Configuration

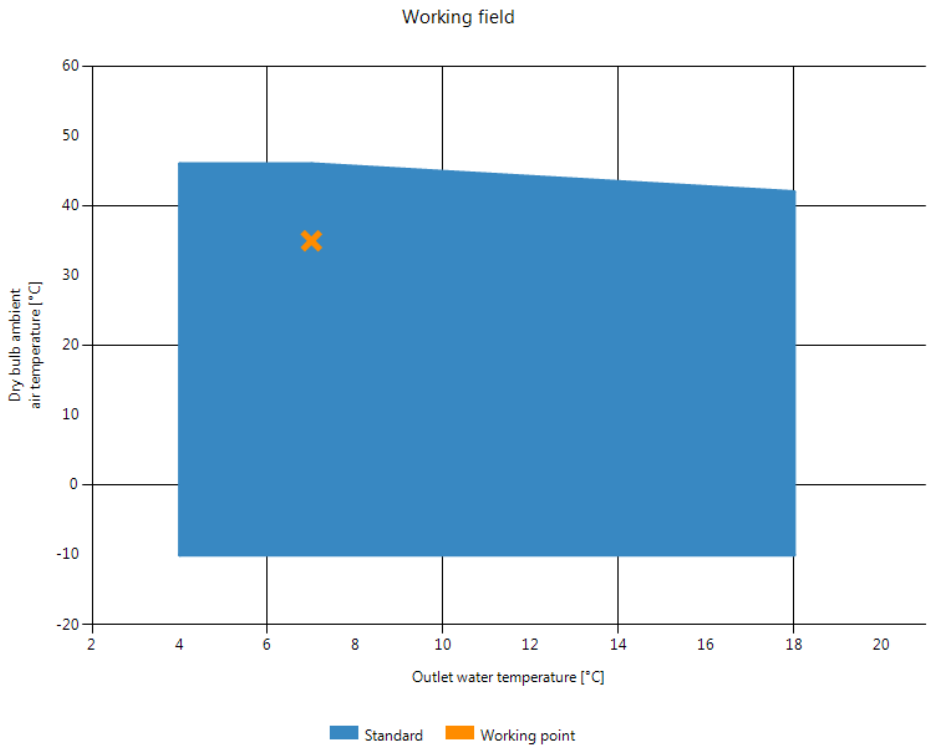
Model: NRL0550°°°E°J°00

Code	NRL
Size	0550
Working fields	° - Mechanical thermostatic valve (outlet water temperature from +4 °C)
Model	° - Cooling only
Heat recovery	° - Without heat recovery
Version	E - High efficiency with low noise
Coils	° - Aluminium
Fans	J - Inverter
Power supply	° - 400V/3N/50Hz with circuit breakers
Hydronic kit	00 - No

Cooling

Selection data

Capacity	ton	26.9
Input power	kW	37.2
Input current	A	64
EER	W/W	2.54
ESEER	W/W	3.43
Height above sea level	m	0
Dry bulb air inlet temperature	°C	35.0
Inlet water temperature	°C	12.0
Temperature difference	°C	5.0
Outlet water temperature	°C	7.0
Ethylene glycol	%	0
Water flow rate	l/h	16,315
Pressure drops	kPa	41
Fouling factor	(m² K)/W	0.00005



Notes and certifications

Data in accordance to EN 14511:2013
Data shown is calculated without soft-starter and/or power factor correction devices.

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

General data

Performances in average climatic conditions

Pdesignh	35 °C	94.50
ηs	35 °C	150.10
SEER		3.83

Refrigerant circuit data

Refrigerant		R410A
Compressor type		Scroll
Number of compressors	n.	3
Number of cooling circuits	n.	2

Fan group data (nominal data)

Air flow rate	m³/h	22,200

Exchanger data (system side)

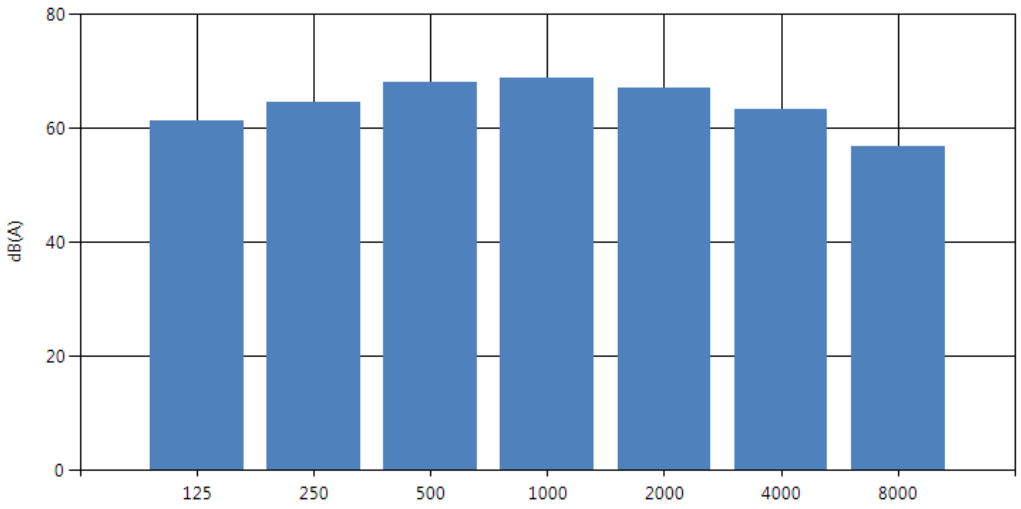
Exchanger type		Plate
Number of exchangers	n.	1
Water connections of exchanger		2" 1/2

Sound data

Sound power - Lw	dB(A)	74.0
Sound pressure at 10 meters	dB(A)	42.1

Sound spectrum for octave bands (center frequency)

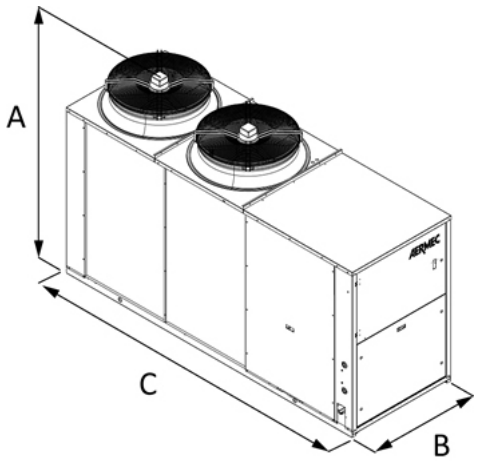
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Lw - dB	77.5	73.2	71.3	68.8	66.0	62.3	58.0
Lw - dB(A)	61.4	64.6	68.1	68.8	67.2	63.3	56.9



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).

Electric data

Full Load Amps (FLA)	A	76.00
Locked Rotor Amps (LRA)	A	214.00
Power supply		400V/3N/50Hz with circuit breakers

Dimensions

A	m	1.88
B	m	1.1
C	m	3.01
Empty weight	kg	959