Configuration

Model: ANL081HA°°°°°

Code	ANL
Size	081
Model	H - Heat pump
Version	A - With storage tank and low head pump
Heat recovery	° - Without heat recovery
Coils	° - Copper pipes and aluminium fins
Working fields	° - Outlet water temperature from +4 °C
Evaporator	° - Standard and in compliance to PED directions
Power supply	° - 400V/3N/50Hz

Images are for reference purposes only and may not represent exactly the configured model in this document.

Show prices

Description	Quantity [n.]
ANL081HA°°°°°	1

Certifications

Aermec participates in the Eurovent Certification Programme. The certified data of certified models are listed in the Eurovent Directory.

Notes

The data shown are not Eurovent certified.
Data shown is calculated without soft-starter and/or power factor correction devices if available.

Selection data

Cooling		
Capacity	kW	20,1
Input power	kW	6,7
Input current	A	12,9
EER	W/W	2,99
Dry bulb air inlet temperature	°C	35,0
Inlet water temperature	°C	12,0
Outlet water temperature	°C	7,0
Ethylene glycol	%	0
Water flow rate	l/s	0,9589
Available pressure	kPa	57
Fouling factor	(m² K)/W	0

Heating		
Capacity	kW	20,9
Input power	kW	6,1
Input current	A	13,6
COP	W/W	3,45
Dry bulb ambient air temperature	°C	7,0
Wet bulb ambient air temperature	°C	6,0
Inlet water temperature	°C	40,0
Outlet water temperature	°C	45,0
Ethylene glycol	%	0
Water flow rate	l/s	1,0106
Available pressure	kPa	46
Fouling factor	(m² K)/W	0

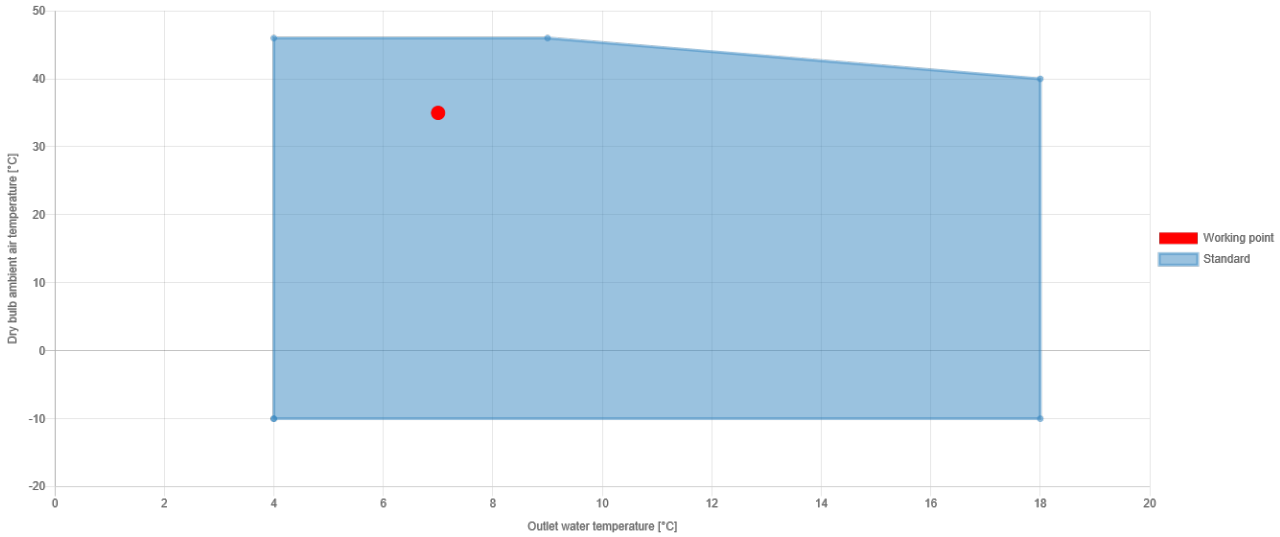
Seasonal energy performance

Energy efficiency class	35 °C		FWVO	A+
Pdesignh	35 °C	kW	FWVO	19,00
ηs	35 °C	%	FWVO	141,46
SCOP	35 °C	W/W	FWVO	3,61

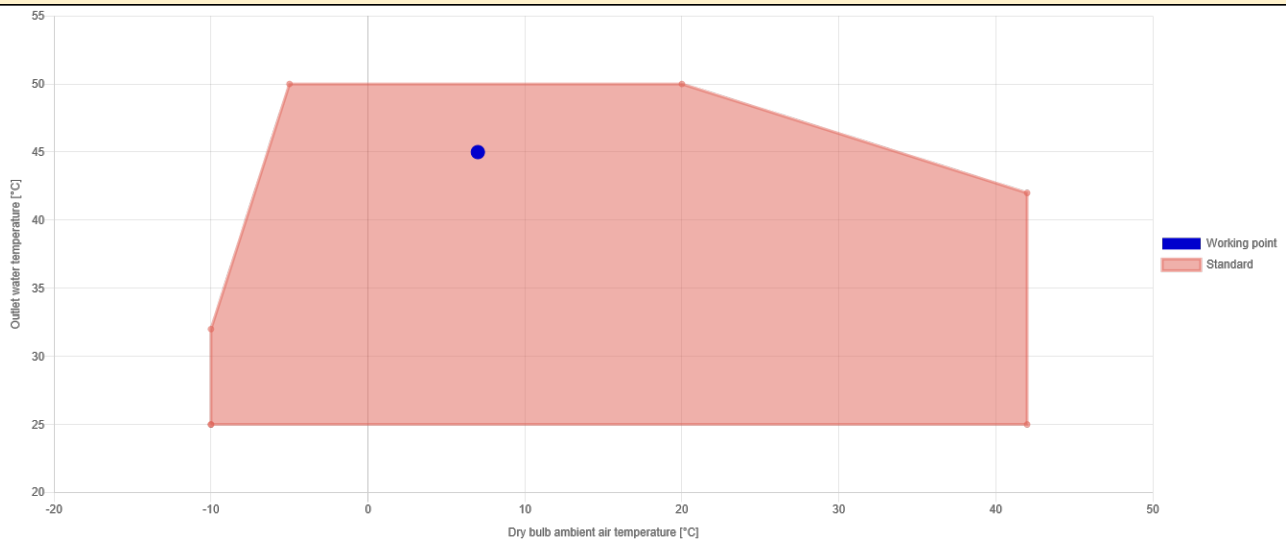
Calculation of energy applications is performed in accordance with EN 14825:2018
FWVO: fixed water flow rate, variable outlet water temperature.
Average climatic conditions

Working field

Cooling



Heating



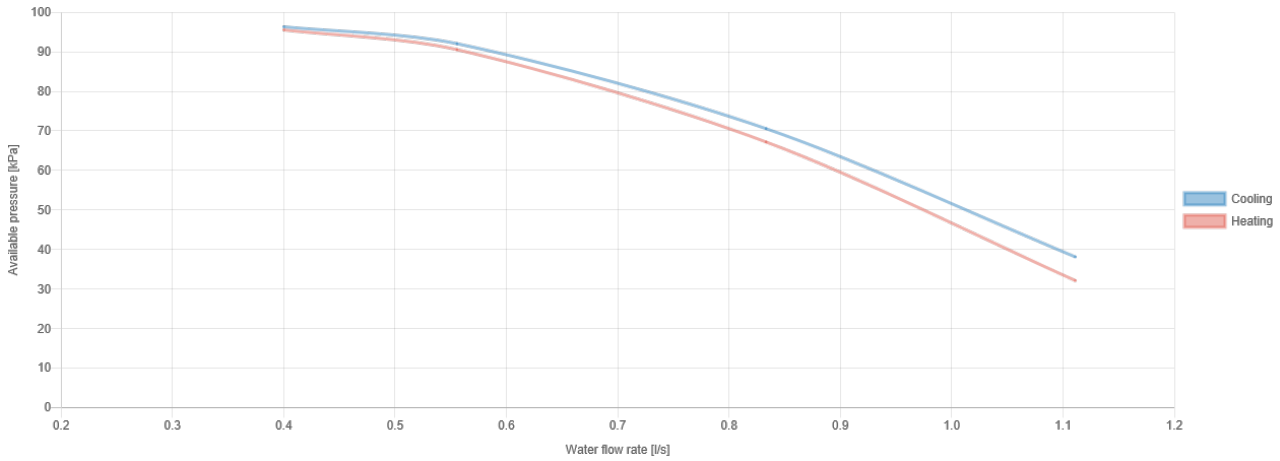
General data

Refrigerant circuit data		
Refrigerant		R410A
Driver		On-Off
Compressor type		Scroll
Number of compressors	n.	1
Number of cooling circuits	n.	1
Refrigerant gas charge	kg	3,1
Tonnes of CO_2 equivalent	t	6,47
Oil charge	l	1,7

The refrigerant load indicated in the table is an estimated and preliminary value. The final value is indicated on the unit's technical label.

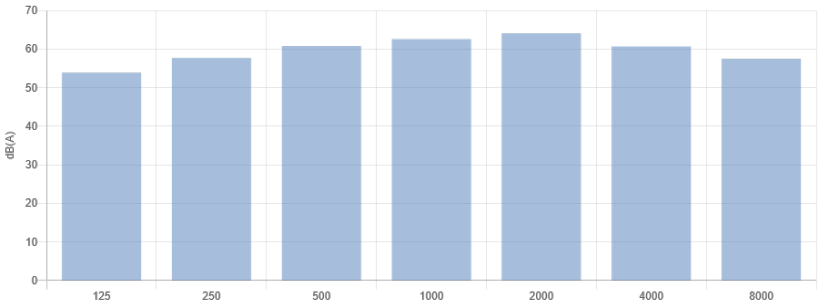
Fan group data		
Driver		Inverter modulation
Fan type		Axial
Number of fans	n.	2
Air flow rate	m³/s	2

Water circuit data			
Exchanger type			Plate
Number of exchangers		n.	1
Expansion tank number		n.	1
Tank number		n.	1
Connections type			Gas (female)
Water connections	inlet	Ø	1" 1/4
	outlet	Ø	1" 1/4



Sound data (nominal cooling data)		
Sound power - Lw	dB(A)	69,0
Sound pressure at 10 m	dB(A)	37,6

Hz	Lw [dB]	Lw [dB(A)]
125	70,0	53,9
250	66,3	57,7
500	64,0	60,8
1000	62,6	62,6
2000	62,9	64,1
4000	59,7	60,7
8000	58,6	57,5

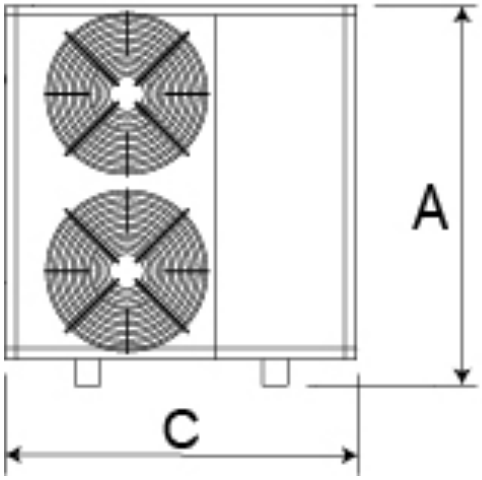


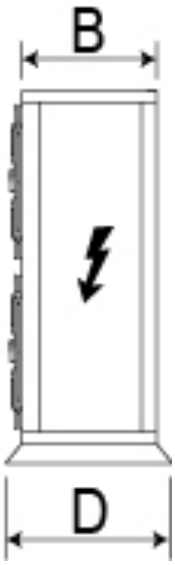
The sound levels are given at full load, without pumps (if available) and at nominal conditions (air temperature: 35,0 °C, water temperature (in/out): 12,0/7,0 °C).
Sound power: calculated on the basis of measurements carried out in accordance with the UNI EN ISO 9614-2 regulation, in compliance with the requirements of the Eurovent certification. Sound pressure calculated according to correlation in accordance with UNI EN ISO 3744.

Electric data		
Full Load Amps (FLA)	A	17,0
Locked Rotor Amps (LRA)	A	103,0
Power supply		400V/3N/50Hz

Dimensions and weights		
A - Height	m	1,28
B - Width	m	0,55
C - Length	m	1,17
D	m	0,55
Empty weight	kg	183

The dimensions and weight refer to the unit without packaging. For these data, consult the installation manual.





The certified standard performances, conditions and the certification of the software can be verified in https://www.eurovent-certification.com
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