.11	1.13	2.32	3.37	0.69	1.87	4.13	0.45	1.87	4.13	0.45
	-10	5.63	2.93	1.92	5.12	3.07	1.67	3.85	3.35	1.15	2.53	3.64	0.7	2.05	3.75	0.55	2.05	3.75	0.55
	-7	5.79	3.25	1.78	5.26	3.39	1.55	3.96	3.71	1.07	2.6	4.03	0.65	2.33	4.32	0.54	2.33	4.32	0.54
	0	5.93	3.85	1.54	5.39	4.02	1.34	4.05	4.4	0.92	2.67	4.77	0.56	2.53	4.99	0.51	2.53	4.99	0.51
	2	6.11	4.39	1.39	5.55	4.59	1.21	4.17	5.02	0.83	2.75	5.44	0.5	2.75	5.44	0.5	2.75	5.44	0.5
	5	6.26	4.77	1.31	5.69	4.99	1.14	4.28	5.46	0.78	2.82	5.92	0.48	2.82	5.92	0.48	2.82	5.92	0.48
	7	6.4	5.11	1.25	5.82	5.34	1.09	4.38	5.84	0.75	2.88	6.34	0.45	2.88	6.34	0.45	2.88	6.34	0.45
	10	6.6	5.52	1.2	6	5.77	1.04	4.51	6.31	0.71	2.97	6.85	0.43	2.97	6.85	0.43	2.97	6.85	0.43
	15	6.82	5.93	1.15	6.2	6.2	1	4.66	6.78	0.69	3.07	7.36	0.42	3.07	7.36	0.42	3.07	7.36	0.42
	20	7.06	6.6	1.07	6.42	6.9	0.93	4.83	7.55	0.64	3.18	8.19	0.39	3.18	8.19	0.39	3.18	8.19	0.39
	25	7.3	7.47	0.98	6.64	7.81	0.85	4.99	8.55	0.58	3.29	9.2	0.36	3.29	9.2	0.36	3.29	9.2	0.36
	30	7.54	8.29	0.91	6.85	8.67	0.79	5.15	9.49	0.54	3.39	10.34	0.33	3.39	10.34	0.33	3.39	10.34	0.33
	35	7.74	8.75	0.89	7.04	9.14	0.77	5.29	10	0.53	3.48	10.91	0.32	3.48	10.91	0.32	3.48	10.91	0.32
	40	7.95	9.22	0.86	7.23	9.64	0.75	5.44	10.55	0.52	3.58	11.5	0.31	3.58	11.5	0.31	3.58	11.5	0.31
	45	8.16	9.59	0.85	7.42	10.03	0.74	5.58	10.97	0.51	3.67	11.96	0.31	3.67	11.96	0.31	3.67	11.96	0.31
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
35	-25	3.11	1.69	1.84	3.11	1.69	1.84	2.34	1.94	1.2	1.54	2.18	0.7	1.24	2.58	0.48	1.24	2.58	0.48
	-20	3.87	2.11	1.83	3.87	2.11	1.83	2.91	2.43	1.2	1.92	2.63	0.73	1.55	3.23	0.48	1.55	3.23	0.48
	-15	4.55	2.54	1.79	4.55	2.54	1.79	3.42	2.92	1.17	2.25	3.17	0.71	1.82	3.88	0.47	1.82	3.88	0.47
	-10	5.56	2.79	1.99	5.05	2.92	1.73	3.8	3.19	1.19	2.5	3.46	0.72	2.02	3.57	0.57	2.02	3.57	0.57
	-7	5.69	3.03	1.87	5.17	3.17	1.63	3.89	3.47	1.12	2.56	3.76	0.68	2.29	4.04	0.57	2.29	4.04	0.57
	0	5.83	3.5	1.67	5.3	3.66	1.45	3.99	4	1	2.62	4.34	0.6	2.49	4.53	0.55	2.49	4.53	0.55
	2	5.97	3.96	1.51	5.43	4.15	1.31	4.08	4.53	0.9	2.69	4.92	0.55	2.69	4.92	0.55	2.69	4.92	0.55
	5	6.17	4.36	1.41	5.61	4.56	1.23	4.22	4.99	0.85	2.78	5.41	0.51	2.78	5.41	0.51	2.78	5.41	0.51
	7	6.3	4.72	1.33	5.73	4.94	1.16	4.31	5.4	0.8	2.84	5.86	0.48	2.84	5.86	0.48	2.84	5.86	0.48
	10	6.47	4.98	1.3	5.88	5.2	1.13	4.42	5.69	0.78	2.91	6.17	0.47	2.91	6.17	0.47	2.91	6.17	0.47
	15	6.68	5.38	1.24	6.07	5.62	1.08	4.56	6.15	0.74	3	6.67	0.45	3	6.67	0.45	3	6.67	0.45

Heat capacity Warmondo WM-S (6 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
40	-25	3.02	1.54	1.96	3.02	1.54	1.96	2.27	1.77	1.28	1.49	1.99	0.75	1.21	2.35	0.51	1.21	2.35	0.51
	-20	3.8	1.96	1.94	3.8	1.96	1.94	2.86	2.25	1.27	1.88	2.44	0.77	1.52	2.99	0.51	1.52	2.99	0.51
	-15	4.48	2.36	1.9	4.48	2.36	1.9	3.37	2.71	1.24	2.22	2.94	0.75	1.79	3.6	0.5	1.79	3.6	0.5
	-10	5.5	2.57	2.14	5	2.69	1.86	3.76	2.94	1.28	2.48	3.19	0.78	2	3.28	0.61	2	3.28	0.61
	-7	5.65	2.79	2.02	5.14	2.92	1.76	3.87	3.2	1.21	2.54	3.47	0.73	2.28	3.72	0.61	2.28	3.72	0.61
	0	5.79	3.18	1.82	5.26	3.33	1.58	3.96	3.64	1.09	2.6	3.95	0.66	2.47	4.13	0.6	2.47	4.13	0.6
	2	5.92	3.55	1.67	5.38	3.71	1.45	4.05	4.06	1	2.66	4.4	0.6	2.66	4.4	0.6	2.66	4.4	0.6
	5	6.09	3.9	1.56	5.54	4.07	1.36	4.17	4.46	0.93	2.74	4.83	0.57	2.74	4.83	0.57	2.74	4.83	0.57
	7	6.24	4.14	1.51	5.67	4.33	1.31	4.26	4.74	0.9	2.81	5.14	0.55	2.81	5.14	0.55	2.81	5.14	0.55
	10	6.39	4.41	1.45	5.81	4.61	1.26	4.37	5.04	0.87	2.88	5.47	0.53	2.88	5.47	0.53	2.88	5.47	0.53
	15	6.61	4.75	1.39	6.01	4.97	1.21	4.52	5.43	0.83	2.97	5.89	0.5	2.97	5.89	0.5	2.97	5.89	0.5
	20	6.83	5.21	1.31	6.21	5.45	1.14	4.67	5.96	0.78	3.07	6.46	0.48	3.07	6.46	0.48	3.07	6.46	0.48
	25	7.01	5.86	1.2	6.37	6.13	1.04	4.79	6.7	0.71	3.15	7.21	0.44	3.15	7.21	0.44	3.15	7.21	0.44
	30	7.21	6.46	1.12	6.55	6.75	0.97	4.93	7.39	0.67	3.24	8.06	0.4	3.24	8.06	0.4	3.24	8.06	0.4
	35	7.39	6.91	1.07	6.72	7.23	0.93	5.05	7.91	0.64	3.33	8.62	0.39	3.33	8.62	0.39	3.33	8.62	0.39
	40	7.6	7.34	1.04	6.91	7.68	0.9	5.2	8.4	0.62	3.42	9.16	0.37	3.42	9.16	0.37	3.42	9.16	0.37
	45	7.83	7.65	1.02	7.12	8	0.89	5.35	8.75	0.61	3.52	9.54	0.37	3.52	9.54	0.37	3.52	9.54	0.37
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
45	-25	2.94	1.42	2.07	2.94	1.42	2.07	2.21	1.63	1.36	1.46	1.84	0.79	1.18	2.17	0.54	1.18	2.17	0.54
	-20	3.73	1.82	2.05	3.73	1.82	2.05	2.8	2.09	1.34	1.85	2.27	0.81	1.49	2.78	0.54	1.49	2.78	0.54
	-15	4.41	2.19	2.01	4.41	2.19	2.01	3.32	2.52	1.32	2.18	2.73	0.8	1.76	3.35	0.53	1.76	3.35	0.53
	-10	5.46	2.41	2.27	4.96	2.52	1.97	3.73	2.75	1.35	2.46	2.99	0.82	1.98	3.08	0.64	1.98	3.08	0.64
	-7	5.61	2.59	2.16	5.1	2.71	1.88	3.84	2.97	1.29	2.52	3.22	0.78	2.26	3.45	0.65	2.26	3.45	0.65
	0	5.72	2.91	1.97	5.2	3.04	1.71	3.91	3.33	1.18	2.57	3.61	0.71	2.44	3.77	0.65	2.44	3.77	0.65
	2	5.82	3.2	1.82	5.29	3.35	1.58	3.98	3.66	1.09	2.62	3.97	0.66	2.62	3.97	0.66	2.62	3.97	0.66
	5	5.96	3.46	1.73	5.42	3.61	1.5	4.08	3.95	1.03	2.68	4.29	0.63	2.68	4.29	0.63	2.68	4.29	0.63
	7	6.09	3.68	1.66	5.54	3.85	1.44	4.17	4.21	0.99	2.74	4.56	0.6	2.74	4.56	0.6	2.74	4.56	0.6
	10	6.26	3.92	1.6	5.69	4.09	1.39	4.28	4.48	0.96	2.82	4.86	0.58	2.82	4.86	0.58	2.82	4.86	0.58
	15	6.46	4.19	1.54	5.87	4.38	1.34	4.41	4.79	0.92	2.91	5.2	0.56	2.91	5.2	0.56	2.91	5.2	0.56
	20	6.66	4.59	1.45	6.05	4.8	1.26	4.55	5.25	0.87	2.99	5.7	0.53	2.99	5.7	0.53	2.99	5.7	0.53
	25	6.84	5.04	1.36	6.22	5.27	1.18	4.68	5.77	0.81	3.08	6.2	0.5	3.08	6.2	0.5	3.08	6.2	0.5
	30	7.03	5.51	1.28	6.39	5.76	1.11	4.81	6.3	0.76	3.16	6.87	0.46	3.16	6.87	0.46	3.16	6.87	0.46
	35	7.23	5.99	1.21	6.57	6.26	1.05	4.94	6.85	0.72	3.25	7.46	0.44	3.25	7.46	0.44	3.25	7.46	0.44
	40	7.44	6.4	1.16	6.76	6.69	1.01	5.08	7.32	0.69	3.35	7.98	0.42	3.35	7.98	0.42	3.35	7.98	0.42
	45	7.65	6.71	1.14	6.95	7.02	0.99	5.23	7.68	0.68	3.44	8.37	0.41	3.44	8.37	0.41	3.44	8.37	0.41
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
50	-25	2.85	1.31	2.18	2.85	1.31	2.18	2.14	1.5	1.43	1.41	1.69	0.84	1.14	2	0.57	1.14	2	0.57
	-20	3.66	1.7	2.16	3.66	1.7	2.16	2.75	1.95	1.41	1.81	2.11	0.86	1.46	2.59	0.56	1.46	2.59	0.56
	-15	4.35	2.06	2.12	4.35	2.06	2.12	3.27	2.36	1.38	2.15	2.56	0.84	1.74	3.14	0.55	1.74	3.14	0.55
	-10	5.41	2.27	2.38	4.92	2.37	2.07	3.7	2.6	1.43	2.44	2.82	0.87	1.97	2.9	0.68	1.97	2.9	0.68
	-7	5.57	2.43	2.29	5.06	2.54	1.99	3.81	2.78	1.37	2.5	3.02	0.83	2.24	3.24	0.69	2.24	3.24	0.69
	0	5.69	2.68	2.13	5.17	2.8	1.85	3.89	3.06	1.27	2.56	3.32	0.77	2.43	3.47	0.7	2.43	3.47	0.7
	2	5.78	2.93	1.97	5.25	3.07	1.71	3.95	3.35	1.18	2.6	3.64	0.71	2.6	3.64	0.71	2.6	3.64	0.71
	5	5.87	3.13	1.87	5.34	3.28	1.63	4.02	3.58	1.12	2.64	3.89	0.68	2.64	3.89	0.68	2.64	3.89	0.68
	7	6	3.3	1.82	5.45	3.45	1.58	4.1	3.77	1.09	2.7	4.09	0.66	2.7	4.09	0.66	2.7	4.09	0.66
	10	6.15	3.5	1.76	5.59	3.66	1.53	4.2	4	1.05	2.77	4.34	0.64	2.77	4.34	0.64	2.77	4.34	0.64
	15	6.33	3.77	1.68	5.75	3.94	1.46	4.32	4.31	1	2.85	4.67	0.61	2.85	4.67	0.61	2.85	4.67	0.61
	20	6.5	4.09	1.59	5.91	4.27	1.38	4.44	4.68	0.95	2.93	5.07	0.58	2.93	5.07	0.58	2.93	5.07	0.58
	25	6.69	4.5	1.49	6.08	4.7	1.29	4.57	5.14	0.89	3.01	5.53	0.54	3.01	5.53	0.54	3.01	5.53	0.54
	30	6.88	4.91	1.4	6.25	5.14	1.22	4.7	5.62	0.84	3.09	6.13	0.5	3.09	6.13	0.5	3.09	6.13	0.5
	35	7.06	5.3	1.33	6.42	5.54	1.16	4.83	6.06	0.8	3.18	6.61	0.48	3.18	6.61	0.48	3.18	6.61	0.48
	40	7.26	5.66	1.28	6.6	5.92	1.11	4.96	6.48	0.77	3.27	7.06	0.46	3.27	7.06	0.46	3.27	7.06	0.46
	45	7.47	5.99	1.25	6.79	6.26	1.08	5.11	6.85	0.75	3.36	7.47	0.45	3.36	7.47	0.45	3.36	7.47	0.45
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
55	-25	2.77	1.14	2.42	2.77	1.14	2.42	2.08	1.32	1.58	1.37	1.48	0.93	1.11	1.75	0.63	1.11	1.75	0.63
	-20	3.6	1.5	2.4	3.6	1.5	2.4	2.7	1.72	1.57	1.78	1.87	0.95	1.44	2.29	0.63	1.44	2.29	0.63
	-15	4.28	1.8	2.38	4.28	1.8	2.38	3.22	2.06	1.56	2.12	2.24	0.95	1.71	2.75	0.62	1.71	2.75	0.62
	-10	5.37	2	2.69	4.88	2.09	2.34	3.67	2.28	1.61	2.42	2.47	0.98	1.95	2.55	0.77	1.95	2.55	0.77
	-7	5.52	2.13	2.59	5.02	2.23	2.25	3.77	2.44	1.55	2.48	2.65	0.94	2.22	2.84	0.78	2.22	2.84	0.78
	0	5.58	2.29	2.44	5.07	2.39	2.12	3.81	2.62	1.46	2.51	2.84	0.88	2.38	2.96	0.8	2.38	2.96	0.8
	2	5.67	2.54	2.23	5.15	2.65	1.94	3.87	2.9	1.33	2.55	3.15	0.81	2.55	3.15	0.81	2.55	3.15	0.81
	5	5.75	2.7	2.13	5.23	2.83	1.85	3.93	3.09	1.27	2.59	3.35	0.77	2.59	3.35	0.77	2.59	3.35	0.77
	7	5.89	2.92	2.01	5.35	3.06	1.75	4.02	3.34	1.2	2.65	3.78	0.7	2.65	3.81	0.7	2.65	3.81	0.7
	10	6.02	3.11	1.93	5.47	3.26	1.68	4.11	3.56	1.15	2.71	3.92	0.69	2.71	3.92	0.69	2.71	3.92	0.69
	15	6.18	3.36	1.84	5.62	3.51	1.6	4.23	3.84	1.1	2.78	4.17	0.67	2.78	4.17	0.67	2.78	4.17	0.67
	20	6.34	3.6	1.76															

Heat capacity Warmondo WM-S (6 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
60	-25	2,34	1,04	2,25	2,34	1,04	2,25	1,76	1,19	1,47	1,16	1,34	0,86	0,94	1,59	0,59	0,94	1,59	0,59
	-20	2,99	1,34	2,23	2,99	1,34	2,23	2,25	1,54	1,46	1,48	1,67	0,89	1,2	2,05	0,58	1,2	2,05	0,58
	-15	3,51	1,6	2,2	3,51	1,6	2,2	2,64	1,83	1,44	1,74	1,99	0,87	1,4	2,44	0,58	1,4	2,44	0,58
	-10	4,33	1,74	2,48	3,94	1,82	2,16	2,96	2	1,48	1,95	2,16	0,9	1,58	2,23	0,71	1,58	2,23	0,71
	-7	4,7	1,95	2,4	4,27	2,04	2,09	3,21	2,24	1,44	2,11	2,42	0,87	1,89	2,6	0,73	1,89	2,6	0,73
	0	4,96	2,14	2,32	4,51	2,23	2,02	3,39	2,44	1,39	2,23	2,65	0,84	2,12	2,77	0,77	2,12	2,77	0,77
	2	5,17	2,32	2,23	4,7	2,42	1,94	3,53	2,65	1,33	2,33	2,87	0,81	2,33	2,87	0,81	2,33	2,87	0,81
	5	5,4	2,48	2,17	4,91	2,6	1,89	3,69	2,84	1,3	2,43	3,08	0,79	2,43	3,08	0,79	2,43	3,08	0,79
	7	5,59	2,61	2,14	5,08	2,73	1,86	3,82	2,99	1,28	2,51	3,24	0,78	2,51	3,24	0,78	2,51	3,24	0,78
	10	5,8	2,8	2,07	5,27	2,93	1,8	3,96	3,2	1,24	2,61	3,47	0,75	2,61	3,47	0,75	2,61	3,47	0,75
	15	6	3,03	1,98	5,45	3,17	1,72	4,1	3,47	1,18	2,7	3,76	0,72	2,7	3,76	0,72	2,7	3,76	0,72
	20	6,14	3,25	1,89	5,58	3,4	1,64	4,2	3,72	1,13	2,76	4,04	0,68	2,76	4,04	0,68	2,76	4,04	0,68
	25	6,24	3,48	1,79	5,67	3,63	1,56	4,26	3,98	1,07	2,81	4,28	0,66	2,81	4,28	0,66	2,81	4,28	0,66
	30	6,37	3,74	1,7	5,79	3,91	1,48	4,35	4,28	1,02	2,87	4,67	0,61	2,87	4,67	0,61	2,87	4,67	0,61
	35	6,51	4,02	1,62	5,92	4,2	1,41	4,45	4,59	0,97	2,93	5,01	0,59	2,93	5,01	0,59	2,93	5,01	0,59
	40	6,7	4,31	1,55	6,09	4,51	1,35	4,58	4,94	0,93	3,01	5,38	0,56	3,01	5,38	0,56	3,01	5,38	0,56
	45	6,88	4,63	1,48	6,25	4,84	1,29	4,7	5,3	0,89	3,09	5,78	0,54	3,09	5,78	0,54	3,09	5,78	0,54
65	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	2,74	1,32	2,08	2,74	1,32	2,08	2,06	1,51	1,36	1,36	1,64	0,83	1,1	2,01	0,54	1,1	2,01	0,54
	-10	3,45	1,46	2,37	3,14	1,52	2,06	2,36	1,67	1,42	1,55	1,81	0,86	1,26	1,86	0,67	1,26	1,86	0,67
	-7	3,88	1,66	2,35	3,53	1,73	2,04	2,65	1,89	1,4	1,75	2,05	0,85	1,56	2,2	0,71	1,56	2,2	0,71
	0	4,27	1,85	2,31	3,88	1,93	2,01	2,92	2,11	1,38	1,92	2,29	0,84	1,82	2,39	0,76	1,82	2,39	0,76
	2	4,57	2,03	2,25	4,15	2,12	1,96	3,12	2,32	1,35	2,05	2,51	0,82	2,05	2,51	0,82	2,05	2,51	0,82
	5	4,83	2,19	2,21	4,39	2,29	1,92	3,3	2,5	1,32	2,17	2,71	0,8	2,17	2,71	0,8	2,17	2,71	0,8
	7	5,08	2,34	2,17	4,62	2,44	1,89	3,47	2,67	1,3	2,29	2,9	0,79	2,29	2,9	0,79	2,29	2,9	0,79
	10	5,34	2,51	2,13	4,85	2,62	1,85	3,65	2,87	1,27	2,4	3,11	0,77	2,4	3,11	0,77	2,4	3,11	0,77
	15	5,54	2,69	2,06	5,04	2,82	1,79	3,79	3,08	1,23	2,49	3,34	0,75	2,49	3,34	0,75	2,49	3,34	0,75
	20	5,72	2,91	1,97	5,2	3,04	1,71	3,91	3,33	1,18	2,57	3,61	0,71	2,57	3,61	0,71	2,57	3,61	0,71
	25	5,84	3,12	1,87	5,31	3,26	1,63	3,99	3,56	1,12	2,63	3,83	0,69	2,63	3,83	0,69	2,63	3,83	0,69
	30	5,94	3,31	1,79	5,4	3,46	1,56	4,06	3,79	1,07	2,67	4,13	0,65	2,67	4,13	0,65	2,67	4,13	0,65
	35	6,09	3,56	1,71	5,54	3,72	1,49	4,17	4,07	1,02	2,74	4,44	0,62	2,74	4,44	0,62	2,74	4,44	0,62
	40	6,27	3,84	1,63	5,7	4,01	1,42	4,29	4,39	0,98	2,82	4,79	0,59	2,82	4,79	0,59	2,82	4,79	0,59
	45	6,44	4,14	1,55	5,85	4,33	1,35	4,4	4,74	0,93	2,9	5,17	0,56	2,9	5,17	0,56	2,9	5,17	0,56
70	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-10	2,77	1,12	2,47	2,52	1,17	2,15	1,9	1,28	1,48	1,25	1,39	0,9	1,01	1,43	0,7	1,01	1,43	0,7
	-7	3,32	1,36	2,45	3,02	1,42	2,13	2,27	1,55	1,46	1,49	1,68	0,89	1,34	1,81	0,74	1,34	1,81	0,74
	0	3,71	1,53	2,42	3,37	1,6	2,1	2,53	1,76	1,44	1,67	1,9	0,88	1,58	1,99	0,8	1,58	1,99	0,8
	2	4,05	1,72	2,36	3,68	1,8	2,05	2,77	1,96	1,41	1,82	2,13	0,86	1,82	2,13	0,86	1,82	2,13	0,86
	5	4,39	1,9	2,31	3,99	1,99	2,01	3	2,17	1,38	1,98	2,36	0,84	1,98	2,36	0,84	1,98	2,36	0,84
	7	4,65	2,05	2,27	4,23	2,15	1,97	3,18	2,35	1,35	2,09	2,55	0,82	2,09	2,55	0,82	2,09	2,55	0,82
	10	4,9	2,22	2,21	4,45	2,32	1,92	3,35	2,54	1,32	2,2	2,75	0,8	2,2	2,75	0,8	2,2	2,75	0,8
	15	5,09	2,38	2,14	4,63	2,49	1,86	3,48	2,72	1,28	2,29	2,95	0,78	2,29	2,95	0,78	2,29	2,95	0,78
	20	5,29	2,57	2,06	4,81	2,69	1,79	3,62	2,94	1,23	2,38	3,19	0,75	2,38	3,19	0,75	2,38	3,19	0,75
	25	5,42	2,76	1,97	4,93	2,88	1,71	3,71	3,15	1,18	2,44	3,39	0,72	2,44	3,39	0,72	2,44	3,39	0,72
	30	5,58	2,98	1,87	5,07	3,11	1,63	3,81	3,4	1,12	2,51	3,71	0,68	2,51	3,71	0,68	2,51	3,71	0,68
	35	5,7	3,18	1,79	5,18	3,32	1,56	3,9	3,63	1,07	2,56	3,96	0,65	2,56	3,96	0,65	2,56	3,96	0,65
	40	5,85	3,42	1,71	5,32	3,57	1,49	4	3,91	1,02	2,63	4,26	0,62	2,63	4,26	0,62	2,63	4,26	0,62
	45	6,03	3,72	1,62	5,48	3,89	1,41	4,12	4,25	0,97	2,71	4,64	0,59	2,71	4,64	0,59	2,71	4,64	0,59
75	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	0	3,32	1,31	2,53	3,02	1,37	2,2	2,27	1,5	1,51	1,49	1,63	0,92	1,42	1,7	0,83	1,42	1,7	0,83
	2	3,65	1,47	2,48	3,32	1,54	2,16	2,5	1,68	1,48	1,64	1,82	0,9	1,64	1,82	0,9	1,64	1,82	0,9
	5	3,99	1,64	2,44	3,63	1,71	2,12	2,73	1,87	1,46	1,8	2,03	0,88	1,8	2,03	0,88	1,8	2,03	0,88
	7	4,29	1,79	2,39	3,9	1,88	2,08	2,93	2,05	1,43	1,93	2,22	0,87	1,93	2,22	0,87	1,93	2,22	0,87
	10	4,55	1,95	2,33	4,14	2,04	2,03	3,11	2,23	1,4	2,05	2,42	0,85	2,05	2,42	0,85	2,05	2,42	0,85
	15	4,75	2,11	2,25	4,32	2,2	1,96	3,25	2,41	1,35	2,14	2,62	0,82	2,14	2,62	0,82	2,14	2,62	0,82
	20	4,95	2,29	2,16	4,5	2,39	1,88	3,38	2,62	1,29	2,23	2,84	0,78	2,23	2,84	0,78	2,23	2,84	0,78
	25	5,08	2,46	2,07	4,62	2,57	1,8	3,47	2,81	1,24	2,29	3,02	0,76	2,29	3,02	0,76	2,29	3,02	0,76
	30	5,24	2,65	1,98	4,76	2,77	1,72	3,58	3,03	1,18	2,36	3,3	0,71	2,36	3,3	0,71	2,36	3,3	0,71
	35	5,38	2,85	1,89	4,89	2,98	1,64	3,68	3,26	1,13	2,42	3,56	0,68	2,42	3,56	0,68	2,42	3,56	0,68
	40	5,56	3,08	1,81	5,05	3,22	1,57	3,8	3,52	1,08	2,5	3,84	0,65	2,5	3,84	0,65	2,5	3,84	0,65
	45	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

VT: Flow temperature

AT: Dry temperature for outdoor air temperature

WL: Heating capacity

COP: Coefficient of Performance

LA: Power consumption

5.1.2. Cooling capacity Warmondo WM-S (6 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
7	10	6,9	7,13	0,97	5,84	7,49	0,78	4,41	7,85	0,56	3,19	8,32	0,38	3,19	8,32	0,38	3,19	8,32	0,38
	20	6,64	5,13	1,29	5,69	5,39	1,06	4,3	5,65	0,76	2,85	5,99	0,48	2,85	5,99	0,48	2,85	5,99	0,48
	30	5,86	3,84	1,53	5,44	4,03	1,35	4,11	4,23	0,97	2,72	4,48	0,61	2,46	5,3	0,46	2,46	5,3	0,46
	35	4,91	3,07	1,6	4,91	3,07	1,6	3,71	3,31	1,12	2,46	3,84	0,64	2,21	4,33	0,51	2,21	4,33	0,51
	40	4,67	2,61	1,78	4,21	2,89	1,46	3,18	3,03	1,05	2,11	3,21	0,66	2,11	3,21	0,66	2,11	3,21	0,66
	45	4,04	2,34	1,72	3,54	2,59	1,37	2,67	2,72	0,98	1,91	2,88	0,66	1,91	2,88	0,66	1,91	2,88	0,66
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
15	10	7,52	8,27	0,91	6,37	8,69	0,73	4,81	9,11	0,53	3,47	9,65	0,36	3,47	9,65	0,36	3,47	9,65	0,36
	20	7,24	5,95	1,22	6,2	6,25	0,99	4,68	6,55	0,71	3,1	6,94	0,45	3,1	6,94	0,45	3,1	6,94	0,45
	30	6,39	4,45	1,43	5,93	4,67	1,27	4,48	4,9	0,91	2,96	5,19	0,57	2,68	6,15	0,44	2,68	6,15	0,44
	35	5,35	3,56	1,5	5,35	3,56	1,5	4,04	3,84	1,05	2,68	4,45	0,6	2,41	5,02	0,48	2,41	5,02	0,48
	40	5,09	3,03	1,68	4,59	3,35	1,37	3,46	3,51	0,99	2,29	3,72	0,62	2,29	3,72	0,62	2,29	3,72	0,62
	45	4,4	2,72	1,62	3,86	3	1,28	2,91	3,15	0,93	2,08	3,34	0,62	2,08	3,34	0,62	2,08	3,34	0,62
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
25	10	8,2	9,49	0,86	6,94	9,97	0,7	5,24	10,45	0,5	3,78	11,07	0,34	3,78	11,07	0,34	3,78	11,07	0,34
	20	7,89	6,83	1,15	6,76	7,17	0,94	5,1	7,52	0,68	3,38	7,97	0,42	3,38	7,97	0,42	3,38	7,97	0,42
	30	6,96	5,11	1,36	6,46	5,36	1,21	4,88	5,62	0,87	3,23	5,96	0,54	2,92	7,05	0,41	2,92	7,05	0,41
	35	5,83	4,08	1,43	5,83	4,08	1,43	4,4	4,41	1	2,92	5,11	0,57	2,63	5,76	0,46	2,63	5,76	0,46
	40	5,54	3,48	1,59	5	3,85	1,3	3,78	4,03	0,94	2,5	4,27	0,59	2,5	4,27	0,59	2,5	4,27	0,59
	45	4,79	3,12	1,54	4,21	3,45	1,22	3,18	3,61	0,88	2,27	3,83	0,59	2,27	3,83	0,59	2,27	3,83	0,59
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
35	10	8,94	11,12	0,8	7,56	11,68	0,65	5,71	12,25	0,47	4,13	12,98	0,32	4,13	12,98	0,32	4,13	12,98	0,32
	20	8,6	8	1,07	7,37	8,4	0,88	5,56	8,81	0,63	3,68	9,34	0,39	3,68	9,34	0,39	3,68	9,34	0,39
	30	7,59	5,98	1,27	7,04	6,28	1,12	5,32	6,59	0,81	3,52	6,98	0,5	3,19	8,27	0,39	3,19	8,27	0,39
	35	6,36	4,79	1,33	6,36	4,79	1,33	4,8	5,16	0,93	3,18	5,98	0,53	2,86	6,75	0,42	2,86	6,75	0,42
	40	6,04	4,08	1,48	5,45	4,51	1,21	4,12	4,73	0,87	2,73	5,01	0,54	2,73	5,01	0,54	2,73	5,01	0,54
	45	5,23	3,65	1,43	4,58	4,04	1,14	3,46	4,24	0,82	2,48	4,49	0,55	2,48	4,49	0,55	2,48	4,49	0,55

VT: Flow temperature
 AT: Dry temperature for outdoor air temperature
 KL: Cooling capacity
 EER: Energy Efficiency Ratio
 LA: Power consumption

5.2.1. Heat capacity Warmondo WM-M (9 kW)

VT	AT	Maximum			100% (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
20	-25	5.11	2.12	2.41	5.11	2.12	2.41	3.84	2.44	1.58	2.53	2.74	0.92	2.04	3.24	0.63	2.04	3.24	0.63
	-20	6.16	2.59	2.38	6.16	2.59	2.38	4.63	2.97	1.56	3.05	3.22	0.95	2.46	3.96	0.62	2.46	3.96	0.62
	-15	6.99	3	2.33	6.99	3	2.33	5.26	3.45	1.53	3.46	3.74	0.93	2.8	4.58	0.61	2.8	4.58	0.61
	-10	8.22	3.26	2.52	7.47	3.41	2.19	5.62	3.73	1.51	3.7	4.05	0.91	2.99	4.17	0.72	2.99	4.17	0.72
	-7	8.48	3.72	2.28	7.71	3.89	1.98	5.8	4.26	1.36	3.82	4.62	0.83	3.42	4.96	0.69	3.42	4.96	0.69
	0	8.68	4.47	1.94	7.89	4.67	1.69	5.93	5.11	1.16	3.91	5.54	0.71	3.7	5.79	0.64	3.7	5.79	0.64
	2	8.99	5.18	1.74	8.17	5.41	1.51	6.14	5.92	1.04	4.04	6.42	0.63	4.04	6.42	0.63	4.04	6.42	0.63
	5	9.24	5.7	1.62	8.4	5.96	1.41	6.32	6.52	0.97	4.16	7.07	0.59	4.16	7.07	0.59	4.16	7.07	0.59
	7	9.5	6.08	1.56	8.64	6.35	1.36	6.5	6.95	0.93	4.28	7.54	0.57	4.28	7.54	0.57	4.28	7.54	0.57
	10	9.79	6.5	1.51	8.9	6.79	1.31	6.69	7.43	0.9	4.41	8.06	0.55	4.41	8.06	0.55	4.41	8.06	0.55
	15	10.11	6.98	1.45	9.19	7.29	1.26	6.91	7.98	0.87	4.55	8.65	0.53	4.55	8.65	0.53	4.55	8.65	0.53
	20	10.42	7.68	1.36	9.47	8.03	1.18	7.12	8.78	0.81	4.69	9.52	0.49	4.69	9.52	0.49	4.69	9.52	0.49
	25	10.7	8.54	1.25	9.73	8.93	1.09	7.32	9.77	0.75	4.82	10.51	0.46	4.82	10.51	0.46	4.82	10.51	0.46
	30	10.97	9.26	1.18	9.97	9.68	1.03	7.5	10.59	0.71	4.94	11.55	0.43	4.94	11.55	0.43	4.94	11.55	0.43
	35	11.24	9.98	1.13	10.22	10.43	0.98	7.69	11.41	0.67	5.06	12.44	0.41	5.06	12.44	0.41	5.06	12.44	0.41
	40	11.55	10.57	1.09	10.5	11.05	0.95	7.9	12.09	0.65	5.2	13.19	0.39	5.2	13.19	0.39	5.2	13.19	0.39
	45	11.85	11.2	1.06	10.77	11.71	0.92	8.1	12.81	0.63	5.33	13.97	0.38	5.33	13.97	0.38	5.33	13.97	0.38
VT	AT	Maximum			100% (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
25	-25	4.9	1.96	2.5	4.9	1.96	2.5	3.68	2.25	1.64	2.43	2.53	0.96	1.96	3	0.65	1.96	3	0.65
	-20	5.97	2.41	2.48	5.97	2.41	2.48	4.49	2.77	1.62	2.96	3	0.99	2.39	3.68	0.65	2.39	3.68	0.65
	-15	6.84	2.81	2.43	6.84	2.81	2.43	5.14	3.23	1.59	3.39	3.51	0.97	2.74	4.3	0.64	2.74	4.3	0.64
	-10	8.13	3.06	2.66	7.39	3.2	2.31	5.56	3.5	1.59	3.66	3.8	0.96	2.96	3.91	0.76	2.96	3.91	0.76
	-7	8.35	3.42	2.44	7.59	3.58	2.12	5.71	3.92	1.46	3.76	4.25	0.88	3.36	4.56	0.74	3.36	4.56	0.74
	0	8.55	4.11	2.08	7.77	4.29	1.81	5.84	4.7	1.24	3.85	5.09	0.76	3.65	5.32	0.69	3.65	5.32	0.69
	2	8.84	4.75	1.86	8.04	4.96	1.62	6.05	5.43	1.11	3.98	5.89	0.68	3.98	5.89	0.68	3.98	5.89	0.68
	5	9.11	5.18	1.76	8.28	5.41	1.53	6.23	5.92	1.05	4.1	6.42	0.64	4.1	6.42	0.64	4.1	6.42	0.64
	7	9.35	5.53	1.69	8.5	5.78	1.47	6.39	6.33	1.01	4.21	6.86	0.61	4.21	6.86	0.61	4.21	6.86	0.61
	10	9.64	5.94	1.62	8.76	6.21	1.41	6.59	6.8	0.97	4.34	7.37	0.59	4.34	7.37	0.59	4.34	7.37	0.59
	15	9.94	6.45	1.54	9.04	6.75	1.34	6.8	7.38	0.92	4.47	8	0.56	4.47	8	0.56	4.47	8	0.56
	20	10.25	7.08	1.45	9.32	7.4	1.26	7.01	8.09	0.87	4.61	8.78	0.53	4.61	8.78	0.53	4.61	8.78	0.53
	25	10.51	7.87	1.33	9.55	8.23	1.16	7.18	9.01	0.8	4.73	9.69	0.49	4.73	9.69	0.49	4.73	9.69	0.49
	30	10.73	8.56	1.25	9.75	8.94	1.09	7.33	9.79	0.75	4.83	10.67	0.45	4.83	10.67	0.45	4.83	10.67	0.45
	35	10.97	9.08	1.21	9.97	9.5	1.05	7.5	10.39	0.72	4.94	11.33	0.44	4.94	11.33	0.44	4.94	11.33	0.44
	40	11.23	9.57	1.17	10.21	10.01	1.02	7.68	10.95	0.7	5.05	11.94	0.42	5.05	11.94	0.42	5.05	11.94	0.42
	45	11.55	10.14	1.14	10.5	10.61	0.99	7.9	11.6	0.68	5.2	12.65	0.41	5.2	12.65	0.41	5.2	12.65	0.41
VT	AT	Maximum			100% (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
30	-25	4.69	1.81	2.59	4.69	1.81	2.59	3.53	2.08	1.7	2.32	2.34	0.99	1.88	2.77	0.68	1.88	2.77	0.68
	-20	5.76	2.24	2.57	5.76	2.24	2.57	4.33	2.57	1.68	2.85	2.79	1.02	2.3	3.43	0.67	2.3	3.43	0.67
	-15	6.67	2.65	2.52	6.67	2.65	2.52	5.02	3.04	1.65	3.3	3.3	1	2.67	4.05	0.66	2.67	4.05	0.66
	-10	8.01	2.87	2.79	7.28	3	2.43	5.47	3.28	1.67	3.6	3.55	1.01	2.91	3.66	0.8	2.91	3.66	0.8
	-7	8.23	3.18	2.59	7.48	3.32	2.25	5.62	3.64	1.55	3.7	3.94	0.94	3.31	4.23	0.78	3.31	4.23	0.78
	0	8.43	3.76	2.24	7.66	3.93	1.95	5.76	4.3	1.34	3.79	4.66	0.81	3.6	4.87	0.74	3.6	4.87	0.74
	2	8.67	4.28	2.02	7.88	4.48	1.76	5.93	4.9	1.21	3.9	5.31	0.73	3.9	5.31	0.73	3.9	5.31	0.73
	5	8.93	4.68	1.91	8.12	4.89	1.66	6.11	5.35	1.14	4.02	5.8	0.69	4.02	5.8	0.69	4.02	5.8	0.69
	7	9.16	4.98	1.84	8.33	5.21	1.6	6.26	5.7	1.1	4.12	6.18	0.67	4.12	6.18	0.67	4.12	6.18	0.67
	10	9.46	5.38	1.76	8.6	5.62	1.53	6.47	6.15	1.05	4.26	6.67	0.64	4.26	6.67	0.64	4.26	6.67	0.64
	15	9.8	5.84	1.68	8.91	6.1	1.46	6.7	6.68	1	4.41	7.24	0.61	4.41	7.24	0.61	4.41	7.24	0.61
	20	10.1	6.55	1.54	9.18	6.85	1.34	6.9	7.5	0.92	4.54	8.13	0.56	4.54	8.13	0.56	4.54	8.13	0.56
	25	10.32	7.24	1.43	9.38	7.56	1.24	7.05	8.28	0.85	4.64	8.9	0.52	4.64	8.9	0.52	4.64	8.9	0.52
	30	10.52	7.95	1.32	9.56	8.31	1.15	7.19	9.1	0.79	4.73	9.92	0.48	4.73	9.92	0.48	4.73	9.92	0.48
	35	10.75	8.34	1.29	9.77	8.72	1.12	7.35	9.54	0.77	4.84	10.41	0.46	4.84	10.41	0.46	4.84	10.41	0.46
	40	11	8.86	1.24	10	9.26	1.08	7.52	10.13	0.74	4.95	11.05	0.45	4.95	11.05	0.45	4.95	11.05	0.45
	45	11.32	9.29	1.22	10.29	9.71	1.06	7.74	10.62	0.73	5.09	11.58	0.44	5.09	11.58	0.44	5.09	11.58	0.44
VT	AT	Maximum			100% (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
35	-25	4.48	1.67	2.68	4.48	1.67	2.68	3.37	1.92	1.75	2.22	2.16	1.03	1.79	2.55	0.7	1.79	2.55	0.7
	-20	5.54	2.08	2.66	5.54	2.08	2.66	4.17	2.39	1.74	2.74	2.59	1.06	2.22	3.18	0.7	2.22	3.18	0.7
	-15	6.49	2.5	2.6	6.49	2.5	2.6	4.88	2.87	1.7	3.21	3.11	1.03	2.6	3.81	0.68	2.6	3.81	0.68
	-10	7.9	2.73	2.9	7.18	2.85	2.52	5.4	3.12	1.73	3.55	3.38	1.05	2.87	3.48	0.82	2.87	3.48	0.82
	-7	8.1	2.97	2.73	7.36	3.11	2.37	5.53	3.4	1.63	3.64	3.68	0.99	3.26	3.96	0.82	3.26	3.96	0.82
	0	8.29	3.43	2.42	7.54	3.59	2.1	5.67	3.93	1.44	3.73	4.26	0.88	3.54	4.45	0.8	3.54	4.45	0.8
	2	8.48	3.86	2.2	7.71	4.04	1.91	5.8	4.42	1.31	3.82	4.79	0.8	3.82	4.79	0.8	3.82	4.79	0.8
	5	8.77	4.26	2.06	7.97	4.45	1.79	5.99	4.87	1.23	3.95	5.28	0.75	3.95	5.28	0.75	3.95	5.28	0.75
	7	8.99	4.57	1.97	8.17	4.78	1.71	6.14	5.23	1.18	4.04	5.67	0.71	4.04	5.62	0.7	4.04	5.62	0.7
	10	9.26	4.88	1.9	8.42	5.1	1.65	6.33	5.58	1.13	4.17	6.05	0.69	4.17	6.05	0.69	4.17	6.05	0.69
	15	9.63	5.3	1.82	8.75	5.54	1.58	6.58	6.06	1.09	4.33	6.57	0.66	4.33	6.57	0.66	4.33		

Heat capacity Warmondo WM-M (9 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
40	-25	4,36	1,54	2,84	4,36	1,54	2,84	3,28	1,76	1,86	2,16	1,98	1,09	1,74	2,35	0,74	1,74	2,35	0,74
	-20	5,45	1,93	2,82	5,45	1,93	2,82	4,1	2,22	1,85	2,7	2,41	1,12	2,18	2,95	0,74	2,18	2,95	0,74
	-15	6,4	2,32	2,76	6,4	2,32	2,76	4,81	2,66	1,81	3,17	2,89	1,1	2,56	3,54	0,72	2,56	3,54	0,72
	-10	7,83	2,52	3,11	7,12	2,64	2,7	5,35	2,89	1,86	3,52	3,13	1,13	2,85	3,22	0,88	2,85	3,22	0,88
	-7	8,04	2,73	2,94	7,31	2,86	2,56	5,5	3,12	1,76	3,62	3,39	1,07	3,24	3,64	0,89	3,24	3,64	0,89
	0	8,23	3,11	2,65	7,48	3,25	2,3	5,62	3,56	1,58	3,7	3,86	0,96	3,51	4,03	0,87	3,51	4,03	0,87
	2	8,42	3,48	2,42	7,65	3,64	2,1	5,75	3,99	1,44	3,79	4,32	0,88	3,79	4,32	0,88	3,79	4,32	0,88
	5	8,7	3,82	2,28	7,91	3,99	1,98	5,95	4,37	1,36	3,92	4,74	0,83	3,92	4,74	0,83	3,92	4,74	0,83
	7	8,89	4,05	2,2	8,08	4,23	1,91	6,08	4,63	1,31	4	5,02	0,8	4	5,02	0,8	4	5,02	0,8
	10	9,17	4,34	2,12	8,34	4,53	1,84	6,27	4,96	1,26	4,13	5,38	0,77	4,13	5,38	0,77	4,13	5,38	0,77
	15	9,54	4,69	2,04	8,67	4,9	1,77	6,52	5,36	1,22	4,29	5,81	0,74	4,29	5,81	0,74	4,29	5,81	0,74
	20	9,76	5,17	1,89	8,87	5,41	1,64	6,67	5,92	1,13	4,39	6,42	0,68	4,39	6,42	0,68	4,39	6,42	0,68
	25	9,97	5,7	1,75	9,06	5,96	1,52	6,81	6,52	1,04	4,48	7,02	0,64	4,48	7,02	0,64	4,48	7,02	0,64
	30	10,16	6,18	1,64	9,24	6,46	1,43	6,95	7,07	0,98	4,57	7,71	0,59	4,57	7,71	0,59	4,57	7,71	0,59
	35	10,35	6,57	1,58	9,41	6,87	1,37	7,08	7,51	0,94	4,66	8,19	0,57	4,66	8,19	0,57	4,66	8,19	0,57
	40	10,58	7,02	1,51	9,62	7,34	1,31	7,23	8,03	0,9	4,76	8,76	0,54	4,76	8,76	0,54	4,76	8,76	0,54
	45	10,89	7,4	1,47	9,9	7,73	1,28	7,44	8,46	0,88	4,9	9,23	0,53	4,9	9,23	0,53	4,9	9,23	0,53
45																			
	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
	-25	4,25	1,41	3,01	4,25	1,41	3,01	3,2	1,62	1,97	2,1	1,83	1,15	1,7	2,16	0,79	1,7	2,16	0,79
	-20	5,35	1,8	2,98	5,35	1,8	2,98	4,02	2,06	1,95	2,65	2,24	1,18	2,14	2,74	0,78	2,14	2,74	0,78
	-15	6,3	2,16	2,92	6,3	2,16	2,92	4,74	2,48	1,91	3,12	2,69	1,16	2,52	3,3	0,76	2,52	3,3	0,76
	-10	7,78	2,36	3,29	7,07	2,47	2,86	5,32	2,7	1,97	3,5	2,93	1,19	2,83	3,02	0,94	2,83	3,02	0,94
	-7	7,98	2,54	3,14	7,25	2,66	2,73	5,45	2,91	1,88	3,59	3,15	1,14	3,21	3,38	0,95	3,21	3,38	0,95
	0	8,16	2,85	2,86	7,42	2,98	2,49	5,58	3,26	1,71	3,67	3,54	1,04	3,48	3,69	0,94	3,48	3,69	0,94
	2	8,35	3,16	2,65	7,59	3,3	2,3	5,71	3,61	1,58	3,76	3,92	0,96	3,76	3,92	0,96	3,76	3,92	0,96
	5	8,62	3,44	2,51	7,84	3,6	2,18	5,9	3,93	1,5	3,88	4,27	0,91	3,88	4,27	0,91	3,88	4,27	0,91
	7	8,81	3,63	2,43	8,01	3,8	2,11	6,02	4,15	1,45	3,96	4,5	0,88	3,96	4,5	0,88	3,96	4,5	0,88
	10	9,11	3,9	2,33	8,28	4,08	2,03	6,23	4,46	1,4	4,1	4,84	0,85	4,1	4,84	0,85	4,1	4,84	0,85
	15	9,39	4,19	2,24	8,54	4,38	1,95	6,42	4,79	1,34	4,23	5,2	0,81	4,23	5,2	0,81	4,23	5,2	0,81
	20	9,63	4,57	2,1	8,75	4,78	1,83	6,58	5,23	1,26	4,33	5,67	0,76	4,33	5,67	0,76	4,33	5,67	0,76
	25	9,82	4,97	1,98	8,93	5,19	1,72	6,72	5,68	1,18	4,42	6,11	0,72	4,42	6,11	0,72	4,42	6,11	0,72
	30	9,99	5,33	1,87	9,08	5,57	1,63	6,83	6,09	1,12	4,49	6,65	0,68	4,49	6,65	0,68	4,49	6,65	0,68
	35	10,15	5,7	1,78	9,23	5,95	1,55	6,94	6,52	1,07	4,57	7,1	0,64	4,57	7,1	0,64	4,57	7,1	0,64
	40	10,37	6,14	1,69	9,43	6,41	1,47	7,09	7,02	1,01	4,67	7,65	0,61	4,67	7,65	0,61	4,67	7,65	0,61
	45	10,6	6,49	1,63	9,64	6,79	1,42	7,25	7,43	0,98	4,77	8,1	0,59	4,77	8,1	0,59	4,77	8,1	0,59
50																			
	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
	-25	4,13	1,3	3,17	4,13	1,3	3,17	3,11	1,5	2,08	2,04	1,68	1,21	1,65	1,99	0,83	1,65	1,99	0,83
	-20	5,26	1,68	3,13	5,26	1,68	3,13	3,96	1,93	2,05	2,6	2,09	1,24	2,1	2,57	0,82	2,1	2,57	0,82
	-15	6,21	2,02	3,07	6,21	2,02	3,07	4,67	2,32	2,01	3,07	2,52	1,22	2,48	3,09	0,8	2,48	3,09	0,8
	-10	7,71	2,23	3,46	7,01	2,33	3,01	5,27	2,55	2,07	3,47	2,76	1,26	2,8	2,85	0,99	2,8	2,85	0,99
	-7	7,93	2,38	3,34	7,21	2,49	2,9	5,42	2,72	1,99	3,57	2,95	1,21	3,19	3,17	1,01	3,19	3,17	1,01
	0	8,12	2,62	3,09	7,38	2,74	2,69	5,55	3	1,85	3,65	3,26	1,12	3,46	3,4	1,02	3,46	3,4	1,02
	2	8,31	2,9	2,86	7,55	3,03	2,49	5,68	3,32	1,71	3,74	3,6	1,04	3,74	3,6	1,04	3,74	3,6	1,04
	5	8,51	3,15	2,7	7,74	3,29	2,35	5,82	3,6	1,62	3,83	3,91	0,98	3,83	3,91	0,98	3,83	3,91	0,98
	7	8,72	3,31	2,63	7,93	3,46	2,29	5,96	3,79	1,57	3,93	4,11	0,96	3,93	4,11	0,96	3,93	4,11	0,96
	10	8,99	3,54	2,54	8,17	3,7	2,21	6,14	4,04	1,52	4,04	4,39	0,92	4,04	4,39	0,92	4,04	4,39	0,92
	15	9,22	3,78	2,44	8,38	3,95	2,12	6,3	4,32	1,46	4,15	4,69	0,88	4,15	4,69	0,88	4,15	4,69	0,88
	20	9,42	4,07	2,31	8,56	4,26	2,01	6,44	4,66	1,38	4,24	5,05	0,84	4,24	5,05	0,84	4,24	5,05	0,84
	25	9,6	4,42	2,17	8,73	4,62	1,89	6,56	5,05	1,3	4,32	5,44	0,79	4,32	5,44	0,79	4,32	5,44	0,79
	30	9,76	4,74	2,06	8,87	4,96	1,79	6,67	5,42	1,23	4,39	5,91	0,74	4,39	5,91	0,74	4,39	5,91	0,74
	35	9,91	5,16	1,92	9,01	5,4	1,67	6,78	5,9	1,15	4,46	6,44	0,69	4,46	6,44	0,69	4,46	6,44	0,69
	40	10,12	5,57	1,82	9,2	5,82	1,58	6,92	6,37	1,09	4,55	6,95	0,66	4,55	6,95	0,66	4,55	6,95	0,66
	45	10,35	5,92	1,75	9,41	6,19	1,52	7,08	6,77	1,04	4,66	7,39	0,63	4,66	7,39	0,63	4,66	7,39	0,63
55																			
	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
	-25	4,01	1,16	3,45	4,01	1,16	3,45	3,02	1,34	2,26	1,98	1,5	1,32	1,6	1,78	0,9	1,6	1,78	0,9
	-20	5,16	1,51	3,42	5,16	1,51	3,42	3,88	1,73	2,24	2,55	1,88	1,36	2,06	2,31	0,9	2,06	2,31	0,9
	-15	6,11	1,8	3,39	6,11	1,8	3,39	4,59	2,07	2,22	3,02	2,25	1,35	2,44	2,75	0,89	2,44	2,75	0,89
	-10	7,65	1,98	3,86	6,95	2,07	3,36	5,23	2,26	2,31	3,44	2,45	1,4	2,78	2,53	1,1	2,78	2,53	1,1
	-7	7,85	2,19	3,59	7,14	2,29	3,12	5,37	2,5	2,14	3,53	2,72	1,3	3,16	2,91	1,09	3,16	2,91	1,09
	0	8,03	2,42	3,31	7,3	2,53	2,88	5,49	2,77	1,98	3,61	3,01	1,2	3,43	3,14	1,09	3,43	3,14	1,09
	2	8,22	2,67	3,08	7,47	2,79	2,68	5,62	3,05	1,84	3,7	3,31	1,12	3,7	3,31	1,12	3,7	3,31	1,12
	5	8,44	2,89	2,92	7,67	3,02	2,54	5,77	3,3	1,75	3,8	3,58	1,06	3,8	3,58	1,06	3,8	3,58	1,06

Heat capacity Warmondo WM-M (9 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
60	-25	3,43	1,08	3,17	3,43	1,08	3,17	2,58	1,24	2,08	1,7	1,4	1,21	1,37	1,65	0,83	1,37	1,65	0,83
	-20	4,07	1,3	3,14	4,07	1,3	3,14	3,06	1,49	2,06	2,01	1,61	1,25	1,63	1,98	0,82	1,63	1,98	0,82
	-15	4,77	1,54	3,09	4,77	1,54	3,09	3,59	1,77	2,02	2,36	1,92	1,23	1,91	2,36	0,81	1,91	2,36	0,81
	-10	5,95	1,71	3,48	5,41	1,79	3,03	4,07	1,95	2,08	2,68	2,12	1,26	2,16	2,18	0,99	2,16	2,18	0,99
	-7	6,56	1,95	3,37	5,96	2,03	2,93	4,48	2,23	2,01	2,95	2,41	1,22	2,64	2,59	1,02	2,64	2,59	1,02
	0	7,02	2,16	3,24	6,38	2,26	2,82	4,8	2,48	1,94	3,16	2,68	1,18	2,99	2,8	1,07	2,99	2,8	1,07
	2	7,37	2,34	3,15	6,7	2,45	2,74	5,04	2,68	1,88	3,32	2,9	1,14	3,32	2,9	1,14	3,32	2,9	1,14
	5	7,7	2,53	3,05	7	2,64	2,65	5,26	2,89	1,82	3,47	3,13	1,11	3,47	3,13	1,11	3,47	3,13	1,11
	7	7,95	2,69	2,96	7,23	2,81	2,57	5,44	3,08	1,77	3,58	3,34	1,07	3,58	3,34	1,07	3,58	3,34	1,07
	10	8,24	2,87	2,88	7,49	3	2,5	5,63	3,28	1,72	3,71	3,55	1,04	3,71	3,55	1,04	3,71	3,55	1,04
	15	8,42	3,04	2,77	7,65	3,17	2,41	5,75	3,47	1,66	3,79	3,77	1,01	3,79	3,77	1,01	3,79	3,77	1,01
	20	8,62	3,25	2,66	7,84	3,39	2,31	5,9	3,71	1,59	3,88	4,03	0,96	3,88	4,03	0,96	3,88	4,03	0,96
	25	8,77	3,47	2,53	7,97	3,62	2,2	5,99	3,96	1,51	3,95	4,26	0,93	3,95	4,26	0,93	3,95	4,26	0,93
	30	8,88	3,71	2,39	8,07	3,88	2,08	6,07	4,24	1,43	3,99	4,63	0,86	3,99	4,63	0,86	3,99	4,63	0,86
	35	9,04	4,01	2,25	8,22	4,19	1,96	6,18	4,59	1,35	4,07	5	0,81	4,07	5	0,81	4,07	5	0,81
	40	9,24	4,37	2,12	8,4	4,57	1,84	6,32	4,99	1,26	4,16	5,45	0,76	4,16	5,45	0,76	4,16	5,45	0,76
	45	9,45	4,75	1,99	8,59	4,97	1,73	6,46	5,43	1,19	4,25	5,92	0,72	4,25	5,92	0,72	4,25	5,92	0,72
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
65	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	3,77	1,26	2,99	3,77	1,26	2,99	2,84	1,45	1,96	1,87	1,57	1,19	1,51	1,93	0,78	1,51	1,93	0,78
	-10	4,8	1,4	3,42	4,36	1,47	2,97	3,28	1,61	2,04	2,16	1,74	1,24	1,74	1,79	0,97	1,74	1,79	0,97
	-7	5,37	1,58	3,39	4,88	1,65	2,95	3,67	1,81	2,03	2,42	1,96	1,23	2,16	2,11	1,03	2,16	2,11	1,03
	0	5,85	1,75	3,35	5,32	1,83	2,91	4	2	2	2,63	2,17	1,21	2,5	2,27	1,1	2,5	2,27	1,1
	2	6,34	1,92	3,3	5,76	2,01	2,87	4,33	2,2	1,97	2,85	2,38	1,2	2,85	2,38	1,2	2,85	2,38	1,2
	5	6,77	2,11	3,21	6,15	2,2	2,79	4,62	2,41	1,92	3,04	2,62	1,16	3,04	2,62	1,16	3,04	2,62	1,16
	7	7,19	2,3	3,13	6,54	2,4	2,72	4,92	2,63	1,87	3,24	2,85	1,13	3,24	2,85	1,13	3,24	2,85	1,13
	10	7,49	2,47	3,04	6,81	2,58	2,64	5,12	2,82	1,81	3,37	3,06	1,1	3,37	3,06	1,1	3,37	3,06	1,1
	15	7,72	2,65	2,91	7,02	2,77	2,53	5,28	3,04	1,74	3,47	3,29	1,06	3,47	3,29	1,06	3,47	3,29	1,06
	20	7,88	2,83	2,78	7,16	2,96	2,42	5,38	3,24	1,66	3,54	3,51	1,01	3,54	3,51	1,01	3,54	3,51	1,01
	25	8,06	3,04	2,66	7,33	3,17	2,31	5,51	3,47	1,59	3,63	3,74	0,97	3,63	3,74	0,97	3,63	3,74	0,97
	30	8,22	3,29	2,5	7,47	3,44	2,17	5,62	3,77	1,49	3,7	4,11	0,9	3,7	4,11	0,9	3,7	4,11	0,9
	35	8,37	3,55	2,36	7,61	3,71	2,05	5,72	4,06	1,41	3,77	4,43	0,85	3,77	4,43	0,85	3,77	4,43	0,85
	40	8,57	3,86	2,22	7,79	4,04	1,93	5,86	4,42	1,33	3,86	4,82	0,8	3,86	4,82	0,8	3,86	4,82	0,8
	45	8,77	4,19	2,09	7,97	4,38	1,82	5,99	4,79	1,25	3,95	5,22	0,76	3,95	5,22	0,76	3,95	5,22	0,76
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
70	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-10	4,08	1,16	3,52	3,71	1,21	3,06	2,79	1,33	2,1	1,84	1,44	1,28	1,48	1,48	1	1,48	1,48	1
	-7	4,73	1,35	3,5	4,3	1,41	3,04	3,23	1,55	2,09	2,13	1,68	1,27	1,9	1,8	1,06	1,9	1,8	1,06
	0	5,31	1,54	3,45	4,83	1,61	3	3,63	1,76	2,06	2,39	1,91	1,25	2,27	2	1,14	2,27	2	1,14
	2	5,79	1,71	3,39	5,26	1,78	2,95	3,96	1,95	2,03	2,6	2,12	1,23	2,6	2,12	1,23	2,6	2,12	1,23
	5	6,28	1,9	3,31	5,71	1,98	2,88	4,29	2,17	1,98	2,83	2,35	1,2	2,83	2,35	1,2	2,83	2,35	1,2
	7	6,68	2,07	3,23	6,07	2,16	2,81	4,56	2,36	1,93	3	2,56	1,17	3	2,56	1,17	3	2,56	1,17
	10	7,02	2,24	3,14	6,38	2,34	2,73	4,8	2,56	1,88	3,16	2,77	1,14	3,16	2,77	1,14	3,16	2,77	1,14
	15	7,24	2,4	3,01	6,58	2,51	2,62	4,95	2,75	1,8	3,26	2,98	1,09	3,26	2,98	1,09	3,26	2,98	1,09
	20	7,48	2,59	2,89	6,8	2,71	2,51	5,11	2,96	1,73	3,37	3,21	1,05	3,37	3,21	1,05	3,37	3,21	1,05
	25	7,65	2,78	2,75	6,95	2,91	2,39	5,23	3,18	1,64	3,44	3,42	1,01	3,44	3,42	1,01	3,44	3,42	1,01
	30	7,84	3,02	2,6	7,13	3,15	2,26	5,36	3,45	1,55	3,53	3,76	0,94	3,53	3,76	0,94	3,53	3,76	0,94
	35	7,99	3,25	2,46	7,26	3,39	2,14	5,46	3,71	1,47	3,59	4,05	0,89	3,59	4,05	0,89	3,59	4,05	0,89
	40	8,18	3,52	2,32	7,44	3,68	2,02	5,59	4,03	1,39	3,68	4,39	0,84	3,68	4,39	0,84	3,68	4,39	0,84
	45	8,42	3,83	2,2	7,65	4,01	1,91	5,75	4,38	1,31	3,79	4,78	0,79	3,79	4,78	0,79	3,79	4,78	0,79
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
75	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	0	4,62	1,3	3,57	4,2	1,35	3,1	3,16	1,48	2,13	2,08	1,61	1,29	1,97	1,68	1,17	1,97	1,68	1,17
	2	5,26	1,5	3,5	4,78	1,57	3,04	3,59	1,72	2,09	2,37	1,87	1,27	2,37	1,87	1,27	2,37	1,87	1,27
	5	5,72	1,67	3,42	5,2	1,75	2,97	3,91	1,92	2,04	2,57	2,08	1,24	2,57	2,08	1,24	2,57	2,08	1,24
	7	6,14	1,85	3,32	5,58	1,93	2,89	4,2	2,11	1,99	2,76	2,29	1,21	2,76	2,29	1,21	2,76	2,29	1,21
	10	6,51	2,02	3,23	5,92	2,11	2,81	4,45	2,3	1,93	2,93	2,5	1,17	2,93	2,5	1,17	2,93	2,5	1,17
	15	6,79	2,18	3,12	6,17	2,28	2,71	4,64	2,49	1,86	3,05	2,7	1,13	3,05	2,7	1,13	3,05	2,7	1,13
	20	7,06	2,36	2,99	6,42	2,47	2,6	4,83	2,7	1,79	3,18	2,93	1,08	3,18	2,93	1,08	3,18	2,93	1,08
	25	7,25	2,55	2,84	6,59	2,67	2,47	4,96	2,92	1,7	3,26	3,14	1,04	3,26	3,14	1,04	3,26	3,14	1,04
	30	7,46	2,78	2,68	6,78	2,91	2,33	5,1	3,18	1,6	3,36	3,47	0,97	3,36	3,47	0,97	3,36	3,47	0,97
	35	7,66	3,01	2,54	6,96	3,15	2,21	5,23	3,45	1,52	3,45	3,76	0,92	3,45	3,76	0,92	3,45	3,76	0,92
	40	7,85	3,27	2,4	7,14	3,42	2,09	5,37	3,74	1,44	3,53	4,08	0,87	3,53	4,08	0,87	3,53	4,08	0,87
	45	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

5.2.2. Cooling capacity Warmondo WM-M (9 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
7	10	9,76	6,78	1,44	8,26	7,12	1,16	6,15	7,74	0,8	4,73	8,31	0,57	4,73	8,31	0,57	4,73	8,31	0,57
	20	9,39	5,01	1,87	8,05	5,26	1,53	6	5,72	1,05	4,61	6	0,77	4,61	6	0,77	4,61	6	0,77
	30	8,28	3,85	2,15	7,69	4,05	1,9	5,73	4,26	1,34	4,04	4,87	0,83	4,04	4,87	0,83	4,04	4,87	0,83
	35	6,96	3,12	2,23	6,96	3,12	2,23	5,19	3,29	1,58	3,65	4,29	0,85	3,65	4,29	0,85	3,65	4,29	0,85
	40	6,59	2,64	2,5	5,95	2,92	2,04	4,43	3,07	1,44	3,25	3,24	1	3,25	3,24	1	3,25	3,24	1
	45	5,71	2,45	2,33	5,01	2,71	1,85	3,73	2,85	1,31	3,01	2,88	1,04	3,01	2,88	1,04	3,01	2,88	1,04
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
15	10	10,74	8,02	1,34	9,09	8,42	1,08	6,77	9,15	0,74	5,2	9,83	0,53	5,2	9,83	0,53	5,2	9,83	0,53
	20	10,33	5,93	1,74	8,86	6,22	1,42	6,6	6,76	0,98	5,07	7,1	0,71	5,07	7,1	0,71	5,07	7,1	0,71
	30	9,11	4,56	2	8,46	4,79	1,77	6,3	5,04	1,25	4,44	5,76	0,77	4,44	5,76	0,77	4,44	5,76	0,77
	35	7,66	3,69	2,07	7,66	3,69	2,07	5,7	3,89	1,47	4,02	5,08	0,79	4,02	5,08	0,79	4,02	5,08	0,79
	40	7,25	3,12	2,32	6,55	3,45	1,9	4,88	3,63	1,34	3,57	3,83	0,93	3,57	3,83	0,93	3,57	3,83	0,93
	45	6,28	2,9	2,17	5,51	3,2	1,72	4,11	3,37	1,22	3,31	3,41	0,97	3,31	3,41	0,97	3,31	3,41	0,97
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
25	10	11,92	9,37	1,27	10,09	9,84	1,02	7,51	10,7	0,7	5,78	11,48	0,5	5,78	11,48	0,5	5,78	11,48	0,5
	20	11,47	6,93	1,66	9,83	7,27	1,35	7,32	7,9	0,93	5,63	8,3	0,68	5,63	8,3	0,68	5,63	8,3	0,68
	30	10,11	5,33	1,9	9,39	5,59	1,68	7	5,89	1,19	4,93	6,73	0,73	4,93	6,73	0,73	4,93	6,73	0,73
	35	8,5	4,31	1,97	8,5	4,31	1,97	6,33	4,54	1,39	4,46	5,93	0,75	4,46	5,93	0,75	4,46	5,93	0,75
	40	8,05	3,65	2,21	7,26	4,03	1,8	5,41	4,24	1,28	3,96	4,48	0,88	3,96	4,48	0,88	3,96	4,48	0,88
	45	6,97	3,39	2,06	6,12	3,74	1,63	4,56	3,94	1,16	3,67	3,98	0,92	3,67	3,98	0,92	3,67	3,98	0,92
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
35	10	13,47	11,27	1,2	11,4	11,83	0,96	8,49	12,86	0,66	6,53	13,8	0,47	6,53	13,8	0,47	6,53	13,8	0,47
	20	12,96	8,32	1,56	11,11	8,74	1,27	8,27	9,5	0,87	6,36	9,98	0,64	6,36	9,98	0,64	6,36	9,98	0,64
	30	11,43	6,4	1,78	10,61	6,72	1,58	7,9	7,08	1,12	5,57	8,09	0,69	5,57	8,09	0,69	5,57	8,09	0,69
	35	9,6	5,19	1,85	9,6	5,19	1,85	7,15	5,46	1,31	5,04	7,13	0,71	5,04	7,13	0,71	5,04	7,13	0,71
	40	9,1	4,38	2,08	8,21	4,85	1,69	6,12	5,1	1,2	4,48	5,38	0,83	4,48	5,38	0,83	4,48	5,38	0,83
	45	7,88	4,07	1,94	6,91	4,5	1,54	5,15	4,74	1,09	4,15	4,79	0,87	4,15	4,79	0,87	4,15	4,79	0,87

VT: Flow temperature
AT: Dry temperature for outdoor air temperature
KL: Cooling capacity
EER: Energy Efficiency Ratio
LA: Power consumption

5.3.1. Heat output Warmondo WM-L (13 kW)

VT	AT	Maximum			100 % (Norma)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
20	-25	6.92	2.18	3.17	6.92	2.18	3.17	5.2	2.5	2.08	3.42	2.82	1.21	2.77	3.33	0.83	2.77	3.33	0.83
	-20	8.31	2.59	3.21	8.31	2.59	3.21	6.25	2.98	2.1	4.11	3.23	1.27	3.32	3.96	0.84	3.32	3.96	0.84
	-15	9.72	2.99	3.25	9.72	2.99	3.25	7.31	3.43	2.13	4.81	3.73	1.29	3.89	4.57	0.85	3.89	4.57	0.85
	-10	11.4	3.26	3.5	10.76	3.42	3.15	8.09	3.74	2.16	5.33	4.06	1.31	4.31	4.18	1.03	4.31	4.18	1.03
	-7	12.3	3.73	3.29	10.93	3.92	2.79	8.22	4.29	1.92	5.41	4.65	1.16	4.84	4.99	0.97	4.84	4.99	0.97
	0	13.09	4.48	2.92	11.35	4.7	2.41	8.53	5.14	1.66	5.62	5.58	1.01	5.33	5.83	0.91	5.33	5.83	0.91
	2	13.23	5.18	2.55	11.34	5.44	2.08	8.52	5.95	1.43	5.61	6.45	0.87	5.61	6.45	0.87	5.61	6.45	0.87
	5	13.37	5.7	2.35	11.46	5.98	1.92	8.62	6.54	1.32	5.67	7.1	0.8	5.67	7.1	0.8	5.67	7.1	0.8
	7	13.63	6.08	2.24	11.53	6.38	1.81	8.67	6.98	1.24	5.71	7.57	0.75	5.71	7.57	0.75	5.71	7.57	0.75
	10	13.86	6.53	2.12	11.73	6.86	1.71	8.82	7.51	1.18	5.81	8.14	0.71	5.81	8.14	0.71	5.81	8.14	0.71
	15	14.48	6.99	2.07	12.25	7.34	1.67	9.21	8.03	1.15	6.06	8.71	0.7	6.06	8.71	0.7	6.06	8.71	0.7
	20	15.26	7.7	1.98	12.72	8.08	1.57	9.56	8.84	1.08	6.3	9.59	0.66	6.3	9.59	0.66	6.3	9.59	0.66
	25	16.24	8.61	1.89	13.29	9.04	1.47	9.99	9.89	1.01	6.58	10.64	0.62	6.58	10.64	0.62	6.58	10.64	0.62
	30	17.49	9.32	1.88	13.99	9.79	1.43	10.52	10.71	0.98	6.92	11.68	0.59	6.92	11.68	0.59	6.92	11.68	0.59
	35	18.04	10.01	1.8	14.44	10.51	1.37	10.86	11.5	0.94	7.15	12.54	0.57	7.15	12.54	0.57	7.15	12.54	0.57
	40	18.49	10.54	1.75	14.79	11.07	1.34	11.12	12.11	0.92	7.32	13.21	0.55	7.32	13.21	0.55	7.32	13.21	0.55
	45	18.97	10.9	1.74	15.17	11.45	1.33	11.41	12.53	0.91	7.51	13.66	0.55	7.51	13.66	0.55	7.51	13.66	0.55
25	AT	Maximum			100 % (Norma)			75 %			50 %			25 %			Minimum		
	-25	6.74	1.95	3.46	6.74	1.95	3.46	5.07	2.24	2.26	3.34	2.52	1.32	2.7	2.98	0.9	2.7	2.98	0.9
	-20	8	2.41	3.32	8	2.41	3.32	6.01	2.77	2.17	3.96	3	1.32	3.2	3.68	0.87	3.2	3.68	0.87
	-15	9.44	2.81	3.36	9.44	2.81	3.36	7.1	3.23	2.2	4.67	3.5	1.34	3.78	4.29	0.88	3.78	4.29	0.88
	-10	11.18	3.06	3.66	10.56	3.21	3.29	7.94	3.51	2.26	5.23	3.81	1.37	4.22	3.92	1.08	4.22	3.92	1.08
	-7	12.11	3.44	3.52	10.76	3.61	2.98	8.09	3.95	2.05	5.33	4.28	1.24	4.77	4.6	1.04	4.77	4.6	1.04
	0	12.97	4.12	3.15	11.24	4.33	2.6	8.45	4.74	1.78	5.56	5.14	1.08	5.28	5.37	0.98	5.28	5.37	0.98
	2	13.16	4.77	2.76	11.28	5.01	2.25	8.49	5.48	1.55	5.59	5.94	0.94	5.59	5.94	0.94	5.59	5.94	0.94
	5	13.31	5.19	2.56	11.41	5.45	2.09	8.58	5.96	1.44	5.65	6.47	0.87	5.65	6.47	0.87	5.65	6.47	0.87
	7	13.57	5.53	2.45	11.48	5.81	1.98	8.63	6.36	1.36	5.68	6.89	0.82	5.68	6.89	0.82	5.68	6.89	0.82
	10	13.8	5.97	2.31	11.68	6.27	1.86	8.78	6.86	1.28	5.78	7.44	0.78	5.78	7.44	0.78	5.78	7.44	0.78
	15	14.42	6.47	2.23	12.2	6.79	1.8	9.17	7.43	1.23	6.04	8.06	0.75	6.04	8.06	0.75	6.04	8.06	0.75
	20	15.19	7.12	2.13	12.66	7.48	1.69	9.52	8.18	1.16	6.27	8.88	0.71	6.27	8.88	0.71	6.27	8.88	0.71
	25	16.17	7.89	2.05	13.23	8.28	1.6	9.95	9.06	1.1	6.55	9.75	0.67	6.55	9.75	0.67	6.55	9.75	0.67
	30	17.41	8.6	2.02	13.93	9.03	1.54	10.47	9.88	1.06	6.89	10.77	0.64	6.89	10.77	0.64	6.89	10.77	0.64
	35	17.97	9.27	1.94	14.37	9.73	1.48	10.81	10.65	1.02	7.11	11.61	0.61	7.11	11.61	0.61	7.11	11.61	0.61
	40	18.41	9.82	1.87	14.73	10.31	1.43	11.07	11.28	0.98	7.29	12.3	0.59	7.29	12.3	0.59	7.29	12.3	0.59
45	18.89	10.19	1.85	15.11	10.7	1.41	11.36	11.71	0.97	7.48	12.76	0.59	7.48	12.76	0.59	7.48	12.76	0.59	
30	AT	Maximum			100 % (Norma)			75 %			50 %			25 %			Minimum		
	-25	6.56	1.8	3.65	6.56	1.8	3.65	4.93	2.07	2.39	3.25	2.33	1.4	2.62	2.75	0.95	2.62	2.75	0.95
	-20	7.94	2.24	3.54	7.94	2.24	3.54	5.97	2.57	2.32	3.93	2.79	1.41	3.17	3.42	0.93	3.17	3.42	0.93
	-15	9.16	2.65	3.46	9.16	2.65	3.46	6.89	3.04	2.26	4.54	3.3	1.37	3.66	4.05	0.9	3.66	4.05	0.9
	-10	11.03	2.87	3.85	10.42	3.01	3.46	7.84	3.29	2.38	5.16	3.57	1.44	4.17	3.68	1.13	4.17	3.68	1.13
	-7	11.91	3.17	3.76	10.59	3.33	3.18	7.96	3.64	2.19	5.24	3.95	1.33	4.69	4.24	1.11	4.69	4.24	1.11
	0	12.67	3.75	3.38	10.98	3.94	2.79	8.26	4.31	1.92	5.44	4.67	1.16	5.16	4.88	1.06	5.16	4.88	1.06
	2	12.86	4.28	3.01	11.02	4.49	2.46	8.29	4.91	1.69	5.46	5.33	1.02	5.46	5.33	1.02	5.46	5.33	1.02
	5	13.01	4.7	2.77	11.15	4.93	2.26	8.38	5.39	1.55	5.52	5.85	0.94	5.52	5.85	0.94	5.52	5.85	0.94
	7	13.25	4.99	2.65	11.21	5.24	2.14	8.43	5.73	1.47	5.55	6.22	0.89	5.55	6.22	0.89	5.55	6.22	0.89
	10	13.48	5.38	2.51	11.41	5.65	2.02	8.58	6.18	1.39	5.65	6.7	0.84	5.65	6.7	0.84	5.65	6.7	0.84
	15	14.09	5.85	2.41	11.92	6.14	1.94	8.96	6.72	1.33	5.9	7.29	0.81	5.9	7.29	0.81	5.9	7.29	0.81
	20	14.84	6.58	2.25	12.37	6.91	1.79	9.3	7.56	1.23	6.12	8.2	0.75	6.12	8.2	0.75	6.12	8.2	0.75
	25	15.8	7.28	2.17	12.93	7.64	1.69	9.72	8.36	1.16	6.4	8.99	0.71	6.4	8.99	0.71	6.4	8.99	0.71
	30	17	7.96	2.14	13.6	8.36	1.63	10.23	9.15	1.12	6.73	9.97	0.68	6.73	9.97	0.68	6.73	9.97	0.68
	35	17.55	8.4	2.09	14.04	8.82	1.59	10.56	9.65	1.09	6.95	10.52	0.66	6.95	10.52	0.66	6.95	10.52	0.66
	40	17.98	8.92	2.01	14.38	9.37	1.54	10.82	10.25	1.06	7.12	11.18	0.64	7.12	11.18	0.64	7.12	11.18	0.64
45	18.45	9.38	1.97	14.76	9.85	1.5	11.1	10.78	1.03	7.31	11.75	0.62	7.31	11.75	0.62	7.31	11.75	0.62	
35	AT	Maximum			100 % (Norma)			75 %			50 %			25 %			Minimum		
	-25	6.39	1.66	3.85	6.39	1.66	3.85	4.8	1.91	2.52	3.16	2.15	1.47	2.55	2.54	1.01	2.55	2.54	1.01
	-20	7.87	2.08	3.79	7.87	2.08	3.79	5.92	2.39	2.48	3.9	2.59	1.5	3.15	3.18	0.99	3.15	3.18	0.99
	-15	9.06	2.5	3.62	9.06	2.5	3.62	6.81	2.87	2.37	4.48	3.11	1.44	3.62	3.82	0.95	3.62	3.82	0.95
	-10	10.85	2.7	4.01	10.24	2.84	3.61	7.7	3.11	2.48	5.07	3.37	1.5	4.1	3.47	1.18	4.1	3.47	1.18
	-7	11.75	2.94	3.99	10.44	3.09	3.38	7.85	3.38	2.32	5.17	3.67	1.41	4.63	3.94	1.18	4.63	3.94	1.18
	0	12.58	3.44	3.66	10.9	3.61	3.02	8.2	3.95	2.08	5.4	4.28	1.26	5.12	4.47	1.14	5.12	4.47	1.14
	2	12.76	3.87	3.3	10.94	4.06	2.69	8.23	4.44	1.85	5.42	4.82	1.12	5.42	4.82	1.12	5.42	4.82	1.12
	5	12.91	4.25	3.04	11.07	4.48	2.47	8.32	4.9	1.7	5.48	5.32	1.03	5.48	5.32	1.03	5.48	5.32	1.03
	7	13.15	4.68	2.81	11.13	4.82	2.31	8.37	5.27	1.59	5.51	5.72	0.96	5.51	5.72	0.96	5.51	5.72	0.96
	10	13.38	4.96	2.7	11.33	5.13	2.21	8.52	5.61	1.52	5.61	6.09	0.92	5.61	6.09	0.92	5.61	6.09	0.92
	15	13.97	5.32	2.62	11.82	5.59	2.12	8.89	6.12	1.45	5.85	6.63	0.88	5.85	6.63	0.88	5.85	6.63	0.88
	20	14.73	5.95	2.47	12.27	6.25	1.96	9.23	6.84	1.35	6.07	7.42	0.82	6.07	7.42	0.82	6.07	7.42	0.82
	25	15.69	6.56	2.39	12.83	6.89	1.86	9.65	7.54	1.28	6.35	8.11	0.78	6.35	8.11	0.78	6.35	8.11	0.78
	30	16.87	7.08	2.38	13.5	7.43	1.82	10											

Heat output Warmondo WM-L (13 kW)

VT	AT	Maximum			100% (Normal)			75%			50%			25%			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
40	-25	6.21	1.52	4.08	6.21	1.52	4.08	4.67	1.75	2.67	3.07	1.96	1.56	2.48	2.32	1.07	2.48	2.32	1.07
	-20	7.7	1.93	3.99	7.7	1.93	3.99	5.79	2.22	2.61	3.81	2.4	1.58	3.08	2.95	1.04	3.08	2.95	1.04
	-15	8.95	2.32	3.86	8.95	2.32	3.86	6.73	2.67	2.53	4.43	2.89	1.53	3.58	3.55	1.01	3.58	3.55	1.01
	-10	10.79	2.52	4.28	10.19	2.65	3.85	7.66	2.9	2.64	5.05	3.14	1.6	4.08	3.24	1.26	4.08	3.24	1.26
	-7	11.52	2.73	4.22	10.24	2.87	3.57	7.7	3.14	2.45	5.07	3.41	1.49	4.54	3.66	1.24	4.54	3.66	1.24
	0	12.17	3.12	3.9	10.55	3.28	3.22	7.93	3.59	2.21	5.22	3.89	1.34	4.95	4.07	1.22	4.95	4.07	1.22
	2	12.38	3.49	3.55	10.61	3.66	2.9	7.98	4	1.99	5.25	4.34	1.21	5.25	4.34	1.21	5.25	4.34	1.21
	5	12.51	3.82	3.28	10.72	4.01	2.67	8.06	4.39	1.84	5.31	4.76	1.12	5.31	4.76	1.12	5.31	4.76	1.12
	7	12.76	4.05	3.15	10.8	4.25	2.54	8.12	4.65	1.75	5.34	5.04	1.06	5.34	5.04	1.06	5.34	5.04	1.06
	10	12.97	4.34	2.99	10.97	4.56	2.41	8.25	4.99	1.65	5.43	5.41	1	5.43	5.41	1	5.43	5.41	1
	15	13.56	4.7	2.88	11.47	4.94	2.32	8.63	5.4	1.6	5.68	5.86	0.97	5.68	5.86	0.97	5.68	5.86	0.97
	20	14.28	5.19	2.75	11.9	5.45	2.18	8.95	5.96	1.5	5.89	6.47	0.91	5.89	6.47	0.91	5.89	6.47	0.91
	25	15.2	5.71	2.66	12.44	6	2.07	9.35	6.56	1.42	6.16	7.06	0.87	6.16	7.06	0.87	6.16	7.06	0.87
	30	16.37	6.19	2.64	13.09	6.5	2.01	9.85	7.11	1.38	6.48	7.75	0.84	6.48	7.75	0.84	6.48	7.75	0.84
	35	16.89	6.6	2.56	13.51	6.93	1.95	10.16	7.58	1.34	6.69	8.27	0.81	6.69	8.27	0.81	6.69	8.27	0.81
	40	17.3	7.05	2.46	13.84	7.4	1.87	10.41	8.1	1.29	6.85	8.83	0.78	6.85	8.83	0.78	6.85	8.83	0.78
	45	17.76	7.45	2.38	14.21	7.82	1.82	10.68	8.56	1.25	7.03	9.33	0.75	7.03	9.33	0.75	7.03	9.33	0.75
VT	AT	Maximum			100% (Normal)			75%			50%			25%			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
45	-25	6.02	1.4	4.3	6.02	1.4	4.3	4.53	1.61	2.82	2.98	1.81	1.65	2.41	2.14	1.13	2.41	2.14	1.13
	-20	7.47	1.79	4.17	7.47	1.79	4.17	5.62	2.06	2.73	3.7	2.23	1.66	2.99	2.74	1.09	2.99	2.74	1.09
	-15	8.76	2.16	4.05	8.76	2.16	4.05	6.59	2.48	2.65	4.33	2.69	1.61	3.5	3.3	1.06	3.5	3.3	1.06
	-10	10.7	2.36	4.53	10.11	2.48	4.08	7.6	2.71	2.8	5	2.94	1.7	4.04	3.03	1.33	4.04	3.03	1.33
	-7	11.41	2.54	4.49	10.14	2.67	3.8	7.63	2.92	2.61	5.02	3.17	1.58	4.49	3.4	1.32	4.49	3.4	1.32
	0	11.92	2.85	4.18	10.33	2.99	3.45	7.77	3.27	2.37	5.11	3.55	1.44	4.85	3.71	1.31	4.85	3.71	1.31
	2	12.15	3.16	3.84	10.41	3.32	3.14	7.83	3.63	2.16	5.15	3.94	1.31	5.15	3.94	1.31	5.15	3.94	1.31
	5	12.28	3.46	3.55	10.52	3.63	2.9	7.91	3.97	1.99	5.21	4.31	1.21	5.21	4.31	1.21	5.21	4.31	1.21
	7	12.51	3.65	3.43	10.59	3.83	2.76	7.96	4.19	1.9	5.24	4.54	1.15	5.24	4.54	1.15	5.24	4.54	1.15
	10	12.73	3.91	3.25	10.77	4.11	2.62	8.1	4.5	1.8	5.33	4.88	1.09	5.33	4.88	1.09	5.33	4.88	1.09
	15	13.3	4.2	3.17	11.25	4.41	2.55	8.46	4.82	1.75	5.57	5.23	1.06	5.57	5.23	1.06	5.57	5.23	1.06
	20	14.02	4.58	3.06	11.68	4.81	2.43	8.78	5.26	1.67	5.78	5.71	1.01	5.78	5.71	1.01	5.78	5.71	1.01
	25	14.92	4.97	3	12.21	5.22	2.34	9.18	5.71	1.61	6.04	6.14	0.98	6.04	6.14	0.98	6.04	6.14	0.98
	30	16.06	5.35	3	12.84	5.62	2.29	9.66	6.15	1.57	6.36	6.7	0.95	6.36	6.7	0.95	6.36	6.7	0.95
	35	16.58	5.74	2.89	13.26	6.03	2.2	9.97	6.6	1.51	6.56	7.19	0.91	6.56	7.19	0.91	6.56	7.19	0.91
	40	16.98	6.16	2.76	13.58	6.47	2.1	10.21	7.08	1.44	6.72	7.72	0.87	6.72	7.72	0.87	6.72	7.72	0.87
	45	17.42	6.54	2.66	13.94	6.87	2.03	10.48	7.52	1.39	6.9	8.2	0.84	6.9	8.2	0.84	6.9	8.2	0.84
VT	AT	Maximum			100% (Normal)			75%			50%			25%			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
50	-25	5.83	1.29	4.52	5.83	1.29	4.52	4.39	1.48	2.96	2.89	1.67	1.73	2.33	1.97	1.18	2.33	1.97	1.18
	-20	7.23	1.67	4.33	7.23	1.67	4.33	5.44	1.92	2.83	3.58	2.08	1.72	2.89	2.55	1.13	2.89	2.55	1.13
	-15	8.67	2.02	4.29	8.67	2.02	4.29	6.52	2.32	2.81	4.29	2.52	1.71	3.47	3.09	1.12	3.47	3.09	1.12
	-10	10.57	2.22	4.76	9.98	2.33	4.28	7.51	2.55	2.95	4.94	2.76	1.79	3.99	2.85	1.4	3.99	2.85	1.4
	-7	11.28	2.38	4.74	10.03	2.5	4.01	7.54	2.74	2.76	4.96	2.97	1.67	4.44	3.18	1.39	4.44	3.18	1.39
	0	11.76	2.62	4.49	10.19	2.75	3.71	7.66	3.01	2.55	5.05	3.26	1.55	4.78	3.41	1.4	4.78	3.41	1.4
	2	12.11	2.9	4.18	10.38	3.04	3.41	7.81	3.33	2.35	5.14	3.61	1.42	5.14	3.61	1.42	5.14	3.61	1.42
	5	12.24	3.15	3.88	10.49	3.31	3.17	7.89	3.62	2.18	5.19	3.93	1.32	5.19	3.93	1.32	5.19	3.93	1.32
	7	12.48	3.31	3.76	10.56	3.48	3.03	7.94	3.81	2.08	5.23	4.13	1.27	5.23	4.13	1.27	5.23	4.13	1.27
	10	12.7	3.55	3.57	10.74	3.73	2.88	8.08	4.08	1.98	5.32	4.43	1.2	5.32	4.43	1.2	5.32	4.43	1.2
	15	13.26	3.78	3.51	11.22	3.97	2.83	8.44	4.34	1.94	5.55	4.71	1.18	5.55	4.71	1.18	5.55	4.71	1.18
	20	13.98	4.09	3.42	11.65	4.29	2.72	8.76	4.69	1.87	5.77	5.09	1.13	5.77	5.09	1.13	5.77	5.09	1.13
	25	14.87	4.44	3.35	12.17	4.66	2.61	9.15	5.1	1.79	6.02	5.49	1.1	6.02	5.49	1.1	6.02	5.49	1.1
	30	16	4.77	3.35	12.8	5.01	2.56	9.63	5.48	1.76	6.34	5.98	1.06	6.34	5.98	1.06	6.34	5.98	1.06
	35	16.52	5.17	3.2	13.22	5.43	2.43	9.94	5.94	1.67	6.54	6.48	1.01	6.54	6.48	1.01	6.54	6.48	1.01
	40	16.93	5.58	3.03	13.54	5.86	2.31	10.18	6.41	1.59	6.7	6.99	0.96	6.7	6.99	0.96	6.7	6.99	0.96
	45	17.37	5.95	2.92	13.89	6.25	2.22	10.45	6.84	1.53	6.88	7.46	0.92	6.88	7.46	0.92	6.88	7.46	0.92
VT	AT	Maximum			100% (Normal)			75%			50%			25%			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
55	-25	5.51	1.16	4.75	5.51	1.16	4.75	4.15	1.33	3.11	2.73	1.5	1.82	2.2	1.77	1.24	2.2	1.77	1.24
	-20	6.91	1.52	4.54	6.91	1.52	4.54	5.19	1.75	2.97	3.42	1.89	1.81	2.76	2.32	1.19	2.76	2.32	1.19
	-15	8.37	1.82	4.6	8.37	1.82	4.6	6.3	2.09	3.01	4.14	2.27	1.83	3.35	2.78	1.2	3.35	2.78	1.2
	-10	10.38	2.03	5.1	9.92	2.12	4.68	7.46	2.32	3.22	4.91	2.52	1.95	3.97	2.59	1.53	3.97	2.59	1.53
	-7	11.17	2.19	5.1	9.93	2.3	4.32	7.47	2.52	2.97	4.92	2.73	1.8	4.4	2.93	1.5	4.4	2.93	1.5
	0	11.7	2.43	4.82	10.14	2.55	3.98	7.63	2.79	2.73	5.02	3.03	1.66	4.76	3.16	1.51	4.76	3.16	1.51
	2	11.96	2.62	4.56	10.25	2.8	3.66	7.71	3.06	2.52	5.08	3.32	1.53	5.08	3.32	1.53	5.08	3.32	1.53
	5	12.1	2.88	4.19	10.37	3.03	3.42	7.8	<										

Heat capacity Warmondo WM-L (13 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
60	-25	5,26	1,08	4,87	5,26	1,08	4,87	3,96	1,24	3,19	2,6	1,4	1,87	2,1	1,65	1,28	2,1	1,65	1,28
	-20	6,64	1,36	4,88	6,64	1,36	4,88	4,99	1,56	3,19	3,28	1,69	1,94	2,65	2,08	1,28	2,65	2,08	1,28
	-15	7,99	1,63	4,9	7,99	1,63	4,9	6,01	1,87	3,21	3,95	2,03	1,95	3,19	2,49	1,28	3,19	2,49	1,28
	-10	9,44	1,8	5,24	9,03	1,88	4,8	6,79	2,06	3,3	4,47	2,23	2	3,61	2,3	1,57	3,61	2,3	1,57
	-7	10,24	2,01	5,09	9,1	2,11	4,31	6,84	2,31	2,96	4,5	2,5	1,8	4,03	2,69	1,5	4,03	2,69	1,5
	0	10,8	2,24	4,83	9,36	2,35	3,98	7,04	2,57	2,74	4,63	2,79	1,66	4,39	2,91	1,51	4,39	2,91	1,51
	2	11,11	2,41	4,62	9,53	2,57	3,71	7,16	2,81	2,55	4,72	3,05	1,55	4,72	3,05	1,55	4,72	3,05	1,55
	5	11,21	2,63	4,27	9,61	2,76	3,48	7,23	3,02	2,39	4,76	3,27	1,45	4,76	3,27	1,45	4,76	3,27	1,45
	7	11,43	2,78	4,11	9,67	2,9	3,34	7,27	3,17	2,29	4,79	3,44	1,39	4,79	3,44	1,39	4,79	3,44	1,39
	10	11,63	2,99	3,88	9,84	3,1	3,17	7,4	3,39	2,18	4,87	3,68	1,32	4,87	3,68	1,32	4,87	3,68	1,32
	15	12,14	3,18	3,82	10,28	3,29	3,12	7,73	3,6	2,15	5,09	3,9	1,3	5,09	3,9	1,3	5,09	3,9	1,3
	20	12,79	3,46	3,7	10,66	3,58	2,98	8,02	3,92	2,05	5,28	4,25	1,24	5,28	4,25	1,24	5,28	4,25	1,24
	25	13,63	3,7	3,68	11,15	3,83	2,91	8,38	4,19	2	5,52	4,51	1,22	5,52	4,51	1,22	5,52	4,51	1,22
	30	14,66	3,98	3,68	11,73	4,09	2,87	8,82	4,47	1,97	5,81	4,88	1,19	5,81	4,88	1,19	5,81	4,88	1,19
	35	15,13	4,03	3,76	12,11	4,39	2,76	9,1	4,8	1,9	5,99	5,24	1,14	5,99	5,24	1,14	5,99	5,24	1,14
	40	15,51	4,31	3,59	12,41	4,73	2,62	9,33	5,17	1,8	6,14	5,64	1,09	6,14	5,64	1,09	6,14	5,64	1,09
	45	15,91	4,55	3,5	12,73	5,06	2,52	9,57	5,54	1,73	6,3	6,04	1,04	6,3	6,04	1,04	6,3	6,04	1,04
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
65	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	6,68	1,43	4,67	6,68	1,43	4,67	5,02	1,64	3,06	3,31	1,78	1,86	2,67	2,19	1,22	2,67	2,19	1,22
	-10	7,99	1,57	5,09	7,64	1,67	4,58	5,75	1,83	3,15	3,78	1,98	1,91	3,06	2,04	1,5	3,06	2,04	1,5
	-7	9,34	1,79	5,21	8,3	1,88	4,41	6,24	2,06	3,03	4,11	2,23	1,84	3,68	2,39	1,54	3,68	2,39	1,54
	0	9,86	1,98	4,98	8,55	2,08	4,11	6,43	2,28	2,82	4,23	2,47	1,71	4,01	2,58	1,56	4,01	2,58	1,56
	2	10,24	2,16	4,74	8,78	2,27	3,87	6,6	2,48	2,66	4,34	2,69	1,61	4,34	2,69	1,61	4,34	2,69	1,61
	5	10,33	2,31	4,46	8,85	2,43	3,64	6,66	2,66	2,5	4,38	2,88	1,52	4,38	2,88	1,52	4,38	2,88	1,52
	7	10,53	2,48	4,25	8,91	2,6	3,43	6,7	2,84	2,36	4,41	3,09	1,43	4,41	3,09	1,43	4,41	3,09	1,43
	10	10,71	2,65	4,04	9,06	2,78	3,26	6,81	3,04	2,24	4,48	3,3	1,36	4,48	3,3	1,36	4,48	3,3	1,36
	15	11,18	2,88	3,89	9,46	3,02	3,13	7,12	3,3	2,15	4,68	3,58	1,31	4,68	3,58	1,31	4,68	3,58	1,31
	20	11,79	3,09	3,82	9,83	3,24	3,03	7,39	3,54	2,08	4,86	3,84	1,27	4,86	3,84	1,27	4,86	3,84	1,27
	25	12,55	3,32	3,77	10,26	3,49	2,94	7,72	3,82	2,02	5,08	4,11	1,24	5,08	4,11	1,24	5,08	4,11	1,24
	30	13,51	3,54	3,81	10,81	3,72	2,9	8,13	4,07	2	5,35	4,44	1,21	5,35	4,44	1,21	5,35	4,44	1,21
	35	13,95	3,81	3,66	11,16	4	2,79	8,39	4,38	1,92	5,52	4,77	1,16	5,52	4,77	1,16	5,52	4,77	1,16
	40	14,29	4,06	3,52	11,43	4,26	2,68	8,6	4,66	1,84	5,66	5,08	1,11	5,66	5,08	1,11	5,66	5,08	1,11
	45	14,66	4,33	3,38	11,73	4,55	2,58	8,82	4,98	1,77	5,81	5,43	1,07	5,81	5,43	1,07	5,81	5,43	1,07
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
70	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-10	6,5	1,25	5,2	6,22	1,33	4,68	4,68	1,46	3,21	3,08	1,58	1,95	2,49	1,63	1,53	2,49	1,63	1,53
	-7	8,26	1,49	5,56	7,34	1,56	4,71	5,52	1,71	3,24	3,63	1,85	1,96	3,25	1,99	1,64	3,25	1,99	1,64
	0	9,16	1,69	5,43	7,94	1,77	4,48	5,97	1,94	3,08	3,93	2,1	1,87	3,72	2,19	1,7	3,72	2,19	1,7
	2	9,56	1,86	5,15	8,2	1,95	4,2	6,16	2,13	2,89	4,06	2,31	1,75	4,06	2,31	1,75	4,06	2,31	1,75
	5	9,65	2,04	4,73	8,27	2,14	3,86	6,22	2,34	2,66	4,09	2,54	1,61	4,09	2,54	1,61	4,09	2,54	1,61
	7	9,83	2,2	4,47	8,32	2,31	3,6	6,26	2,53	2,48	4,12	2,74	1,5	4,12	2,74	1,5	4,12	2,74	1,5
	10	10	2,41	4,15	8,47	2,53	3,35	6,37	2,77	2,3	4,19	3	1,4	4,19	3	1,4	4,19	3	1,4
	15	10,45	2,61	4	8,84	2,74	3,23	6,65	3	2,22	4,38	3,25	1,35	4,38	3,25	1,35	4,38	3,25	1,35
	20	11,01	2,83	3,89	9,17	2,97	3,09	6,9	3,25	2,12	4,54	3,52	1,29	4,54	3,52	1,29	4,54	3,52	1,29
	25	11,72	3,03	3,87	9,59	3,18	3,02	7,21	3,48	2,07	4,75	3,74	1,27	4,75	3,74	1,27	4,75	3,74	1,27
	30	12,61	3,24	3,89	10,09	3,4	2,97	7,59	3,72	2,04	4,99	4,06	1,23	4,99	4,06	1,23	4,99	4,06	1,23
	35	13,01	3,47	3,75	10,41	3,64	2,86	7,83	3,98	1,97	5,15	4,34	1,19	5,15	4,34	1,19	5,15	4,34	1,19
	40	13,34	3,7	3,6	10,67	3,89	2,74	8,02	4,26	1,89	5,28	4,64	1,14	5,28	4,64	1,14	5,28	4,64	1,14
	45	13,69	3,93	3,48	10,95	4,13	2,65	8,24	4,52	1,82	5,42	4,93	1,1	5,42	4,93	1,1	5,42	4,93	1,1
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
75	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	0	8,02	1,38	5,8	6,95	1,45	4,79	5,22	1,59	3,29	3,44	1,72	2	3,26	1,8	1,81	3,26	1,8	1,81
	2	8,83	1,55	5,69	7,57	1,63	4,64	5,69	1,78	3,19	3,75	1,93	1,94	3,75	1,93	1,94	3,75	1,93	1,94
	5	8,91	1,75	5,08	7,63	1,84	4,15	5,74	2,01	2,85	3,78	2,18	1,73	3,78	2,18	1,73	3,78	2,18	1,73
	7	9,08	1,93	4,7	7,69	2,03	3,79	5,78	2,22	2,6	3,8	2,41	1,58	3,8	2,41	1,58	3,8	2,41	1,58
	10	9,24	2,12	4,35	7,82	2,23	3,51	5,88	2,44	2,41	3,87	2,65	1,46	3,87	2,65	1,46	3,87	2,65	1,46
	15	9,65	2,33	4,14	8,16	2,45	3,33	6,14	2,68	2,29	4,04	2,91	1,39	4,04	2,91	1,39	4,04	2,91	1,39
	20	10,17	2,54	4	8,48	2,67	3,17	6,37	2,92	2,18	4,2	3,17	1,32	4,2	3,17	1,32	4,2	3,17	1,32
	25	10,83	2,73	3,96	8,86	2,87	3,09	6,66	3,14	2,12	4,39	3,38	1,3	4,39	3,38	1,3	4,39	3,38	1,3
	30	11,65	2,92	3,98	9,32	3,07	3,04	7,01	3,36	2,09	4,61	3,66	1,26	4,61	3,66	1,26	4,61	3,66	1,26
	35	12,03	3,14	3,83	9,62	3,3	2,92	7,23											

5.3.2. Cooling capacity Warmondo WM-L (13 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
7	10	13,3	6,92	1,92	11,25	7,27	1,55	8,49	7,62	1,11	6,14	8,08	0,76	6,14	8,08	0,76	6,14	8,08	0,76
	20	13,43	4,99	2,69	11,51	5,24	2,2	8,69	5,49	1,58	5,76	5,82	0,99	5,76	5,82	0,99	5,76	5,82	0,99
	30	11,48	3,72	3,08	10,66	3,91	2,73	8,05	4,1	1,96	5,33	4,34	1,23	4,82	5,14	0,94	4,82	5,14	0,94
	35	9,52	2,98	3,2	9,52	2,98	3,2	7,19	3,21	2,24	4,76	3,72	1,28	4,28	4,2	1,02	4,28	4,2	1,02
	40	9,33	2,54	3,67	8,42	2,81	3	6,36	2,95	2,16	4,21	3,12	1,35	4,21	3,12	1,35	4,21	3,12	1,35
	45	7,7	2,28	3,38	6,75	2,52	2,68	5,1	2,64	1,93	3,65	2,8	1,3	3,65	2,8	1,3	3,65	2,8	1,3
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
15	10	13,97	8,13	1,72	11,82	8,53	1,39	8,92	8,95	1	6,45	9,48	0,68	6,45	9,48	0,68	6,45	9,48	0,68
	20	14,11	5,86	2,41	12,09	6,15	1,97	9,13	6,45	1,42	6,05	6,83	0,88	6,05	6,83	0,88	6,05	6,83	0,88
	30	12,28	4,29	2,86	11,4	4,51	2,53	8,61	4,73	1,82	5,7	5,01	1,14	5,16	5,93	0,87	5,16	5,93	0,87
	35	10	3,52	2,84	10	3,52	2,84	7,55	3,79	1,99	5	4,4	1,14	4,5	4,96	0,91	4,5	4,96	0,91
	40	9,8	3,01	3,25	8,84	3,33	2,65	6,67	3,49	1,91	4,42	3,7	1,19	4,42	3,7	1,19	4,42	3,7	1,19
	45	8,08	2,78	2,91	7,09	3,07	2,31	5,35	3,22	1,66	3,83	3,41	1,12	3,83	3,41	1,12	3,83	3,41	1,12
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
25	10	14,67	9,35	1,57	12,41	9,81	1,26	9,37	10,29	0,91	6,77	10,9	0,62	6,77	10,9	0,62	6,77	10,9	0,62
	20	14,81	6,81	2,17	12,69	7,15	1,77	9,58	7,5	1,28	6,35	7,95	0,8	6,35	7,95	0,8	6,35	7,95	0,8
	30	13,14	5,06	2,6	12,2	5,31	2,3	9,21	5,57	1,65	6,1	5,9	1,03	5,52	6,99	0,79	5,52	6,99	0,79
	35	11	4,12	2,67	11	4,12	2,67	8,31	4,44	1,87	5,5	5,14	1,07	4,95	5,8	0,85	4,95	5,8	0,85
	40	10,77	3,59	3	9,72	3,97	2,45	7,34	4,17	1,76	4,86	4,41	1,1	4,86	4,41	1,1	4,86	4,41	1,1
	45	8,89	3,45	2,58	7,8	3,81	2,04	5,89	4	1,47	4,21	4,24	0,99	4,21	4,24	0,99	4,21	4,24	0,99
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
35	10	15,4	10,96	1,4	13,03	11,51	1,13	9,84	12,07	0,82	7,11	12,79	0,56	7,11	12,79	0,56	7,11	12,79	0,56
	20	15,54	7,86	1,98	13,32	8,25	1,61	10,06	8,65	1,16	6,66	9,16	0,73	6,66	9,16	0,73	6,66	9,16	0,73
	30	14,06	5,9	2,38	13,06	6,2	2,11	9,86	6,5	1,52	6,53	6,89	0,95	5,91	8,15	0,72	5,91	8,15	0,72
	35	12,1	4,91	2,47	12,1	4,91	2,47	9,14	5,29	1,73	6,05	6,14	0,99	5,45	6,92	0,79	5,45	6,92	0,79
	40	11,85	4,31	2,75	10,69	4,77	2,24	8,07	5	1,62	5,35	5,3	1,01	5,35	5,3	1,01	5,35	5,3	1,01
	45	9,78	4,13	2,37	8,58	4,56	1,88	6,48	4,78	1,35	4,63	5,07	0,91	4,63	5,07	0,91	4,63	5,07	0,91

VT: Flow temperature
 AT: Dry temperature for outdoor air temperature
 KL: Cooling capacity
 EER: Energy Efficiency Ratio
 LA: Power consumption

5.4.1. Heat capacity Warmondo WM-XL (16 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
20	-25	8.52	2.13	3.99	8.52	2.13	3.99	6.41	2.45	2.61	4.22	2.76	1.53	3.41	3.26	1.05	3.41	3.26	1.05
	-20	10.24	2.54	4.04	10.24	2.54	4.04	7.7	2.91	2.64	5.07	3.16	1.6	4.1	3.88	1.06	4.1	3.88	1.06
	-15	11.48	2.92	3.93	11.48	2.92	3.93	8.63	3.36	2.57	5.68	3.64	1.56	4.59	4.47	1.03	4.59	4.47	1.03
	-10	13.92	3.19	4.37	13.15	3.35	3.93	9.89	3.66	2.7	6.51	3.97	1.64	5.26	4.09	1.29	5.26	4.09	1.29
	-7	14.49	3.65	3.97	12.88	3.83	3.36	9.68	4.19	2.31	6.37	4.55	1.4	5.7	4.88	1.17	5.7	4.88	1.17
	0	15.25	4.38	3.48	13.21	4.6	2.87	9.94	5.03	1.98	6.54	5.45	1.2	6.2	5.7	1.09	6.2	5.7	1.09
	2	15.63	5.07	3.08	13.39	5.32	2.52	10.07	5.82	1.73	6.63	6.31	1.05	6.63	6.31	1.05	6.63	6.31	1.05
	5	16.16	5.57	2.9	13.85	5.85	2.37	10.41	6.4	1.63	6.85	6.94	0.99	6.85	6.94	0.99	6.85	6.94	0.99
	7	16.73	5.95	2.81	14.15	6.24	2.27	10.64	6.83	1.56	7.01	7.41	0.95	7.01	7.41	0.95	7.01	7.41	0.95
	10	16.75	6.39	2.62	14.17	6.71	2.11	10.66	7.34	1.45	7.02	7.96	0.88	7.02	7.96	0.88	7.02	7.96	0.88
	15	17.03	6.84	2.49	14.41	7.18	2.01	10.83	7.86	1.38	7.13	8.52	0.84	7.13	8.52	0.84	7.13	8.52	0.84
	20	17.42	7.53	2.31	14.51	7.91	1.84	10.91	8.65	1.26	7.18	9.38	0.77	7.18	9.38	0.77	7.18	9.38	0.77
	25	17.96	8.42	2.13	14.69	8.85	1.66	11.05	9.68	1.14	7.27	10.41	0.7	7.27	10.41	0.7	7.27	10.41	0.7
	30	18.67	9.13	2.05	14.93	9.58	1.56	11.23	10.49	1.07	7.39	11.43	0.65	7.39	11.43	0.65	7.39	11.43	0.65
	35	18.56	9.8	1.89	14.85	10.29	1.44	11.17	11.26	0.99	7.35	12.27	0.6	7.35	12.27	0.6	7.35	12.27	0.6
	40	18.63	10.32	1.8	14.9	10.84	1.37	11.2	11.86	0.94	7.38	12.93	0.57	7.38	12.93	0.57	7.38	12.93	0.57
	45	18.76	10.68	1.76	15.01	11.21	1.34	11.29	12.26	0.92	7.43	13.37	0.56	7.43	13.37	0.56	7.43	13.37	0.56
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
25	-25	7.96	1.91	4.17	7.96	1.91	4.17	5.98	2.19	2.73	3.94	2.46	1.6	3.18	2.91	1.09	3.18	2.91	1.09
	-20	9.79	2.36	4.16	9.79	2.36	4.16	7.37	2.71	2.72	4.85	2.94	1.65	3.92	3.6	1.09	3.92	3.6	1.09
	-15	11.12	2.75	4.04	11.12	2.75	4.04	8.36	3.16	2.64	5.5	3.43	1.6	4.45	4.21	1.06	4.45	4.21	1.06
	-10	13.78	2.99	4.61	13.01	3.14	4.14	9.78	3.44	2.85	6.44	3.73	1.73	5.2	3.84	1.36	5.2	3.84	1.36
	-7	14.18	3.36	4.22	12.6	3.53	3.57	9.48	3.86	2.45	6.24	4.19	1.49	5.58	4.5	1.24	5.58	4.5	1.24
	0	14.93	4.03	3.7	12.94	4.23	3.06	9.73	4.63	2.1	6.41	5.02	1.27	6.08	5.25	1.16	6.08	5.25	1.16
	2	15.31	4.67	3.28	13.12	4.9	2.68	9.87	5.36	1.84	6.5	5.81	1.12	6.5	5.81	1.12	6.5	5.81	1.12
	5	15.84	5.08	3.12	13.58	5.33	2.55	10.21	5.83	1.75	6.72	6.32	1.06	6.72	6.32	1.06	6.72	6.32	1.06
	7	16.41	5.41	3.03	13.88	5.68	2.44	10.44	6.22	1.68	6.87	6.74	1.02	6.87	6.74	1.02	6.87	6.74	1.02
	10	16.43	5.85	2.81	13.9	6.14	2.26	10.45	6.72	1.56	6.88	7.28	0.94	6.88	7.28	0.94	6.88	7.28	0.94
	15	16.7	6.33	2.64	14.13	6.65	2.13	10.63	7.28	1.46	7	7.89	0.89	7	7.89	0.89	7	7.89	0.89
	20	17.09	6.97	2.45	14.24	7.32	1.95	10.71	8.01	1.34	7.05	8.68	0.81	7.05	8.68	0.81	7.05	8.68	0.81
	25	17.62	7.72	2.28	14.42	8.11	1.78	10.84	8.87	1.22	7.14	9.54	0.75	7.14	9.54	0.75	7.14	9.54	0.75
	30	18.33	8.42	2.18	14.66	8.84	1.66	11.03	9.67	1.14	7.26	10.54	0.69	7.26	10.54	0.69	7.26	10.54	0.69
	35	18.22	9.07	2.01	14.58	9.52	1.53	10.96	10.42	1.05	7.22	11.36	0.64	7.22	11.36	0.64	7.22	11.36	0.64
	40	18.28	9.61	1.9	14.63	10.09	1.45	11	11.04	1	7.24	12.04	0.6	7.24	12.04	0.6	7.24	12.04	0.6
	45	18.42	9.97	1.85	14.74	10.47	1.41	11.08	11.46	0.97	7.29	12.49	0.58	7.29	12.49	0.58	7.29	12.49	0.58
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
30	-25	7.69	1.76	4.37	7.69	1.76	4.37	5.78	2.02	2.86	3.81	2.27	1.67	3.08	2.69	1.14	3.08	2.69	1.14
	-20	9.66	2.19	4.41	9.66	2.19	4.41	7.27	2.52	2.89	4.78	2.73	1.75	3.87	3.35	1.16	3.87	3.35	1.16
	-15	10.75	2.6	4.14	10.75	2.6	4.14	8.09	2.98	2.71	5.32	3.23	1.65	4.3	3.97	1.08	4.3	3.97	1.08
	-10	13.66	2.81	4.86	12.9	2.95	4.37	9.7	3.23	3.01	6.39	3.5	1.82	5.16	3.61	1.43	5.16	3.61	1.43
	-7	14.09	3.11	4.53	12.52	3.26	3.84	9.42	3.57	2.64	6.2	3.87	1.6	5.55	4.16	1.33	5.55	4.16	1.33
	0	14.96	3.67	4.07	12.96	3.86	3.36	9.75	4.22	2.31	6.42	4.58	1.4	6.09	4.78	1.27	6.09	4.78	1.27
	2	15.33	4.19	3.66	13.14	4.4	2.99	9.88	4.81	2.05	6.51	5.22	1.25	6.51	5.22	1.25	6.51	5.22	1.25
	5	15.86	4.59	3.46	13.6	4.82	2.82	10.23	5.27	1.94	6.73	5.72	1.18	6.73	5.72	1.18	6.73	5.72	1.18
	7	16.43	4.89	3.36	13.9	5.13	2.71	10.46	5.61	1.86	6.88	6.09	1.13	6.88	6.09	1.13	6.88	6.09	1.13
	10	16.46	5.27	3.12	13.92	5.53	2.52	10.47	6.05	1.73	6.89	6.56	1.05	6.89	6.56	1.05	6.89	6.56	1.05
	15	16.73	5.72	2.92	14.16	6.01	2.36	10.65	6.58	1.62	7.01	7.13	0.98	7.01	7.13	0.98	7.01	7.13	0.98
	20	17.12	6.44	2.66	14.26	6.76	2.11	10.73	7.4	1.45	7.06	8.02	0.88	7.06	8.02	0.88	7.06	8.02	0.88
	25	17.65	7.12	2.48	14.44	7.48	1.93	10.86	8.18	1.33	7.15	8.81	0.81	7.15	8.81	0.81	7.15	8.81	0.81
	30	18.36	7.79	2.35	14.68	8.18	1.79	11.04	8.95	1.23	7.27	9.76	0.74	7.27	9.76	0.74	7.27	9.76	0.74
	35	18.25	8.22	2.22	14.6	8.63	1.69	10.98	9.45	1.16	7.23	10.3	0.7	7.23	10.3	0.7	7.23	10.3	0.7
	40	18.31	8.73	2.1	14.65	9.17	1.6	11.02	10.03	1.1	7.25	10.94	0.66	7.25	10.94	0.66	7.25	10.94	0.66
	45	18.45	9.18	2.01	14.76	9.64	1.53	11.1	10.55	1.05	7.31	11.5	0.64	7.31	11.5	0.64	7.31	11.5	0.64
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
35	-25	7.42	1.62	4.58	7.42	1.62	4.58	5.58	1.86	3	3.67	2.1	1.75	2.97	2.48	1.2	2.97	2.48	1.2
	-20	9.53	2.03	4.69	9.53	2.03	4.69	7.17	2.34	3.07	4.72	2.53	1.86	3.81	3.11	1.23	3.81	3.11	1.23
	-15	10.6	2.45	4.33	10.6	2.45	4.33	7.97	2.81	2.84	5.25	3.05	1.72	4.24	3.74	1.13	4.24	3.74	1.13
	-10	13.55	2.61	5.19	12.8	2.74	4.67	9.63	3	3.21	6.34	3.25	1.95	5.12	3.35	1.53	5.12	3.35	1.53
	-7	14.03	2.88	4.87	12.47	3.03	4.12	9.38	3.31	2.83	6.17	3.59	1.72	5.53	3.86	1.43	5.53	3.86	1.43
	0	14.9	3.36	4.43	12.91	3.53	3.66	9.71	3.86	2.51	6.39	4.19	1.53	6.08	4.38	1.38	6.08	4.38	1.38
	2	15.28	3.78	4.04	13.09	3.97	3.3	9.85	4.35	2.27	6.48	4.71	1.38	6.48	4.71	1.38	6.48	4.71	1.38
	5	15.81	4.16	3.8	13.55	4.38	3.09	10.19	4.8	2.12	6.71	5.2	1.29	6.71	5.2	1.29	6.71	5.2	1.29
	7	16.37	4.58	3.58	13.85	4.72	2.94	10.42	5.16	2.02	6.86	5.6	1.23	6.86	5.6	1.23	6.86	5.6	1.23
	10	16.4	4.85	3.38	13.87	5.02	2.76	10.43	5.49	1.9	6.87	5.95	1.15	6.87	5.95	1.15	6.87	5.95	1.15
	15	16.67	5.21	3.2	14.11	5.47	2.58	10.61	5.98	1.77	6.98	6.49	1.08	6.98	6.49	1.08	6.98	6.49	1.08
	20	17.06	5.83	2.93	14.21	6.12	2.32	10.69	6.7	1.6	7.04	7.26	0.97	7.04	7.26	0.97	7.04	7.26	0.97
	25	17.59	6.43	2.74	14.39	6.75	2.13	10.82	7.38	1.47	7.12	7.94	0.9	7.12	7.94	0.9	7.12	7.94	0.9
	30	18.29	6.92	2.64	14.63	7.27	2.01	11	7.95	1.38	7.24								

Heat capacity Warmondo WM-XL (16 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	PI	WL	COP	LA
40	-25	7.15	1.49	4.81	7.15	1.49	4.81	5.38	1.71	3.15	3.54	1.92	1.84	2.86	2.27	1.26	2.86	2.27	1.26
	-20	9.27	1.89	4.91	9.27	1.89	4.91	6.97	2.17	3.22	4.59	2.35	1.95	3.71	2.88	1.29	3.71	2.88	1.29
	-15	10.45	2.27	4.6	10.45	2.27	4.6	7.86	2.61	3.01	5.17	2.83	1.83	4.18	3.47	1.2	4.18	3.47	1.2
	-10	13.04	2.47	5.28	12.32	2.59	4.75	9.26	2.84	3.26	6.1	3.08	1.98	4.93	3.17	1.55	4.93	3.17	1.55
	-7	13.88	2.67	5.19	12.34	2.81	4.4	9.28	3.07	3.02	6.11	3.33	1.83	5.47	3.58	1.53	5.47	3.58	1.53
	0	14.75	3.05	4.83	12.78	3.21	3.99	9.61	3.51	2.74	6.33	3.8	1.66	6	3.97	1.51	6	3.97	1.51
	2	15.12	3.41	4.44	12.96	3.58	3.62	9.75	3.92	2.49	6.42	4.25	1.51	6.42	4.25	1.51	6.42	4.25	1.51
	5	15.65	3.74	4.19	13.42	3.93	3.42	10.09	4.3	2.35	6.64	4.66	1.43	6.64	4.66	1.43	6.64	4.66	1.43
	7	16.22	3.96	4.09	13.72	4.16	3.3	10.32	4.55	2.27	6.79	4.93	1.38	6.79	4.93	1.38	6.79	4.93	1.38
	10	16.24	4.25	3.82	13.74	4.47	3.08	10.33	4.89	2.11	6.8	5.3	1.28	6.8	5.3	1.28	6.8	5.3	1.28
	15	16.52	4.6	3.59	13.98	4.83	2.89	10.51	5.28	1.99	6.92	5.73	1.21	6.92	5.73	1.21	6.92	5.73	1.21
	20	16.9	5.08	3.33	14.08	5.34	2.64	10.59	5.84	1.81	6.97	6.33	1.1	6.97	6.33	1.1	6.97	6.33	1.1
	25	17.43	5.6	3.11	14.26	5.88	2.43	10.72	6.43	1.67	7.06	6.92	1.02	7.06	6.92	1.02	7.06	6.92	1.02
	30	18.13	6.06	2.99	14.5	6.36	2.28	10.91	6.96	1.57	7.18	7.59	0.95	7.18	7.59	0.95	7.18	7.59	0.95
	35	18.02	6.46	2.79	14.42	6.79	2.12	10.84	7.43	1.46	7.14	8.1	0.88	7.14	8.1	0.88	7.14	8.1	0.88
	40	18.09	6.9	2.62	14.47	7.24	2	10.88	7.93	1.37	7.16	8.64	0.83	7.16	8.64	0.83	7.16	8.64	0.83
	45	18.22	7.29	2.5	14.58	7.66	1.9	10.96	8.38	1.31	7.22	9.13	0.79	7.22	9.13	0.79	7.22	9.13	0.79
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	PI	WL	COP	PI
45	-25	6.88	1.37	5.03	6.88	1.37	5.03	5.17	1.57	3.29	3.41	1.77	1.93	2.75	2.09	1.32	2.75	2.09	1.32
	-20	8.94	1.75	5.1	8.94	1.75	5.1	6.72	2.02	3.34	4.43	2.19	2.03	3.58	2.68	1.33	3.58	2.68	1.33
	-15	10.19	2.12	4.81	10.19	2.12	4.81	7.66	2.43	3.15	5.04	2.64	1.91	4.08	3.24	1.26	4.08	3.24	1.26
	-10	12.58	2.32	5.43	11.88	2.43	4.89	8.93	2.66	3.36	5.88	2.88	2.04	4.75	2.97	1.6	4.75	2.97	1.6
	-7	13.49	2.49	5.42	11.99	2.62	4.58	9.02	2.86	3.15	5.93	3.1	1.91	5.31	3.33	1.59	5.31	3.33	1.59
	0	14.34	2.79	5.14	12.43	2.93	4.24	9.35	3.21	2.92	6.15	3.48	1.77	5.83	3.63	1.61	5.83	3.63	1.61
	2	14.71	3.1	4.75	12.61	3.25	3.88	9.48	3.56	2.66	6.24	3.86	1.62	6.24	3.86	1.62	6.24	3.86	1.62
	5	15.24	3.38	4.51	13.06	3.55	3.68	9.82	3.88	2.53	6.47	4.21	1.53	6.47	4.21	1.53	6.47	4.21	1.53
	7	15.8	3.57	4.43	13.37	3.75	3.57	10.05	4.1	2.45	6.62	4.45	1.49	6.62	4.45	1.49	6.62	4.45	1.49
	10	15.82	3.83	4.13	13.39	4.02	3.33	10.07	4.4	2.29	6.63	4.77	1.39	6.63	4.77	1.39	6.63	4.77	1.39
	15	16.1	4.11	3.92	13.62	4.31	3.16	10.24	4.72	2.17	6.74	5.12	1.32	6.74	5.12	1.32	6.74	5.12	1.32
	20	16.47	4.48	3.67	13.73	4.71	2.92	10.32	5.15	2	6.8	5.59	1.22	6.8	5.59	1.22	6.8	5.59	1.22
	25	17	4.87	3.49	13.91	5.11	2.72	10.46	5.59	1.87	6.88	6.02	1.14	6.88	6.02	1.14	6.88	6.02	1.14
	30	17.69	5.23	3.38	14.15	5.5	2.57	10.64	6.01	1.77	7	6.56	1.07	7	6.56	1.07	7	6.56	1.07
	35	17.58	5.62	3.13	14.06	5.9	2.39	10.58	6.45	1.64	6.96	7.03	0.99	6.96	7.03	0.99	6.96	7.03	0.99
	40	17.64	6.03	2.92	14.11	6.33	2.23	10.61	6.93	1.53	6.99	7.56	0.92	6.99	7.56	0.92	6.99	7.56	0.92
	45	17.78	6.4	2.78	14.22	6.72	2.12	10.7	7.35	1.46	7.04	8.02	0.88	7.04	8.02	0.88	7.04	8.02	0.88
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
50	-25	6.61	1.26	5.24	6.61	1.26	5.24	4.97	1.45	3.43	3.27	1.63	2.01	2.64	1.93	1.37	2.64	1.93	1.37
	-20	8.61	1.64	5.26	8.61	1.64	5.26	6.47	1.88	3.45	4.26	2.04	2.09	3.44	2.5	1.38	3.44	2.5	1.38
	-15	10.06	1.98	5.09	10.06	1.98	5.09	7.57	2.27	3.33	4.98	2.46	2.02	4.03	3.02	1.33	4.03	3.02	1.33
	-10	12.18	2.18	5.6	11.5	2.28	5.03	8.65	2.5	3.46	5.69	2.71	2.1	4.6	2.79	1.65	4.6	2.79	1.65
	-7	13.11	2.33	5.63	11.66	2.44	4.77	8.76	2.67	3.28	5.77	2.9	1.99	5.16	3.11	1.66	5.16	3.11	1.66
	0	13.96	2.57	5.44	12.1	2.7	4.49	9.1	2.95	3.08	5.99	3.2	1.87	5.68	3.34	1.7	5.68	3.34	1.7
	2	14.32	2.84	5.05	12.28	2.98	4.12	9.23	3.26	2.83	6.08	3.53	1.72	6.08	3.53	1.72	6.08	3.53	1.72
	5	14.85	3.08	4.82	12.73	3.24	3.93	9.57	3.54	2.7	6.3	3.84	1.64	6.3	3.84	1.64	6.3	3.84	1.64
	7	15.41	3.24	4.75	13.04	3.41	3.83	9.8	3.73	2.63	6.45	4.04	1.6	6.45	4.04	1.6	6.45	4.04	1.6
	10	15.43	3.47	4.44	13.06	3.65	3.58	9.82	3.99	2.46	6.46	4.33	1.49	6.46	4.33	1.49	6.46	4.33	1.49
	15	15.7	3.7	4.24	13.29	3.89	3.42	9.99	4.25	2.35	6.58	4.61	1.43	6.58	4.61	1.43	6.58	4.61	1.43
	20	16.07	3.99	4.02	13.4	4.19	3.19	10.07	4.59	2.19	6.63	4.98	1.33	6.63	4.98	1.33	6.63	4.98	1.33
	25	16.59	4.35	3.82	13.57	4.56	2.97	10.21	4.99	2.04	6.72	5.37	1.25	6.72	5.37	1.25	6.72	5.37	1.25
	30	17.27	4.67	3.7	13.82	4.9	2.82	10.39	5.36	1.94	6.84	5.85	1.17	6.84	5.85	1.17	6.84	5.85	1.17
	35	17.16	5.06	3.39	13.73	5.31	2.59	10.33	5.81	1.78	6.8	6.34	1.07	6.8	6.34	1.07	6.8	6.34	1.07
	40	17.23	5.46	3.16	13.78	5.73	2.4	10.36	6.27	1.65	6.82	6.84	1	6.82	6.84	1	6.82	6.84	1
	45	17.36	5.83	2.98	13.89	6.12	2.27	10.45	6.69	1.56	6.88	7.3	0.94	6.88	7.3	0.94	6.88	7.3	0.94
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
55	-25	6.19	1.14	5.45	6.19	1.14	5.45	4.66	1.31	3.57	3.07	1.47	2.09	2.48	1.74	1.43	2.48	1.74	1.43
	-20	8.18	1.48	5.51	8.18	1.48	5.51	6.15	1.7	3.61	4.05	1.85	2.19	3.27	2.27	1.44	3.27	2.27	1.44
	-15	9.69	1.78	5.44	9.69	1.78	5.44	7.29	2.05	3.56	4.8	2.22	2.16	3.88	2.72	1.42	3.88	2.72	1.42
	-10	11.39	1.99	5.72	10.89	2.07	5.25	8.19	2.27	3.61	5.39	2.46	2.19	4.36	2.53	1.72	4.36	2.53	1.72
	-7	13.07	2.14	6.1	11.62	2.25	5.17	8.73	2.46	3.55	5.75	2.67	2.15	5.15	2.86	1.8	5.15	2.86	1.8
	0	13.91	2.37	5.86	12.06	2.49	4.84	9.07	2.73	3.33	5.97	2.96	2.02	5.66	3.09	1.83	5.66	3.09	1.83
	2	14.27	2.57	5.56	12.24	2.74	4.46	9.2	3	3.07	6.06	3.25	1.86	6.06	3.25	1.86	6.06	3.25	1.86
	5	14.8	2.83	5.24	12.69	2.97	4.28	9.54	3.25	2.94	6.28	3.52	1.78	6.28	3.52	1.78	6.28	3.52	1.78
	7	15.36	3.04	5.06	13	3.17	4.1	9.77	3.46	2.82	6.43	3.92	1.64	6.43	3.74	1.72	6.43	3.74	1.72
	10	15.38	3.22	4.77	13.01	3.34	3.9	9.79	3.65	2.68	6.44	4.02	1.6	6.44	4.02	1.6	6.44	4.02	

Heat capacity Warmondo WM-XL (16 kW)

VT	AT	Maximum			100% (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
60	-25	5.91	1.05	5.6	5.91	1.05	5.6	4.44	1.21	3.67	2.93	1.36	2.15	2.36	1.61	1.47	2.36	1.61	1.47
	-20	7.65	1.33	5.74	7.65	1.33	5.74	5.75	1.53	3.75	3.79	1.66	2.28	3.06	2.04	1.5	3.06	2.04	1.5
	-15	9.19	1.59	5.78	9.19	1.59	5.78	6.91	1.83	3.78	4.55	1.98	2.3	3.68	2.43	1.51	3.68	2.43	1.51
	-10	10.98	1.77	6.21	10.5	1.84	5.7	7.9	2.02	3.91	5.2	2.19	2.38	4.2	2.25	1.86	4.2	2.25	1.86
	-7	12.41	1.97	6.29	11.03	2.07	5.33	8.29	2.26	3.66	5.46	2.46	2.22	4.89	2.64	1.85	4.89	2.64	1.85
	0	12.85	2.19	5.88	11.14	2.3	4.85	8.38	2.51	3.33	5.51	2.73	2.02	5.23	2.85	1.84	5.23	2.85	1.84
	2	13.45	2.36	5.7	11.53	2.52	4.58	8.67	2.76	3.15	5.71	2.99	1.91	5.71	2.99	1.91	5.71	2.99	1.91
	5	13.76	2.57	5.35	11.79	2.7	4.37	8.87	2.95	3	5.84	3.2	1.82	5.84	3.2	1.82	5.84	3.2	1.82
	7	14.13	2.72	5.19	11.96	2.84	4.22	8.99	3.1	2.9	5.92	3.37	1.76	5.92	3.37	1.76	5.92	3.37	1.76
	10	14.43	2.93	4.93	12.21	3.03	4.03	9.18	3.31	2.77	6.04	3.59	1.68	6.04	3.59	1.68	6.04	3.59	1.68
	15	14.6	3.11	4.69	12.35	3.22	3.83	9.29	3.53	2.63	6.11	3.82	1.6	6.11	3.82	1.6	6.11	3.82	1.6
	20	14.99	3.38	4.44	12.49	3.5	3.57	9.39	3.83	2.45	6.18	4.15	1.49	6.18	4.15	1.49	6.18	4.15	1.49
	25	15.45	3.63	4.26	12.64	3.75	3.37	9.51	4.1	2.32	6.26	4.42	1.42	6.26	4.42	1.42	6.26	4.42	1.42
	30	16.1	3.89	4.13	12.88	4	3.22	9.69	4.38	2.21	6.38	4.77	1.34	6.38	4.77	1.34	6.38	4.77	1.34
	35	16.19	3.94	4.11	12.95	4.29	3.02	9.74	4.7	2.07	6.41	5.12	1.25	6.41	5.12	1.25	6.41	5.12	1.25
	40	16.35	4.22	3.87	13.08	4.63	2.83	9.84	5.06	1.94	6.47	5.52	1.17	6.47	5.52	1.17	6.47	5.52	1.17
	45	16.76	4.45	3.76	13.41	4.95	2.71	10.08	5.42	1.86	6.64	5.91	1.12	6.64	5.91	1.12	6.64	5.91	1.12
VT	AT	Maximum			100% (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
65	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	7.59	1.4	5.43	7.59	1.4	5.43	5.71	1.61	3.56	3.76	1.74	2.16	3.04	2.14	1.42	3.04	2.14	1.42
	-10	10.12	1.53	6.6	9.68	1.63	5.93	7.28	1.78	4.08	4.79	1.94	2.48	3.87	1.99	1.94	3.87	1.99	1.94
	-7	11.19	1.76	6.37	9.95	1.84	5.4	7.48	2.02	3.71	4.92	2.19	2.25	4.41	2.35	1.88	4.41	2.35	1.88
	0	11.98	1.93	6.19	10.38	2.03	5.11	7.81	2.22	3.51	5.14	2.41	2.13	4.87	2.52	1.94	4.87	2.52	1.94
	2	12.19	2.11	5.77	10.45	2.22	4.71	7.86	2.43	3.24	5.17	2.63	1.97	5.17	2.63	1.97	5.17	2.63	1.97
	5	12.32	2.27	5.43	10.56	2.38	4.44	7.94	2.6	3.05	5.23	2.82	1.85	5.23	2.82	1.85	5.23	2.82	1.85
	7	12.57	2.42	5.19	10.64	2.54	4.18	8	2.78	2.87	5.27	3.02	1.74	5.27	3.02	1.74	5.27	3.02	1.74
	10	12.66	2.59	4.88	10.71	2.72	3.93	8.05	2.98	2.7	5.3	3.23	1.64	5.3	3.23	1.64	5.3	3.23	1.64
	15	12.94	2.81	4.6	10.95	2.95	3.71	8.23	3.23	2.55	5.42	3.5	1.55	5.42	3.5	1.55	5.42	3.5	1.55
	20	13.26	3.02	4.38	11.05	3.18	3.48	8.31	3.47	2.39	5.47	3.77	1.45	5.47	3.77	1.45	5.47	3.77	1.45
	25	13.74	3.26	4.22	11.24	3.42	3.29	8.45	3.74	2.26	5.56	4.02	1.38	5.56	4.02	1.38	5.56	4.02	1.38
	30	14.48	3.46	4.18	11.58	3.64	3.18	8.71	3.98	2.19	5.73	4.34	1.32	5.73	4.34	1.32	5.73	4.34	1.32
	35	14.69	3.73	3.94	11.75	3.91	3	8.84	4.28	2.06	5.82	4.67	1.25	5.82	4.67	1.25	5.82	4.67	1.25
	40	15.29	3.97	3.85	12.23	4.17	2.93	9.2	4.57	2.01	6.05	4.98	1.22	6.05	4.98	1.22	6.05	4.98	1.22
	45	16.23	4.24	3.83	12.98	4.45	2.92	9.76	4.87	2	6.43	5.31	1.21	6.43	5.31	1.21	6.43	5.31	1.21
VT	AT	Maximum			100% (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
70	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-10	7.18	1.23	5.86	6.87	1.3	5.27	5.17	1.43	3.62	3.4	1.55	2.2	2.75	1.59	1.72	2.75	1.59	1.72
	-7	9.37	1.46	6.43	8.33	1.53	5.44	6.27	1.68	3.74	4.12	1.82	2.27	3.69	1.95	1.89	3.69	1.95	1.89
	0	10.82	1.65	6.56	9.38	1.73	5.41	7.05	1.9	3.72	4.64	2.06	2.26	4.4	2.15	2.05	4.4	2.15	2.05
	2	10.91	1.82	6.01	9.35	1.91	4.9	7.03	2.09	3.37	4.63	2.26	2.05	4.63	2.26	2.05	4.63	2.26	2.05
	5	11.08	1.99	5.56	9.49	2.09	4.54	7.14	2.29	3.12	4.7	2.48	1.9	4.7	2.48	1.9	4.7	2.48	1.9
	7	11.34	2.16	5.26	9.6	2.26	4.24	7.22	2.48	2.91	4.75	2.69	1.77	4.75	2.69	1.77	4.75	2.69	1.77
	10	11.41	2.36	4.84	9.65	2.47	3.9	7.26	2.71	2.68	4.78	2.93	1.63	4.78	2.93	1.63	4.78	2.93	1.63
	15	11.68	2.55	4.57	9.88	2.68	3.69	7.43	2.93	2.53	4.89	3.18	1.54	4.89	3.18	1.54	4.89	3.18	1.54
	20	12	2.77	4.34	10	2.9	3.44	7.52	3.18	2.37	4.95	3.45	1.44	4.95	3.45	1.44	4.95	3.45	1.44
	25	12.52	2.96	4.22	10.24	3.11	3.29	7.7	3.41	2.26	5.07	3.66	1.38	5.07	3.66	1.38	5.07	3.66	1.38
	30	13.13	3.16	4.15	10.5	3.32	3.16	7.9	3.64	2.17	5.2	3.96	1.31	5.2	3.96	1.31	5.2	3.96	1.31
	35	13.43	3.39	3.96	10.74	3.56	3.01	8.08	3.9	2.07	5.32	4.25	1.25	5.32	4.25	1.25	5.32	4.25	1.25
	40	14.04	3.63	3.87	11.23	3.81	2.95	8.44	4.17	2.03	5.56	4.55	1.22	5.56	4.55	1.22	5.56	4.55	1.22
	45	15.06	3.85	3.92	12.05	4.04	2.98	9.06	4.42	2.05	5.96	4.82	1.24	5.96	4.82	1.24	5.96	4.82	1.24
VT	AT	Maximum			100% (Normal)			75 %			50 %			25 %			Minimum		
		WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA	WL	COP	LA
75	-25	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-20	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-15	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	-7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	0	9.14	1.35	6.76	7.92	1.42	5.58	5.96	1.55	3.84	3.92	1.68	2.33	3.72	1.76	2.11	3.72	1.76	2.11
	2	10.06	1.52	6.61	8.62	1.6	5.4	6.48	1.75	3.71	4.27	1.9	2.25	4.27	1.9	2.25	4.27	1.9	2.25
	5	10.13	1.71	5.91	8.68	1.8	4.83	6.53	1.97	3.32	4.3	2.13	2.01	4.3	2.13	2.01	4.3	2.13	2.01
	7	10.31	1.89	5.46	8.73	1.98	4.4	6.56	2.17	3.02	4.32	2.35	1.84	4.32	2.35	1.84	4.32	2.35	1.84
	10	10.38	2.08	5	8.78	2.18	4.03	6.6	2.39	2.77	4.35	2.59	1.68	4.35	2.59	1.68	4.35	2.59	1.68
	15	10.64	2.29	4.65	9.01	2.4	3.75	6.77	2.63	2.58	4.46	2.85	1.56	4.46	2.85	1.56	4.46	2.85	1.56
	20	10.99	2.49	4.42	9.16	2.61	3.5	6.89	2.86	2.41	4.53	3.1	1.46	4.53	3.1	1.46	4.53	3.1	1.46
	25	11.45	2.67	4.28	9.37	2.81	3.34	7.04	3.07	2.29	4.64	3.3	1.4	4.64	3.3	1.4	4.64	3.3	1.4
	30	12.03	2.86	4.21	9.63	3	3.21	7.24	3.28	2.2	4.76	3.58	1.33	4.76	3.58	1.33	4.76	3.58	1.33
	35	12.51	3.07	4.07	10.01	3.23	3.1	7.53	3.53	2.13	4.95	3.85	1.29	4.95	3.85	1.29	4.95		

5.4.2. Cooling capacity Warmondo WM-L (16 kW)

VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
7	10	15,41	6,12	2,52	13,04	6,42	2,03	9,85	6,74	1,46	7,11	7,14	1	7,11	7,14	1	7,11	7,14	1
	20	14,95	4,36	3,43	12,81	4,58	2,8	9,67	4,8	2,02	6,41	5,08	1,26	6,41	5,08	1,26	6,41	5,08	1,26
	30	13,66	3,41	4	12,68	3,58	3,54	9,57	3,76	2,55	6,34	3,98	1,59	5,74	4,71	1,22	5,74	4,71	1,22
	35	11,74	3,07	3,82	11,74	3,07	3,82	8,86	3,31	2,67	5,87	3,84	1,53	5,28	4,33	1,22	5,28	4,33	1,22
	40	10,24	2,6	3,94	9,24	2,87	3,22	6,98	3,01	2,32	4,62	3,19	1,45	4,62	3,19	1,45	4,62	3,19	1,45
	45	8,24	2,4	3,43	7,23	2,66	2,72	5,46	2,79	1,96	3,9	2,95	1,32	3,9	2,95	1,32	3,9	2,95	1,32
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
15	10	16,72	7,4	2,26	14,15	7,77	1,82	10,68	8,15	1,31	7,72	8,64	0,89	7,72	8,64	0,89	7,72	8,64	0,89
	20	16,21	5,23	3,1	13,89	5,49	2,53	10,49	5,76	1,82	6,95	6,1	1,14	6,95	6,1	1,14	6,95	6,1	1,14
	30	14,56	3,9	3,73	13,52	4,1	3,3	10,21	4,3	2,38	6,76	4,55	1,49	6,12	5,39	1,13	6,12	5,39	1,13
	35	12,42	3,49	3,56	12,42	3,49	3,56	9,38	3,76	2,49	6,21	4,36	1,42	5,59	4,92	1,14	5,59	4,92	1,14
	40	11,27	3,14	3,59	10,17	3,47	2,93	7,68	3,64	2,11	5,09	3,86	1,32	5,09	3,86	1,32	5,09	3,86	1,32
	45	9,06	2,97	3,05	7,95	3,29	2,42	6	3,44	1,74	4,29	3,65	1,18	4,29	3,65	1,18	4,29	3,65	1,18
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
25	10	18,14	8,97	2,02	15,35	9,42	1,63	11,59	9,87	1,17	8,37	10,46	0,8	8,37	10,46	0,8	8,37	10,46	0,8
	20	17,41	6,32	2,76	14,92	6,63	2,25	11,26	6,95	1,62	7,46	7,37	1,01	7,46	7,37	1,01	7,46	7,37	1,01
	30	15,6	4,91	3,18	14,49	5,16	2,81	10,94	5,41	2,02	7,25	5,73	1,26	6,55	6,78	0,97	6,55	6,78	0,97
	35	13,36	4,38	3,05	13,36	4,38	3,05	10,09	4,72	2,14	6,68	5,48	1,22	6,01	6,18	0,97	6,01	6,18	0,97
	40	12,28	3,83	3,21	11,08	4,23	2,62	8,37	4,43	1,89	5,54	4,7	1,18	5,54	4,7	1,18	5,54	4,7	1,18
	45	9,98	3,6	2,77	8,75	3,98	2,2	6,61	4,17	1,58	4,73	4,42	1,07	4,73	4,42	1,07	4,73	4,42	1,07
VT	AT	Maximum			100 % (Normal)			75 %			50 %			25 %			Minimum		
		KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA	KL	EER	LA
35	10	19,55	10,43	1,87	16,54	10,95	1,51	12,49	11,49	1,09	9,02	12,17	0,74	9,02	12,17	0,74	9,02	12,17	0,74
	20	18,78	7,34	2,56	16,1	7,7	2,09	12,16	8,08	1,5	8,05	8,56	0,94	8,05	8,56	0,94	8,05	8,56	0,94
	30	16,76	5,63	2,97	15,56	5,92	2,63	11,75	6,2	1,89	7,78	6,57	1,18	7,04	7,78	0,9	7,04	7,78	0,9
	35	14,33	5,08	2,82	14,33	5,08	2,82	10,82	5,48	1,97	7,17	6,35	1,13	6,45	7,16	0,9	6,45	7,16	0,9
	40	13,21	4,48	2,95	11,92	4,95	2,41	9	5,19	1,74	5,96	5,5	1,08	5,96	5,5	1,08	5,96	5,5	1,08
	45	10,97	4,35	2,52	9,62	4,81	2	7,26	5,04	1,44	5,19	5,34	0,97	5,19	5,34	0,97	5,19	5,34	0,97

VT: Flow temperature
AT: Dry temperature for outdoor air temperature
KL: Cooling capacity
EER: Energy Efficiency Ratio
LA: Power consumption

6. Sound level

1. The sound level or sound pressure level is measured in a semi-anechoic chamber at a position 1 m in front of the device and $(1+H)/2$ m (where H is the height of the device) above the floor. During actual operation, the sound level or sound pressure level may be higher due to ambient noise.

2. dB(A) is the maximum value measured under the following conditions:

outside air temperature 7/6 °C (air temperature/air temperature taking humidity into account) and the

flow temperature 35/55 °C.

Sound level

Model	W35/W55
WM-S	47/46 dB(A)
WM-M	54/54 dB(A)
WM-L	55/55 dB(A)
WM-XL	53/54 dB(A)

Sound pressure level

Model	W35/W55
WM-S	32/31 dB(A)
WM-M	38/38 dB(A)
WM-L	40/39 dB(A)
WM-XL	38/39 dB(A)

