

Configuration

Model: ANL081HQ^{*****}

	Code	ANL
	Size	081
	Model	H - Heat pump
	Version	Q - With storage tank and high 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.]
ANL081HQ ^{*****}	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	7,1
Input current	A	13,3
EER	W/W	2,83
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	144
Fouling factor	(m ² K)/W	0

Heating

Capacity	kW	20,9
Input power	kW	6,5
Input current	A	14,0
COP	W/W	3,24
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	131
Fouling factor	(m ² K)/W	0

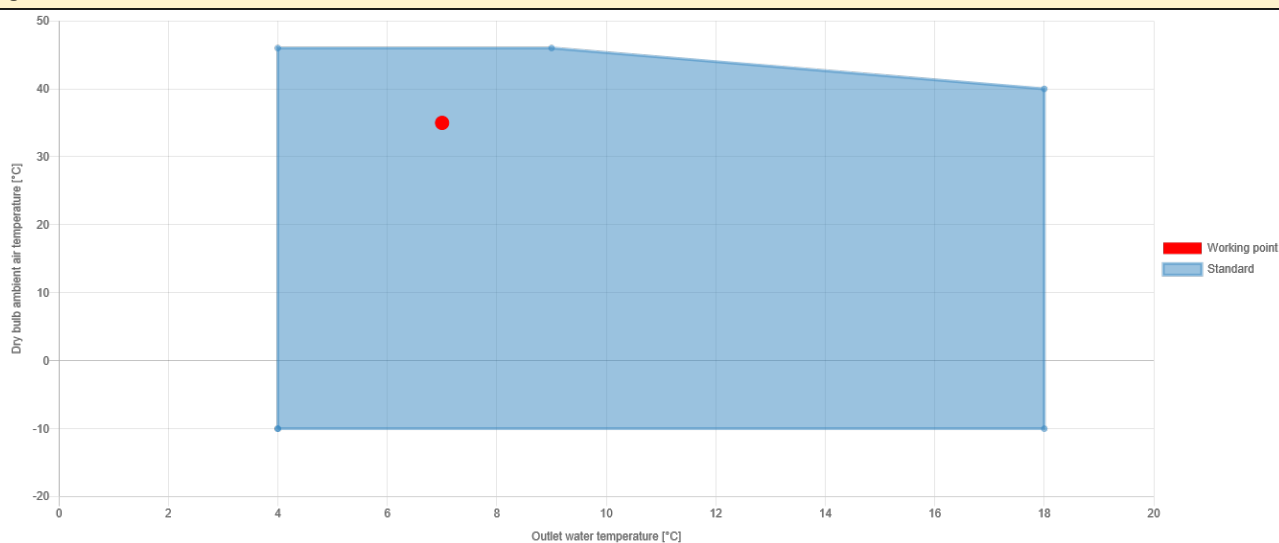
Seasonal energy performance

Energy efficiency class	35 °C		FWVO	A+
P _{designh}	35 °C	kW	FWVO	19,46
η _s	35 °C	%	FWVO	134,25
SCOP	35 °C	W/W	FWVO	3,43

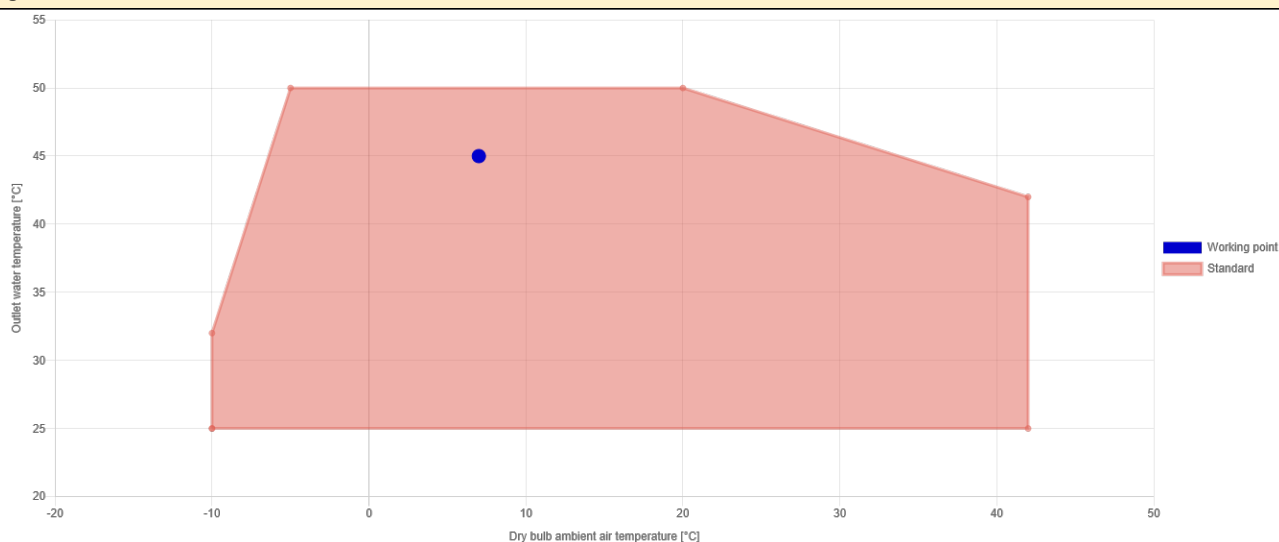
Calculation of energy applications is performed in accordance with EN 14825:2018
FWVO: fixed water flow rate, variable outlet water temperature.
Average climatic conditions

Working field

Cooling



Heating



General data

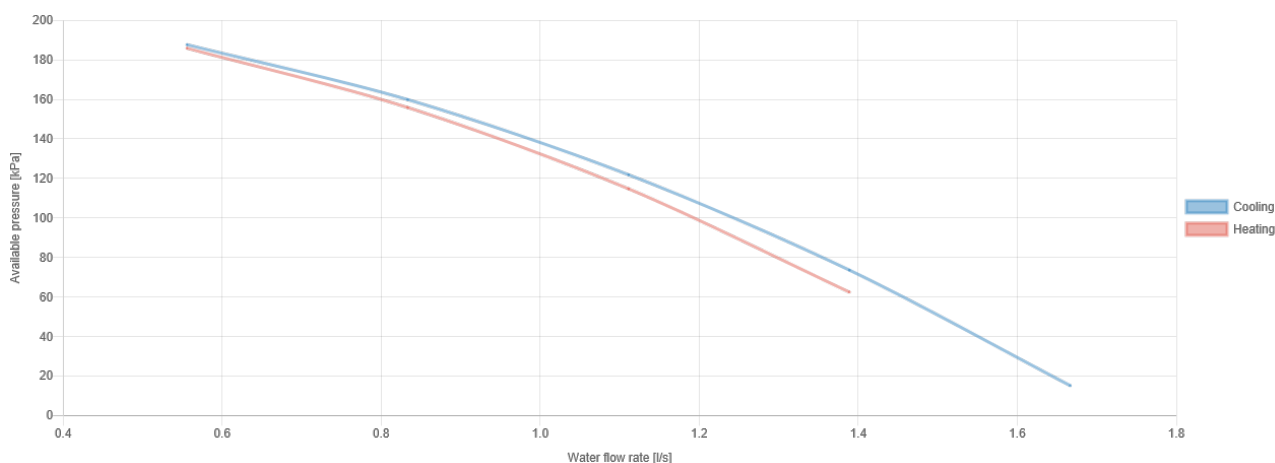
The certified standard performances, conditions and the certification of the software can be verified in <https://www.eurovent-certification.com>
As specified in the conditions of use, the technical data shown are not binding; Aermec reserves the right to make changes for improvements or corrections at any time.

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.

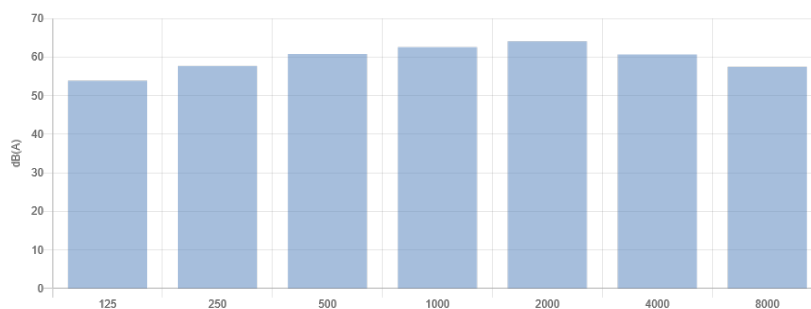
Fan group data			
Driver			Inverter modulation
Fan type			Axial
Number of fans	n.		2
Air flow rate	m ³ /s		2

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 - L _w	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	17,9
Locked Rotor Amps (LRA)	A	103,9
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.

