



**WAMAK**

## Heat pump



SCROLL



EC FAN



EEV



APS SYS



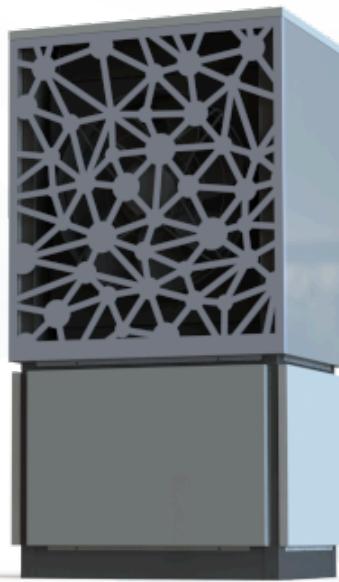
HEAT COOL



WEB APP



pssst ...



*AiWa 11 EVI*  
*H Out*

# WAMAK AiWa 11 EVI H Out

## Product description

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Compact air-to-water heat pump for heating, cooling and domestic hot water with the possibility of installation either in the utility room or outdoors. A short closed refrigerant circuit with a silent scroll compressor at the bottom under the fan simplifies installation and helps for long-term stable operation.

Use for single-family houses and smaller buildings with a heat output requirement of up to 20 kW. The COMFORT range includes robust heat pump internal refrigerant circuit parts as well as all the measuring, distribution and control elements required by today's modern climate technology in single-family houses.

The primary source is the heat energy from the ambient air, which is blown by a silent fan in the shape of an owl's wing through a heat exchanger made of copper and aluminium.

The EVI ( Enhanced Vapour Injection ) technology allows the heat pump to achieve higher header flow temperatures even at lower source temperatures. EVI also has a positive impact on the compressor lifespan and overall system stability because the discharge gas temperature from the compressor is lower.

The APS ( Active Process Subcooling ) system simultaneously increases the stability and efficiency of operation by additional utilisation of the liquid refrigerant temperature after it has condensed.

Outdoor monoblock

## Product features

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- Scroll compressor
- EVI technology
- Asymmetric plate heat exchanger
- Active cooling
- Enhanced defrosting with APS system
- Heated drip tray
- Phase and rotation control
- High pressure sensor - analogue
- Flow switch consumer - on/off - (with accessory)
- ECM speed circulator - condenser
- Direct heating/cooling circuit control - (with accessory)
- DHW circulation control - (with accessory)
- DHW temperature sensor
- Cascade control - (with accessory)
- Solid frame structure
- Sylomer pads under compressor unit
- Electronic expansion valve
- Large air heat exchanger with APS system
- Reversible defrosting
- Speed - controlled EC fan
- Compressor soft starter
- High pressure switch
- Low pressure sensor - analogue
- Flow sensor consumer - analogue
- Mixed heating/cooling circuit control - (with accessory)
- DHW switching control - (with accessory)
- Outdoor temperature sensor
- Buffer temperature sensor
- Modbus connection - (with accessory)

## Basic performance data - WAMAK AiWa 11 EVI H Out

Heating - EN 14511		
<b>Heating capacity [kW]</b>	A7 / W35	12.4
	A2 / W35	10.6
	A-7 / W34	8.8
<b>Electrical power input [kW]</b>	A7 / W35	2.5
	A2 / W35	2.6
	A-7 / W34	2.5
<b>Heating efficiency faktor [COP]</b>	A7 / W35	4.85
	A2 / W35	4.12
	A-7 / W34	3.49
Seasonal space heating energy efficiency - SCOP EN 14825		
Average Climate / Low Temperature [35°C]	SCOP	4.77
	η [ % ]	190.9
	Label	A+++
	Qhe [ kWh ]	20453.4
	Pdesignh [ kW ]	9.9
	Tbivalent [ °C ]	-7
Cooling		
<b>Cooling capacity - [kW]</b>	A35 / W23-18	11.5
	A25 / W23-18	12.3
	A35 / W12-7	8.6
	A25 / W12-7	8.6
Seasonal space cooling energy efficiency - SEER EN 14825		
[ W 23 / 18°C ]	SEER	4.69
	Qce [ kWh ]	5160.0
	ηc [ % ]	187.5
Sound EN 12102		
<b>Acoustic power - Lw</b>	dB(A)	56.8
<b>Acoustic pressure - Lp</b>	<b>1 m</b> dB(A)	48.8
	<b>5 m</b> dB(A)	34.8
	<b>10 m</b> dB(A)	28.8
Mechanical and operational information		
<b>Compressor type (3~ 400/50)</b>	SCROLL / 1 /	On/Off
<b>Refrigerant</b>	R410A (GWP - 2088)	5 kg
<b>Operating limit temperatures heating - (min / max ) [ °C ]</b>	25 / 65	
<b>Operating limit temperatures source - (min / max ) [ °C ]</b>	-22 / 40	
<b>Weight</b>	275 kg	

## Main technical data - WAMAK AiWa 11 EVI H Out

Enclosure type			Heat energy rejection side data				
			Operating limit temperatures heating	MAX [°C]	65		
			MIN [°C]	25			
for more see operating limits diagram							
Basic dimensions	Height [mm]	1760	Condenser	Port size	1 "		
	Width [mm]	920		Type	BPHE		
	Length [mm]	660		Count	1		
	Weight [kg]	275		Material	AISI 316		
Colour							
Enclosure IP Class							
Refrigeration cycle							
Compressor	Type	Scroll	Maximal operating pressure - refrigerant [bar]				
	Number of stages	1	45				
	On/Off		Maximal operating pressure - Water [bar]				
	Power factor Cosφ	0.79	6				
	Winding resistance	3.20 Ohm	Testing pressure [bar]				
Refrigerant			70				
			Heat transfer medium				
			Water				
			Volume flow @ dT 5K (nom) - Water [m³/h]				
			2.13				
			Internal pressure drop - Water [kPa]				
			12				
			ECM speed circulator - condenser				
			UPM3 25-75				
			Flow sensor consumer - analogue				
			0..10V				
			Temperature difference	@ 35°C (nom)	5 K		
				@ 55°C	8 K		
				@ 65°C	10 K		
Renewable energy extraction side data							
			Operating limit temperatures source	MIN [°C]	-22		
				MAX [°C]	40		
for more see operating limits diagram							
Evaporator	Type	Cu-coil /Al-fin					
	Count	1					
	Material	Cu/Al					
	Maximal operating pressure - refrigerant [bar]			28			
			Heat transfer medium				
			Air				
			Volume flow - Air [m³/h]				
			3930				
			Internal pressure drop - Air [kPa]				
			0.023				
			Temperature difference - Air				
			7 K				
			Number of fans				
			1				
			Fan diameter [mm]				
			630				
Electrical connection data							
Line voltage [#~ V/Hz]			3~ 400/50				
Current	nominal [A]	4.28					
	maximal [A]	9.20					
	starting [A]	11.55					
Softstart			MCI 12				
Main safety			C20				
Control System							
Main controller	SIEMENS	RVS 21 AVS 55.199					
Extension module	AVS75.3xx	AVS75.3xx	AVS75.372				
Bus Clip-In	LPB OCI346		Modbus OCI352				
Online connection	Web server OZW672		ToSyMo				
Superheat controller	1 - EEV H/C						
*** with accessory							

# WAMAK AiWa 11 EVI H Out

ErP (EU) No 811/2013: Technical parameters for heat pump space heaters

Model	AiWa 11 EVI H Out		
Air-to-water heat pump		yes	
Brine-to-water heat pump		no	
Water-to-water heat pump		no	
Low-temperature heat pump		no	
Equipped with a supplementary heater		no	
Heat pump combination heater		no	
Temperature application		low (35 °C - 30 °C)	
Climate conditions		average	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output at Tdesignh	Prated	9.9	kW	Seasonal space heating energy efficiency	ηs	190.9	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	8.8	kW	Tj = -7 °C	COPd	3.49	-
Tj = +2 °C	Pdh	10.6	kW	Tj = +2 °C	COPd	4.7	-
Tj = +7 °C	Pdh	12.3	kW	Tj = +7 °C	COPd	6.1	-
Tj = +12 °C	Pdh	14.3	kW	Tj = +12 °C	COPd	8.2	-
Tj = bivalent temperature	Pdh	8.5	kW	Tj = bivalent temperature	COPd	3.3	-
Tj = operation limit temperature	Pdh	6.2	kW	Tj = operation limit temperature	COPd	2.4	-
Bivalent temperature	Tbiv	-7	°C	Tj = operation limit temperature	TOL	-22	°C
Power consumption in modes other than active mode				Heating water operating limit temperature	WTOL	65	°C
Off mode	Poff	0.010	kW	Supplementary heater			
Thermostat-off mode	Pto	0.010	kW	Rated heat output	Psup	4.4	kW
Standby mode	Psb	0.010	kW	Type of energy input		electricity	
Crankcase heater mode	Pck	0.020	kW	For air-to-water heat pumps: Rated air flow rate, outdoors	-	3930	m3/h
Other items				For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	---	m3/h
Capacity control		fixed		Annual energy consumption	QHE	20453.4	kWh
Sound power level							
indoors	Lwa	---	dB				
outdoors	Lwa	57	dB				

Contact details: WAMAK, s.r.o., Orovnicá 252, 96652, Orovnicá, Slovakia, info@wamak.sk

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Model	AiWa 11 EVI H Out		
Air-to-water heat pump		yes	
Brine-to-water heat pump		no	
Water-to-water heat pump		no	
Low-temperature heat pump		no	
Equipped with a supplementary heater		no	
Heat pump combination heater		no	
Temperature application		middle (55 °C - 47 °C)	
Climate conditions		average	

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output at Tdesignh	Prated	10.5	kW	Seasonal space heating energy efficiency	ηs	143.7	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj			
Tj = -7 °C	Pdh	9.2	kW	Tj = -7 °C	COPd	2.32	-
Tj = +2 °C	Pdh	10.7	kW	Tj = +2 °C	COPd	3.5	-
Tj = +7 °C	Pdh	12.4	kW	Tj = +7 °C	COPd	4.7	-
Tj = +12 °C	Pdh	14.3	kW	Tj = +12 °C	COPd	6.7	-
Tj = bivalent temperature	Pdh	9.0	kW	Tj = bivalent temperature	COPd	2.1	-
Tj = operation limit temperature	Pdh	7.1	kW	Tj = operation limit temperature	COPd	1.7	-
Bivalent temperature	Tbiv	-7	°C	Tj = operation limit temperature	TOL	-22	°C
Power consumption in modes other than active mode				Heating water operating limit temperature	WTOL	65	°C
Off mode	Poff	0.010	kW	Supplementary heater			
Thermostat-off mode	Pto	0.010	kW	Rated heat output	Psup	4.4	kW
Standby mode	Psb	0.010	kW	Type of energy input		electricity	
Crankcase heater mode	Pck	0.020	kW	For air-to-water heat pumps: Rated air flow rate, outdoors	-	3930	m3/h
Other items				For water- or brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger	-	---	m3/h
Capacity control		fixed		Annual energy consumption	QHE	21693.0	kWh
Sound power level							
indoors	Lwa	---	dB				
outdoors	Lwa	57	dB				

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**ENERG**  
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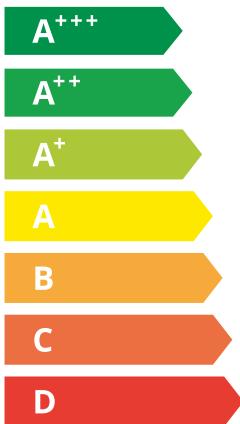
**WAMAK**

AiWa 11 EVI H Out



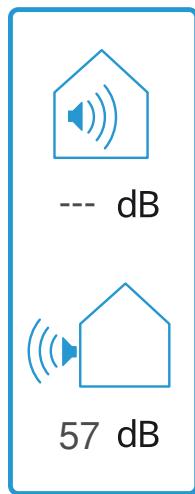
55 °C

35 °C

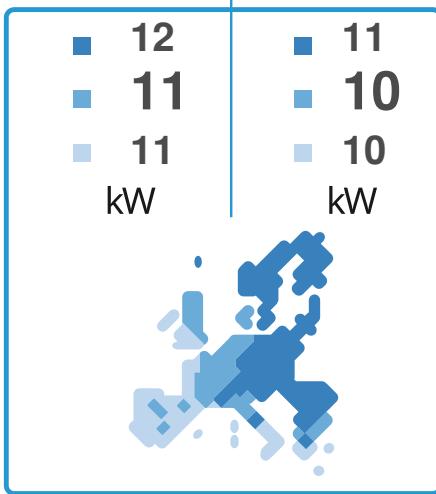


← A++

A+++



2019



811/2013

AiWa 11 EVI H Out

**ErP Data**

	55 °C	35 °C
Energy class	A++	A+++
η	[ % ]	143.7 190.9
P <sub>rated</sub>	[ kW ]	11 10
Q <sub>HE</sub>	[ kWh/y ]	21693 20454
SCOP	[ - ]	3.59 4.77
T <sub>bivalent</sub>	[ °C ]	-7 -7

CONTROLLER



+ QAA55/75

- QAA55/75

class **VII**

class **III**

3.5% ↓

1.5% ↓

**Heating performance data**

Version: v2024.004-AW

**Average Climate / Low Temperature [35°C]**

ZHI11K1P-TFM\_R410A\_1\_AW

Operating conditions		Qh	P	COP
1	A7 / W30-35	12.4	2.5	4.85
2	A2 / W35	10.6	2.6	4.12
3	A-22 / W35	6.2	2.5	2.45
A	A-7 / W34	8.8	2.5	3.49
B	A2 / W30	10.6	2.3	4.66
C	A7 / W27	12.3	2.0	6.05
D	A12 / W24	14.3	1.7	8.24
E	A-10 / W35	8.5	2.6	3.29
F	A-7 / W34	8.8	2.5	3.49

**SCOP DATA EN 14825:2018**

Average Climate / Low Temperature [35°C]	
SCOPon	4.91
SCOPnet	4.95
SCOP	4.77
η [ % ]	190.93
Label	A+++
Qh [ kWh ]	20453.40
Pdesignh [ kW ]	9.9
Tbivalent [ °C ]	-7.00

**Average Climate / Medium Temperature [55°C]**

Operating conditions		Qh	P	COP
1	A7 / W47-55	12.3	4.3	2.88
2	A2 / W55	10.9	4.3	2.53
3	A-22 / W55	7.1	4.0	1.66
A	A-7 / W52	9.2	4.0	2.32
B	A2 / W42	10.7	3.1	3.46
C	A7 / W36	12.4	2.6	4.72
D	A12 / W30	14.3	2.1	6.75
E	A-10 / W55	9.0	4.3	2.11
F	A-7 / W55	9.3	4.3	2.17

**SCOP DATA EN 14825:2018**

Average Climate / Medium Temperature [55°C]	
SCOPon	3.66
SCOPnet	3.69
SCOP	3.59
η [ % ]	143.70
Label	A++
Qh [ kWh ]	21693.00
Pdesignh [ kW ]	10.5
Tbivalent [ °C ]	-7.00

**Cooling performance data****Low temperature cooling W 12 / 7°C**

Operating conditions		Qc	P	EER
A	A35 / W12-7	8.6	3.2	2.71
B	A30 / W12-7	8.9	2.8	3.19
C	A25 / W12-7	9.2	2.4	3.75
D	A20 / W12-7	9.4	2.1	4.40

**SEER DATA EN 14825:2018 [ W 12 / 7°C ]**

SEERon	3.64
SEER	3.52
Qc [ kWh ]	5160.00
η [ % ]	140.89

**Radiant cooling W 23 / 18°C**

Operating conditions		Qc	P	EER
A	A35 / W23-18	11.5	3.2	3.65
B	A30 / W23-18	11.9	2.5	4.30
C	A25 / W23-18	12.3	2.2	5.05
D	A20 / W23-18	12.7	1.8	5.92

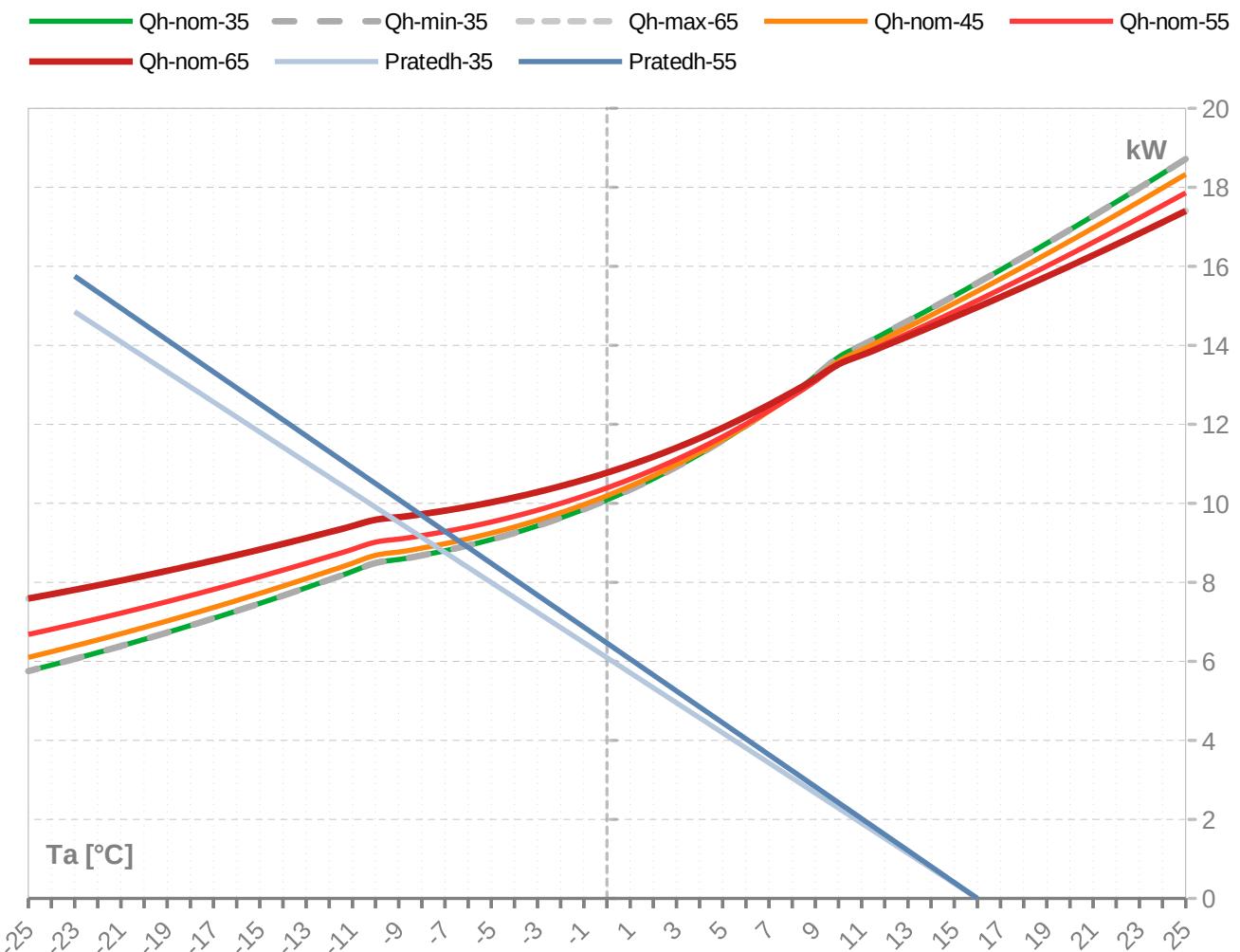
**SEER DATA EN 14825:2018 [ W 23 / 18°C ]**

SEERon	4.90
SEER	4.69
Qc [ kWh ]	5160.00
η [ % ]	187.55

# WAMAK AiWa 11 EVI H Out

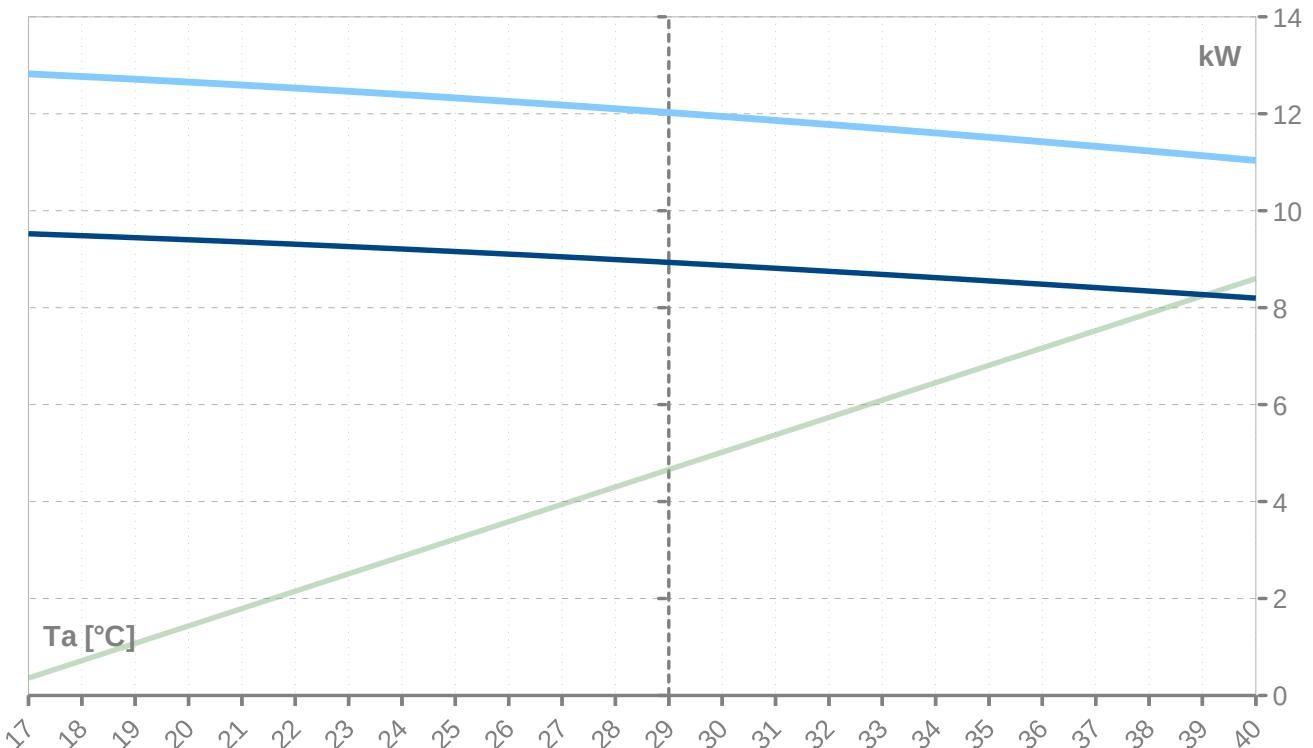
## Performance lines - heating

ZHI11K1P-TFM\_R410A\_1\_AW



## Performance lines - cooling

Pratedc    Qc-12/7    Qc-23/18



Th [°C]		35 °C								
Ta [°C]	Qh nom [kW]	Qh min [kW]	Qh max [kW]	Pin nom [kW]	Pin-min [kW]	Pin-max [kW]	COP kW / kW	I nom [A]	I min [A]	I max [A]
25	<b>15.9</b>	15.9		<b>2.4</b>	2.4		<b>6.68</b>	4.1	4.1	
24	<b>15.9</b>	15.9		<b>2.4</b>	2.4		<b>6.68</b>	4.1	4.1	
23	<b>15.9</b>	15.9		<b>2.4</b>	2.4		<b>6.68</b>	4.1	4.1	
22	<b>15.9</b>	15.9		<b>2.4</b>	2.4		<b>6.68</b>	4.1	4.1	
21	<b>15.9</b>	15.9		<b>2.4</b>	2.4		<b>6.68</b>	4.1	4.1	
20	<b>15.9</b>	15.9		<b>2.4</b>	2.4		<b>6.68</b>	4.1	4.1	
19	<b>15.9</b>	15.9		<b>2.4</b>	2.4		<b>6.68</b>	4.1	4.1	
18	<b>15.9</b>	15.9		<b>2.4</b>	2.4		<b>6.68</b>	4.1	4.1	
17	<b>15.9</b>	15.9		<b>2.4</b>	2.4		<b>6.68</b>	4.1	4.1	
16	<b>15.6</b>	15.6	15.6	<b>2.4</b>	2.4	2.4	<b>6.49</b>	4.2	4.2	4.2
15	<b>15.3</b>	15.3	15.3	<b>2.4</b>	2.4	2.4	<b>6.30</b>	4.2	4.2	4.2
14	<b>14.9</b>	14.9	14.9	<b>2.4</b>	2.4	2.4	<b>6.12</b>	4.2	4.2	4.2
13	<b>14.6</b>	14.6	14.6	<b>2.5</b>	2.5	2.5	<b>5.95</b>	4.2	4.2	4.2
12	<b>14.3</b>	14.3	14.3	<b>2.5</b>	2.5	2.5	<b>5.79</b>	4.2	4.2	4.2
11	<b>14.0</b>	14.0	14.0	<b>2.5</b>	2.5	2.5	<b>5.63</b>	4.3	4.3	4.3
10	<b>13.7</b>	13.7	13.7	<b>2.5</b>	2.5	2.5	<b>5.48</b>	4.3	4.3	4.3
9	<b>13.2</b>	13.2	13.2	<b>2.5</b>	2.5	2.5	<b>5.25</b>	4.3	4.3	4.3
8	<b>12.8</b>	12.8	12.8	<b>2.5</b>	2.5	2.5	<b>5.04</b>	4.3	4.3	4.3
7	<b>12.4</b>	12.4	12.4	<b>2.5</b>	2.5	2.5	<b>4.85</b>	4.3	4.3	4.3
6	<b>12.0</b>	12.0	12.0	<b>2.6</b>	2.6	2.6	<b>4.68</b>	4.3	4.3	4.3
5	<b>11.6</b>	11.6	11.6	<b>2.6</b>	2.6	2.6	<b>4.52</b>	4.3	4.3	4.3
4	<b>11.2</b>	11.2	11.2	<b>2.6</b>	2.6	2.6	<b>4.37</b>	4.4	4.4	4.4
3	<b>10.9</b>	10.9	10.9	<b>2.6</b>	2.6	2.6	<b>4.24</b>	4.4	4.4	4.4
2	<b>10.6</b>	10.6	10.6	<b>2.6</b>	2.6	2.6	<b>4.12</b>	4.4	4.4	4.4
1	<b>10.3</b>	10.3	10.3	<b>2.6</b>	2.6	2.6	<b>4.00</b>	4.4	4.4	4.4
0	<b>10.1</b>	10.1	10.1	<b>2.6</b>	2.6	2.6	<b>3.90</b>	4.4	4.4	4.4
-1	<b>9.8</b>	9.8	9.8	<b>2.6</b>	2.6	2.6	<b>3.81</b>	4.4	4.4	4.4
-2	<b>9.6</b>	9.6	9.6	<b>2.6</b>	2.6	2.6	<b>3.72</b>	4.4	4.4	4.4
-3	<b>9.4</b>	9.4	9.4	<b>2.6</b>	2.6	2.6	<b>3.65</b>	4.4	4.4	4.4
-4	<b>9.2</b>	9.2	9.2	<b>2.6</b>	2.6	2.6	<b>3.58</b>	4.4	4.4	4.4
-5	<b>9.1</b>	9.1	9.1	<b>2.6</b>	2.6	2.6	<b>3.51</b>	4.4	4.4	4.4
-6	<b>8.9</b>	8.9	8.9	<b>2.6</b>	2.6	2.6	<b>3.46</b>	4.4	4.4	4.4
-7	<b>8.8</b>	8.8	8.8	<b>2.6</b>	2.6	2.6	<b>3.41</b>	4.4	4.4	4.4
-8	<b>8.7</b>	8.7	8.7	<b>2.6</b>	2.6	2.6	<b>3.36</b>	4.4	4.4	4.4
-9	<b>8.6</b>	8.6	8.6	<b>2.6</b>	2.6	2.6	<b>3.32</b>	4.4	4.4	4.4
-10	<b>8.5</b>	8.5	8.5	<b>2.6</b>	2.6	2.6	<b>3.29</b>	4.4	4.4	4.4
-11	<b>8.3</b>	8.3	8.3	<b>2.6</b>	2.6	2.6	<b>3.21</b>	4.4	4.4	4.4
-12	<b>8.1</b>	8.1	8.1	<b>2.6</b>	2.6	2.6	<b>3.13</b>	4.4	4.4	4.4
-13	<b>7.9</b>	7.9	7.9	<b>2.6</b>	2.6	2.6	<b>3.06</b>	4.4	4.4	4.4
-14	<b>7.7</b>	7.7	7.7	<b>2.6</b>	2.6	2.6	<b>2.98</b>	4.3	4.3	4.3
-15	<b>7.5</b>	7.5	7.5	<b>2.6</b>	2.6	2.6	<b>2.91</b>	4.3	4.3	4.3
-16	<b>7.3</b>	7.3	7.3	<b>2.6</b>	2.6	2.6	<b>2.84</b>	4.3	4.3	4.3
-17	<b>7.1</b>	7.1	7.1	<b>2.6</b>	2.6	2.6	<b>2.77</b>	4.3	4.3	4.3
-18	<b>6.9</b>	6.9	6.9	<b>2.6</b>	2.6	2.6	<b>2.70</b>	4.3	4.3	4.3
-19	<b>6.7</b>	6.7	6.7	<b>2.6</b>	2.6	2.6	<b>2.64</b>	4.3	4.3	4.3
-20	<b>6.6</b>	6.6	6.6	<b>2.5</b>	2.5	2.5	<b>2.57</b>	4.3	4.3	4.3
-21	<b>6.4</b>	6.4	6.4	<b>2.5</b>	2.5	2.5	<b>2.51</b>	4.3	4.3	4.3
-22	<b>6.2</b>	6.2	6.2	<b>2.5</b>	2.5	2.5	<b>2.45</b>	4.3	4.3	4.3
-23	<b>6.1</b>	6.1	6.1	<b>2.5</b>	2.5	2.5	<b>2.39</b>	4.3	4.3	4.3
-24	<b>5.9</b>	5.9	5.9	<b>2.5</b>	2.5	2.5	<b>2.33</b>	4.3	4.3	4.3
-25	<b>5.8</b>	5.8	5.8	<b>2.5</b>	2.5	2.5	<b>2.27</b>	4.3	4.3	4.3

\* attention: operating limits not reflected in performance table

ZHI11K1P-TFM\_R410A\_1\_AW

Th [°C]		45 °C									
Ta [°C]	Qh nom [kW]	Qh min [kW]	Qh max [kW]	Pin nom [kW]	Pin-min [kW]	Pin-max [kW]	COP kW / kW	I nom [A]	I min [A]	I max [A]	
25	<b>18.3</b>	18.3	18.3	<b>3.0</b>	3.0	3.0	<b>6.02</b>	4.9	4.9	4.9	
24	<b>18.0</b>	18.0	18.0	<b>3.1</b>	3.1	3.1	<b>5.86</b>	4.9	4.9	4.9	
23	<b>17.6</b>	17.6	17.6	<b>3.1</b>	3.1	3.1	<b>5.70</b>	5.0	5.0	5.0	
22	<b>17.3</b>	17.3	17.3	<b>3.1</b>	3.1	3.1	<b>5.55</b>	5.0	5.0	5.0	
21	<b>17.0</b>	17.0	17.0	<b>3.1</b>	3.1	3.1	<b>5.41</b>	5.0	5.0	5.0	
20	<b>16.6</b>	16.6	16.6	<b>3.2</b>	3.2	3.2	<b>5.27</b>	5.0	5.0	5.0	
19	<b>16.3</b>	16.3	16.3	<b>3.2</b>	3.2	3.2	<b>5.14</b>	5.1	5.1	5.1	
18	<b>16.0</b>	16.0	16.0	<b>3.2</b>	3.2	3.2	<b>5.01</b>	5.1	5.1	5.1	
17	<b>15.7</b>	15.7	15.7	<b>3.2</b>	3.2	3.2	<b>4.89</b>	5.1	5.1	5.1	
16	<b>15.4</b>	15.4	15.4	<b>3.2</b>	3.2	3.2	<b>4.77</b>	5.1	5.1	5.1	
15	<b>15.1</b>	15.1	15.1	<b>3.2</b>	3.2	3.2	<b>4.65</b>	5.1	5.1	5.1	
14	<b>14.8</b>	14.8	14.8	<b>3.2</b>	3.2	3.2	<b>4.54</b>	5.1	5.1	5.1	
13	<b>14.5</b>	14.5	14.5	<b>3.3</b>	3.3	3.3	<b>4.44</b>	5.2	5.2	5.2	
12	<b>14.2</b>	14.2	14.2	<b>3.3</b>	3.3	3.3	<b>4.33</b>	5.2	5.2	5.2	
11	<b>13.9</b>	13.9	13.9	<b>3.3</b>	3.3	3.3	<b>4.23</b>	5.2	5.2	5.2	
10	<b>13.6</b>	13.6	13.6	<b>3.3</b>	3.3	3.3	<b>4.14</b>	5.2	5.2	5.2	
9	<b>13.1</b>	13.1	13.1	<b>3.3</b>	3.3	3.3	<b>3.99</b>	5.2	5.2	5.2	
8	<b>12.7</b>	12.7	12.7	<b>3.3</b>	3.3	3.3	<b>3.85</b>	5.2	5.2	5.2	
7	<b>12.3</b>	12.3	12.3	<b>3.3</b>	3.3	3.3	<b>3.72</b>	5.2	5.2	5.2	
6	<b>12.0</b>	12.0	12.0	<b>3.3</b>	3.3	3.3	<b>3.61</b>	5.2	5.2	5.2	
5	<b>11.6</b>	11.6	11.6	<b>3.3</b>	3.3	3.3	<b>3.50</b>	5.2	5.2	5.2	
4	<b>11.3</b>	11.3	11.3	<b>3.3</b>	3.3	3.3	<b>3.40</b>	5.2	5.2	5.2	
3	<b>11.0</b>	11.0	11.0	<b>3.3</b>	3.3	3.3	<b>3.30</b>	5.2	5.2	5.2	
2	<b>10.7</b>	10.7	10.7	<b>3.3</b>	3.3	3.3	<b>3.22</b>	5.2	5.2	5.2	
1	<b>10.4</b>	10.4	10.4	<b>3.3</b>	3.3	3.3	<b>3.14</b>	5.2	5.2	5.2	
0	<b>10.2</b>	10.2	10.2	<b>3.3</b>	3.3	3.3	<b>3.07</b>	5.2	5.2	5.2	
-1	<b>10.0</b>	10.0	10.0	<b>3.3</b>	3.3	3.3	<b>3.00</b>	5.2	5.2	5.2	
-2	<b>9.8</b>	9.8	9.8	<b>3.3</b>	3.3	3.3	<b>2.94</b>	5.2	5.2	5.2	
-3	<b>9.6</b>	9.6	9.6	<b>3.3</b>	3.3	3.3	<b>2.89</b>	5.2	5.2	5.2	
-4	<b>9.4</b>	9.4	9.4	<b>3.3</b>	3.3	3.3	<b>2.84</b>	5.2	5.2	5.2	
-5	<b>9.2</b>	9.2	9.2	<b>3.3</b>	3.3	3.3	<b>2.79</b>	5.2	5.2	5.2	
-6	<b>9.1</b>	9.1	9.1	<b>3.3</b>	3.3	3.3	<b>2.75</b>	5.2	5.2	5.2	
-7	<b>9.0</b>	9.0	9.0	<b>3.3</b>	3.3	3.3	<b>2.71</b>	5.2	5.2	5.2	
-8	<b>8.9</b>	8.9	8.9	<b>3.3</b>	3.3	3.3	<b>2.68</b>	5.2	5.2	5.2	
-9	<b>8.8</b>	8.8	8.8	<b>3.3</b>	3.3	3.3	<b>2.65</b>	5.2	5.2	5.2	
-10	<b>8.7</b>	8.7	8.7	<b>3.3</b>	3.3	3.3	<b>2.63</b>	5.2	5.2	5.2	
-11	<b>8.5</b>	8.5	8.5	<b>3.3</b>	3.3	3.3	<b>2.57</b>	5.2	5.2	5.2	
-12	<b>8.3</b>	8.3	8.3	<b>3.3</b>	3.3	3.3	<b>2.51</b>	5.2	5.2	5.2	
-13	<b>8.1</b>	8.1	8.1	<b>3.3</b>	3.3	3.3	<b>2.45</b>	5.2	5.2	5.2	
-14	<b>7.9</b>	7.9	7.9	<b>3.3</b>	3.3	3.3	<b>2.40</b>	5.2	5.2	5.2	
-15	<b>7.7</b>	7.7	7.7	<b>3.3</b>	3.3	3.3	<b>2.35</b>	5.2	5.2	5.2	
-16	<b>7.5</b>	7.5	7.5	<b>3.3</b>	3.3	3.3	<b>2.29</b>	5.2	5.2	5.2	
-17	<b>7.4</b>	7.4	7.4	<b>3.3</b>	3.3	3.3	<b>2.24</b>	5.2	5.2	5.2	
-18	<b>7.2</b>	7.2	7.2	<b>3.3</b>	3.3	3.3	<b>2.19</b>	5.2	5.2	5.2	
-19	<b>7.0</b>	7.0	7.0	<b>3.3</b>	3.3	3.3	<b>2.14</b>	5.2	5.2	5.2	
-20	<b>6.9</b>	6.9	6.9	<b>3.3</b>	3.3	3.3	<b>2.09</b>	5.2	5.2	5.2	
-21	<b>6.7</b>	6.7	6.7	<b>3.3</b>	3.3	3.3	<b>2.04</b>	5.2	5.2	5.2	
-22	<b>6.5</b>	6.5	6.5	<b>3.3</b>	3.3	3.3	<b>2.00</b>	5.2	5.2	5.2	
-23	<b>6.4</b>	6.4	6.4	<b>3.3</b>	3.3	3.3	<b>1.95</b>	5.2	5.2	5.2	
-24	<b>6.2</b>	6.2	6.2	<b>3.3</b>	3.3	3.3	<b>1.91</b>	5.2	5.2	5.2	
-25	<b>6.1</b>	6.1	6.1	<b>3.3</b>	3.3	3.3	<b>1.86</b>	5.2	5.2	5.2	

\* attention: operating limits not reflected in performance table

Th [°C]		55 °C								
Ta [°C]	Qh nom [kW]	Qh min [kW]	Qh max [kW]	Pin nom [kW]	Pin-min [kW]	Pin-max [kW]	COP kW / kW	I nom [A]	I min [A]	I max [A]
25	<b>17.9</b>	17.9	17.9	<b>4.1</b>	4.1	4.1	<b>4.35</b>	6.2	6.2	6.2
24	<b>17.5</b>	17.5	17.5	<b>4.1</b>	4.1	4.1	<b>4.25</b>	6.2	6.2	6.2
23	<b>17.2</b>	17.2	17.2	<b>4.1</b>	4.1	4.1	<b>4.15</b>	6.3	6.3	6.3
22	<b>16.9</b>	16.9	16.9	<b>4.2</b>	4.2	4.2	<b>4.06</b>	6.3	6.3	6.3
21	<b>16.6</b>	16.6	16.6	<b>4.2</b>	4.2	4.2	<b>3.98</b>	6.3	6.3	6.3
20	<b>16.3</b>	16.3	16.3	<b>4.2</b>	4.2	4.2	<b>3.89</b>	6.3	6.3	6.3
19	<b>16.0</b>	16.0	16.0	<b>4.2</b>	4.2	4.2	<b>3.81</b>	6.3	6.3	6.3
18	<b>15.7</b>	15.7	15.7	<b>4.2</b>	4.2	4.2	<b>3.73</b>	6.4	6.4	6.4
17	<b>15.4</b>	15.4	15.4	<b>4.2</b>	4.2	4.2	<b>3.65</b>	6.4	6.4	6.4
16	<b>15.1</b>	15.1	15.1	<b>4.2</b>	4.2	4.2	<b>3.57</b>	6.4	6.4	6.4
15	<b>14.9</b>	14.9	14.9	<b>4.2</b>	4.2	4.2	<b>3.50</b>	6.4	6.4	6.4
14	<b>14.6</b>	14.6	14.6	<b>4.3</b>	4.3	4.3	<b>3.43</b>	6.4	6.4	6.4
13	<b>14.3</b>	14.3	14.3	<b>4.3</b>	4.3	4.3	<b>3.36</b>	6.4	6.4	6.4
12	<b>14.0</b>	14.0	14.0	<b>4.3</b>	4.3	4.3	<b>3.29</b>	6.4	6.4	6.4
11	<b>13.8</b>	13.8	13.8	<b>4.3</b>	4.3	4.3	<b>3.22</b>	6.4	6.4	6.4
10	<b>13.5</b>	13.5	13.5	<b>4.3</b>	4.3	4.3	<b>3.16</b>	6.4	6.4	6.4
9	<b>13.1</b>	13.1	13.1	<b>4.3</b>	4.3	4.3	<b>3.06</b>	6.4	6.4	6.4
8	<b>12.7</b>	12.7	12.7	<b>4.3</b>	4.3	4.3	<b>2.96</b>	6.4	6.4	6.4
7	<b>12.3</b>	12.3	12.3	<b>4.3</b>	4.3	4.3	<b>2.88</b>	6.4	6.4	6.4
6	<b>12.0</b>	12.0	12.0	<b>4.3</b>	4.3	4.3	<b>2.80</b>	6.5	6.5	6.5
5	<b>11.7</b>	11.7	11.7	<b>4.3</b>	4.3	4.3	<b>2.72</b>	6.5	6.5	6.5
4	<b>11.4</b>	11.4	11.4	<b>4.3</b>	4.3	4.3	<b>2.65</b>	6.5	6.5	6.5
3	<b>11.1</b>	11.1	11.1	<b>4.3</b>	4.3	4.3	<b>2.59</b>	6.5	6.5	6.5
2	<b>10.9</b>	10.9	10.9	<b>4.3</b>	4.3	4.3	<b>2.53</b>	6.5	6.5	6.5
1	<b>10.6</b>	10.6	10.6	<b>4.3</b>	4.3	4.3	<b>2.47</b>	6.4	6.4	6.4
0	<b>10.4</b>	10.4	10.4	<b>4.3</b>	4.3	4.3	<b>2.42</b>	6.4	6.4	6.4
-1	<b>10.2</b>	10.2	10.2	<b>4.3</b>	4.3	4.3	<b>2.38</b>	6.4	6.4	6.4
-2	<b>10.0</b>	10.0	10.0	<b>4.3</b>	4.3	4.3	<b>2.33</b>	6.4	6.4	6.4
-3	<b>9.8</b>	9.8	9.8	<b>4.3</b>	4.3	4.3	<b>2.29</b>	6.4	6.4	6.4
-4	<b>9.7</b>	9.7	9.7	<b>4.3</b>	4.3	4.3	<b>2.26</b>	6.4	6.4	6.4
-5	<b>9.5</b>	9.5	9.5	<b>4.3</b>	4.3	4.3	<b>2.23</b>	6.4	6.4	6.4
-6	<b>9.4</b>	9.4	9.4	<b>4.3</b>	4.3	4.3	<b>2.20</b>	6.4	6.4	6.4
-7	<b>9.3</b>	9.3	9.3	<b>4.3</b>	4.3	4.3	<b>2.17</b>	6.4	6.4	6.4
-8	<b>9.2</b>	9.2	9.2	<b>4.3</b>	4.3	4.3	<b>2.15</b>	6.4	6.4	6.4
-9	<b>9.1</b>	9.1	9.1	<b>4.3</b>	4.3	4.3	<b>2.13</b>	6.4	6.4	6.4
-10	<b>9.0</b>	9.0	9.0	<b>4.3</b>	4.3	4.3	<b>2.11</b>	6.4	6.4	6.4
-11	<b>8.8</b>	8.8	8.8	<b>4.3</b>	4.3	4.3	<b>2.07</b>	6.4	6.4	6.4
-12	<b>8.7</b>	8.7	8.7	<b>4.3</b>	4.3	4.3	<b>2.03</b>	6.4	6.4	6.4
-13	<b>8.5</b>	8.5	8.5	<b>4.3</b>	4.3	4.3	<b>1.99</b>	6.4	6.4	6.4
-14	<b>8.3</b>	8.3	8.3	<b>4.3</b>	4.3	4.3	<b>1.95</b>	6.4	6.4	6.4
-15	<b>8.1</b>	8.1	8.1	<b>4.3</b>	4.3	4.3	<b>1.91</b>	6.4	6.4	6.4
-16	<b>8.0</b>	8.0	8.0	<b>4.3</b>	4.3	4.3	<b>1.87</b>	6.4	6.4	6.4
-17	<b>7.8</b>	7.8	7.8	<b>4.3</b>	4.3	4.3	<b>1.83</b>	6.4	6.4	6.4
-18	<b>7.7</b>	7.7	7.7	<b>4.3</b>	4.3	4.3	<b>1.80</b>	6.4	6.4	6.4
-19	<b>7.5</b>	7.5	7.5	<b>4.3</b>	4.3	4.3	<b>1.76</b>	6.4	6.4	6.4
-20	<b>7.4</b>	7.4	7.4	<b>4.3</b>	4.3	4.3	<b>1.72</b>	6.4	6.4	6.4
-21	<b>7.2</b>	7.2	7.2	<b>4.3</b>	4.3	4.3	<b>1.69</b>	6.4	6.4	6.4
-22	<b>7.1</b>	7.1	7.1	<b>4.3</b>	4.3	4.3	<b>1.66</b>	6.4	6.4	6.4
-23	<b>6.9</b>	6.9	6.9	<b>4.3</b>	4.3	4.3	<b>1.62</b>	6.4	6.4	6.4
-24	<b>6.8</b>	6.8	6.8	<b>4.3</b>	4.3	4.3	<b>1.59</b>	6.4	6.4	6.4
-25	<b>6.7</b>	6.7	6.7	<b>4.3</b>	4.3	4.3	<b>1.56</b>	6.4	6.4	6.4

\* attention: operating limits not reflected in performance table

Th [°C]		T-Max @ 65 °C									
Ta [°C]	Qh nom [kW]	Qh min [kW]	Qh max [kW]	Pin nom [kW]	Pin-min [kW]	Pin-max [kW]	COP kW / kW	I nom [A]	I min [A]	I max [A]	
25	<b>17.4</b>	17.4	17.4	<b>5.4</b>	5.4	5.4	<b>3.21</b>	8.0	8.0	8.0	
24	<b>17.1</b>	17.1	17.1	<b>5.4</b>	5.4	5.4	<b>3.15</b>	8.0	8.0	8.0	
23	<b>16.8</b>	16.8	16.8	<b>5.5</b>	5.5	5.5	<b>3.09</b>	8.0	8.0	8.0	
22	<b>16.6</b>	16.6	16.6	<b>5.5</b>	5.5	5.5	<b>3.03</b>	8.0	8.0	8.0	
21	<b>16.3</b>	16.3	16.3	<b>5.5</b>	5.5	5.5	<b>2.97</b>	8.0	8.0	8.0	
20	<b>16.0</b>	16.0	16.0	<b>5.5</b>	5.5	5.5	<b>2.92</b>	8.0	8.0	8.0	
19	<b>15.7</b>	15.7	15.7	<b>5.5</b>	5.5	5.5	<b>2.87</b>	8.1	8.1	8.1	
18	<b>15.5</b>	15.5	15.5	<b>5.5</b>	5.5	5.5	<b>2.81</b>	8.1	8.1	8.1	
17	<b>15.2</b>	15.2	15.2	<b>5.5</b>	5.5	5.5	<b>2.76</b>	8.1	8.1	8.1	
16	<b>15.0</b>	15.0	15.0	<b>5.5</b>	5.5	5.5	<b>2.71</b>	8.1	8.1	8.1	
15	<b>14.7</b>	14.7	14.7	<b>5.5</b>	5.5	5.5	<b>2.66</b>	8.1	8.1	8.1	
14	<b>14.5</b>	14.5	14.5	<b>5.5</b>	5.5	5.5	<b>2.62</b>	8.1	8.1	8.1	
13	<b>14.2</b>	14.2	14.2	<b>5.5</b>	5.5	5.5	<b>2.57</b>	8.1	8.1	8.1	
12	<b>14.0</b>	14.0	14.0	<b>5.5</b>	5.5	5.5	<b>2.53</b>	8.1	8.1	8.1	
11	<b>13.7</b>	13.7	13.7	<b>5.5</b>	5.5	5.5	<b>2.48</b>	8.1	8.1	8.1	
10	<b>13.5</b>	13.5	13.5	<b>5.5</b>	5.5	5.5	<b>2.44</b>	8.1	8.1	8.1	
9	<b>13.2</b>	13.2	13.2	<b>5.5</b>	5.5	5.5	<b>2.37</b>	8.1	8.1	8.1	
8	<b>12.8</b>	12.8	12.8	<b>5.5</b>	5.5	5.5	<b>2.31</b>	8.1	8.1	8.1	
7	<b>12.5</b>	12.5	12.5	<b>5.6</b>	5.6	5.6	<b>2.25</b>	8.1	8.1	8.1	
6	<b>12.2</b>	12.2	12.2	<b>5.6</b>	5.6	5.6	<b>2.20</b>	8.1	8.1	8.1	
5	<b>11.9</b>	11.9	11.9	<b>5.6</b>	5.6	5.6	<b>2.15</b>	8.1	8.1	8.1	
4	<b>11.7</b>	11.7	11.7	<b>5.6</b>	5.6	5.6	<b>2.10</b>	8.1	8.1	8.1	
3	<b>11.4</b>	11.4	11.4	<b>5.6</b>	5.6	5.6	<b>2.05</b>	8.1	8.1	8.1	
2	<b>11.2</b>	11.2	11.2	<b>5.6</b>	5.6	5.6	<b>2.01</b>	8.1	8.1	8.1	
1	<b>11.0</b>	11.0	11.0	<b>5.6</b>	5.6	5.6	<b>1.98</b>	8.1	8.1	8.1	
0	<b>10.8</b>	10.8	10.8	<b>5.6</b>	5.6	5.6	<b>1.94</b>	8.1	8.1	8.1	
-1	<b>10.6</b>	10.6	10.6	<b>5.6</b>	5.6	5.6	<b>1.91</b>	8.1	8.1	8.1	
-2	<b>10.4</b>	10.4	10.4	<b>5.6</b>	5.6	5.6	<b>1.88</b>	8.1	8.1	8.1	
-3	<b>10.3</b>	10.3	10.3	<b>5.6</b>	5.6	5.6	<b>1.85</b>	8.1	8.1	8.1	
-4	<b>10.1</b>	10.1	10.1	<b>5.6</b>	5.6	5.6	<b>1.83</b>	8.1	8.1	8.1	
-5	<b>10.0</b>	10.0	10.0	<b>5.6</b>	5.6	5.6	<b>1.80</b>	8.1	8.1	8.1	
-6	<b>9.9</b>	9.9	9.9	<b>5.6</b>	5.6	5.6	<b>1.78</b>	8.1	8.1	8.1	
-7	<b>9.8</b>	9.8	9.8	<b>5.6</b>	5.6	5.6	<b>1.77</b>	8.1	8.1	8.1	
-8	<b>9.7</b>	9.7	9.7	<b>5.6</b>	5.6	5.6	<b>1.75</b>	8.1	8.1	8.1	
-9	<b>9.6</b>	9.6	9.6	<b>5.6</b>	5.6	5.6	<b>1.74</b>	8.1	8.1	8.1	
-10	<b>9.6</b>	9.6	9.6	<b>5.6</b>	5.6	5.6	<b>1.72</b>	8.1	8.1	8.1	
-11	<b>9.4</b>	9.4	9.4	<b>5.6</b>	5.6	5.6	<b>1.70</b>	8.1	8.1	8.1	
-12	<b>9.3</b>	9.3	9.3	<b>5.6</b>	5.6	5.6	<b>1.67</b>	8.1	8.1	8.1	
-13	<b>9.1</b>	9.1	9.1	<b>5.6</b>	5.6	5.6	<b>1.64</b>	8.1	8.1	8.1	
-14	<b>9.0</b>	9.0	9.0	<b>5.6</b>	5.6	5.6	<b>1.61</b>	8.1	8.1	8.1	
-15	<b>8.8</b>	8.8	8.8	<b>5.6</b>	5.6	5.6	<b>1.59</b>	8.1	8.1	8.1	
-16											
-17											
-18											
-19											
-20											
-21											
-22											
-23											
-24											
-25											

\* attention: operating limits not reflected in performance table

**WAMAK AiWa 11 EVI H Out**

Tc [°C]			W 12 / 7 °C								
Ta [°C]	Qc nom [kW]	Qc min [kW]	Qc max [kW]	Pin [kW]	Pin min [kW]	Pin max [kW]	EER kW / kW	I nom [A]	I min [A]	I max [A]	
40	<b>8.2</b>	8.2	8.2	<b>3.6</b>	3.6	3.6	<b>2.29</b>	5.6	5.6	5.6	
39	<b>8.3</b>	8.3	8.3	<b>3.5</b>	3.5	3.5	<b>2.37</b>	5.4	5.4	5.4	
38	<b>8.3</b>	8.3	8.3	<b>3.4</b>	3.4	3.4	<b>2.45</b>	5.3	5.3	5.3	
37	<b>8.4</b>	8.4	8.4	<b>3.3</b>	3.3	3.3	<b>2.53</b>	5.2	5.2	5.2	
36	<b>8.5</b>	8.5	8.5	<b>3.2</b>	3.2	3.2	<b>2.62</b>	5.1	5.1	5.1	
35	<b>8.6</b>	8.6	8.6	<b>3.2</b>	3.2	3.2	<b>2.71</b>	5.0	5.0	5.0	
34	<b>8.6</b>	8.6	8.6	<b>3.1</b>	3.1	3.1	<b>2.80</b>	4.9	4.9	4.9	
33	<b>8.7</b>	8.7	8.7	<b>3.0</b>	3.0	3.0	<b>2.90</b>	4.8	4.8	4.8	
32	<b>8.7</b>	8.7	8.7	<b>2.9</b>	2.9	2.9	<b>2.99</b>	4.8	4.8	4.8	
31	<b>8.8</b>	8.8	8.8	<b>2.9</b>	2.9	2.9	<b>3.09</b>	4.7	4.7	4.7	
30	<b>8.9</b>	8.9	8.9	<b>2.8</b>	2.8	2.8	<b>3.19</b>	4.6	4.6	4.6	
29	<b>8.9</b>	8.9	8.9	<b>2.7</b>	2.7	2.7	<b>3.30</b>	4.5	4.5	4.5	
28	<b>9.0</b>	9.0	9.0	<b>2.6</b>	2.6	2.6	<b>3.41</b>	4.4	4.4	4.4	
27	<b>9.0</b>	9.0	9.0	<b>2.6</b>	2.6	2.6	<b>3.52</b>	4.3	4.3	4.3	
26	<b>9.1</b>	9.1	9.1	<b>2.5</b>	2.5	2.5	<b>3.63</b>	4.3	4.3	4.3	
25	<b>9.2</b>	9.2	9.2	<b>2.4</b>	2.4	2.4	<b>3.75</b>	4.2	4.2	4.2	
24	<b>9.2</b>	9.2	9.2	<b>2.4</b>	2.4	2.4	<b>3.87</b>	4.1	4.1	4.1	
23	<b>9.3</b>	9.3	9.3	<b>2.3</b>	2.3	2.3	<b>4.00</b>	4.1	4.1	4.1	
22	<b>9.3</b>	9.3	9.3	<b>2.3</b>	2.3	2.3	<b>4.13</b>	4.0	4.0	4.0	
21	<b>9.4</b>	9.4	9.4	<b>2.2</b>	2.2	2.2	<b>4.26</b>	3.9	3.9	3.9	
20	<b>9.4</b>	9.4	9.4	<b>2.1</b>	2.1	2.1	<b>4.40</b>	3.9	3.9	3.9	
19	<b>9.4</b>	9.4	9.4	<b>2.1</b>	2.1	2.1	<b>4.54</b>	3.8	3.8	3.8	
18	<b>9.5</b>	9.5	9.5	<b>2.0</b>	2.0	2.0	<b>4.69</b>	3.7	3.7	3.7	
17	<b>9.5</b>	9.5	9.5	<b>2.0</b>	2.0	2.0	<b>4.84</b>	3.7	3.7	3.7	

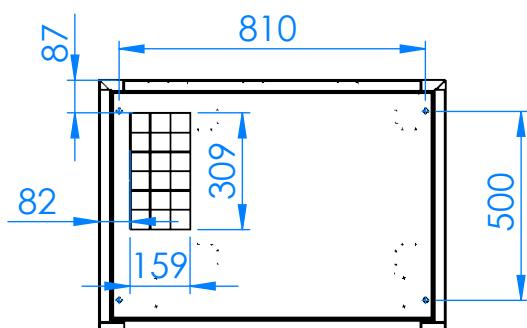
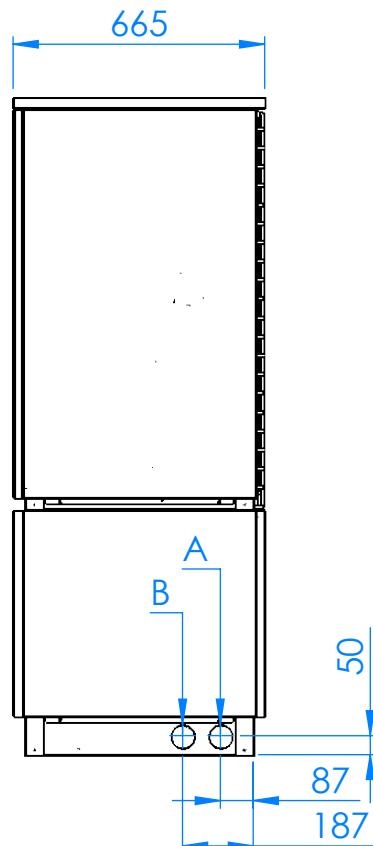
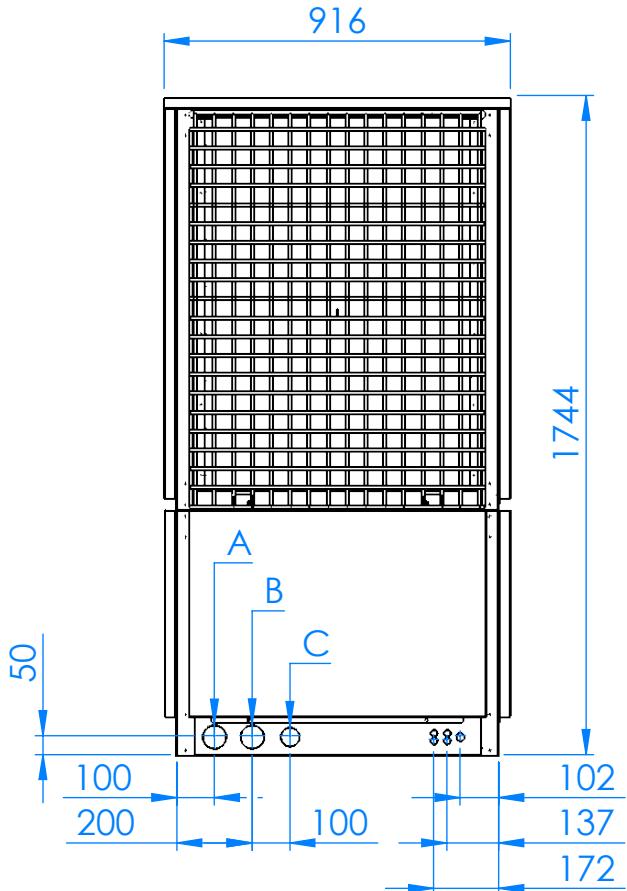
Tc [°C]			W 23 / 18 °C								
Ta [°C]	Qc [kW]	Qh-min [kW]	Qh-max [kW]	Pin [kW]	Pin-min [kW]	Pin-max [kW]	EER kW / kW	I [A]	I-min [A]	I-max [A]	
40	<b>11.0</b>	11.0	11.0	<b>3.6</b>	3.6	3.6	<b>3.08</b>	5.5	5.5	5.5	
39	<b>11.1</b>	11.1	11.1	<b>3.5</b>	3.5	3.5	<b>3.19</b>	5.4	5.4	5.4	
38	<b>11.2</b>	11.2	11.2	<b>3.4</b>	3.4	3.4	<b>3.30</b>	5.3	5.3	5.3	
37	<b>11.3</b>	11.3	11.3	<b>3.3</b>	3.3	3.3	<b>3.41</b>	5.2	5.2	5.2	
36	<b>11.4</b>	11.4	11.4	<b>3.2</b>	3.2	3.2	<b>3.53</b>	5.1	5.1	5.1	
35	<b>11.5</b>	11.5	11.5	<b>3.2</b>	3.2	3.2	<b>3.65</b>	5.0	5.0	5.0	
34	<b>11.6</b>	11.6	11.6	<b>3.1</b>	3.1	3.1	<b>3.77</b>	4.9	4.9	4.9	
33	<b>11.7</b>	11.7	11.7	<b>3.0</b>	3.0	3.0	<b>3.90</b>	4.8	4.8	4.8	
32	<b>11.8</b>	11.8	11.8	<b>2.9</b>	2.9	2.9	<b>4.03</b>	4.7	4.7	4.7	
31	<b>11.9</b>	11.9	11.9	<b>2.9</b>	2.9	2.9	<b>4.16</b>	4.6	4.6	4.6	
30	<b>11.9</b>	11.9	11.9	<b>2.8</b>	2.8	2.8	<b>4.30</b>	4.5	4.5	4.5	
29	<b>12.0</b>	12.0	12.0	<b>2.7</b>	2.7	2.7	<b>4.44</b>	4.4	4.4	4.4	
28	<b>12.1</b>	12.1	12.1	<b>2.6</b>	2.6	2.6	<b>4.59</b>	4.3	4.3	4.3	
27	<b>12.2</b>	12.2	12.2	<b>2.6</b>	2.6	2.6	<b>4.74</b>	4.2	4.2	4.2	
26	<b>12.3</b>	12.3	12.3	<b>2.5</b>	2.5	2.5	<b>4.89</b>	4.2	4.2	4.2	
25	<b>12.3</b>	12.3	12.3	<b>2.4</b>	2.4	2.4	<b>5.05</b>	4.1	4.1	4.1	
24	<b>12.4</b>	12.4	12.4	<b>2.4</b>	2.4	2.4	<b>5.21</b>	4.0	4.0	4.0	
23	<b>12.5</b>	12.5	12.5	<b>2.3</b>	2.3	2.3	<b>5.38</b>	3.9	3.9	3.9	
22	<b>12.5</b>	12.5	12.5	<b>2.3</b>	2.3	2.3	<b>5.55</b>	3.9	3.9	3.9	
21	<b>12.6</b>	12.6	12.6	<b>2.2</b>	2.2	2.2	<b>5.73</b>	3.8	3.8	3.8	
20	<b>12.7</b>	12.7	12.7	<b>2.1</b>	2.1	2.1	<b>5.92</b>	3.7	3.7	3.7	
19	<b>12.7</b>	12.7	12.7	<b>2.1</b>	2.1	2.1	<b>6.11</b>	3.6	3.6	3.6	
18	<b>12.8</b>	12.8	12.8	<b>2.0</b>	2.0	2.0	<b>6.31</b>	3.6	3.6	3.6	
17	<b>12.8</b>	12.8	12.8	<b>2.0</b>	2.0	2.0	<b>6.52</b>	3.5	3.5	3.5	

\* attention: operating limits not reflected in performance table

LEGENDE:

Ts-IN: Temperature renewable source - inlet [°C]  
Th-OU: Temperature heating - outlet (flow) [°C]  
Tc-OU: Temperature cooling - outlet (flow) [°C]  
Qh nom: Heating capacity nominal  
Qh min: Heating capacity minimal  
Qh max: Heating capacity maximal  
Pin nom: Power input at nominal heating capacity  
Pin min: Power input at minimal heating capacity  
Pin max: Power input at maximal heating capacity  
COP nom: coefficient of performance at nominal heating capacity  
Qc nom: cooling / heat extraction capacity at nominal heating capacity  
Qc min: cooling / heat extraction at minimal heating capacity  
Qc max: cooling / heat extraction at maximal heating capacity  
I nom: Current at nominal heating capacity  
EER: energy efficiency ratio at nominal cooling capacity

# WAMAK AiWa 11 EVI H Out



A -   
 B -   
 C - condens

