

ANL 100/150

Air cooled chillers
Heat pump
Outdoor unit
Scroll compressor
Axial fans
Cooling capacity 6,57/8,16 tons
Heating capacity 94755/111850 BTU/h

R410A



- **STANDARD VERSION**
- **VERSION WITH BUILT-IN HYDRONIC KIT**
- **ABILITY TO PRODUCE DOMESTIC HOT WATER (D.H.W.)**

VERSION AND FEATURES

MODELS

- **ANL_H** Heat pump

VERSIONS

Without hydronic kit system side.

- **ANL_°** With standard pumps
- **ANL_P** With standard pumps
- **ANL_A** With buffer tank and standard pumps

RECOVERY

- **ANL_°** Without recovery

OPERATING LIMIT

Cooling mode

Max. external air temperature 114,8°F

Min. temperature of water produced 64,4°F

Heating mode

Max. external air temperature 122°F

Max. temperature of water produced 107,6°F

FEATURES

- High-efficiency scroll compressor with crank case heater
- High efficiency heat exchangers with trace heating as standard
- Axial flow fans for quiet operation
- Microprocessor control system:
 - Control from the entering water temperature, with the possibility of selecting control of the leaving water temperature.
 - Condensing control in summer with a 0-10 V modulating signal based on pressure and compensated for external air temperature
 - Automatic rotation of compressors and pumps based on operating hours
 - Load limiting safety control
 - Low and high pressure transducers (standard for all units)
 - Automatic reset of alarms before tripping

- Display in 4 languages
- Alarm history
- Metal enclosure with anti-corrosion polyester paint.

ACCESSORIES

MECHANICAL ACCESSORIES

- **VT:** Group of anti-vibration, to be installed under the base.

ACCESSORY COMPATIBILITY

ANL-H	Versions	100	150
VT	°/P/A	15	15

UNIT CONFIGURATOR

Field	DESCRIPTION
1,2,3	NRL
4,5,6	SIZE 100-150
7	MODEL H Heat pump
8	VERSION ° Standard P With pump standard A With storage tank and pump
9	HEAT RECOVERY ° Without heat recovery units
10	COILS ° In aluminium
11	FIELD OF USE ° Temperature of water produced up to 39,2°F
12	EVAPORATOR ° Standard, PED Normative
13	SUPPLY 6 3~220-60Hz 7 3~460-60Hz

TECHNICAL DATA

Mod. ANL-H	M.U.	Versions	100	150
Cooling capacity	tons	Alls	6,57	8,16
Total input power	kW	H	8,24	9,48
	kW	HP/HA	8,99	10,98
Water flow rate	gpm	Alls	16	20
Pressure drops	p.s.i.	H	4,35	4,36
Usefoul head	p.s.i.	HP/HA	14,65	19,14
Heating capacity	BTU/h	Alls	94755	111850
Total input power	kW	H	8,29	9,57
	kW	HP/HA	9,04	11,07
Water flow rate	gpm	Alls	21	25
Pressure drops	p.s.i.	H	7,34	6,45
Usefoul head	p.s.i.	HP/HA	10,44	14,94
ENERGY INDICES				
EER	BTU/W	H	9,58	10,34
	BTU/W	HP/HA	8,78	8,92
COP	W/W	H	3,35	3,43
	W/W	HP/HA	3,07	2,96
IPLV	BTU/W	Alls	16,39	17,73
SCROLL COMPRESSORS				
Compressors	n°	Alls	2	2
Circuits	n°	Alls	1	1
Refrigerant	type	Alls	R410A	R410A
HYDRAULIC CONNECTIONS (STANDARD VERSION)				
Inlet for water circulation	∅	H	1¼	1¼
Outlet for water circulation	∅	H	1¼	1¼
STANDARD FANS °				
Numbers	n°	Alls	2	2
Air flow rate	cfm	Alls	7788	7080
SOUND DATA				
Sound pressure	dB(A)	Alls	44,0	45,0
Sound power	dB(A)	Alls	76,0	77,0

■ COOLING

Outlet water temperature
Flow rate
External temperature

6,7°C / 44,6°F
0,043l/s per kW
35°C / 95°F

■ HEATING

Inlet water temperature
Outlet water temperature
External air temperature

40°C / 104°F
45°C / 113°F
7°C b.s / 6°C b.u.

SOUND POWER

Aermec determines sound power values on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification.

SOUND PRESSURE

Sound pressure in free field, at 10 m distance from the external surface of the unit (in accordance with UNI EN ISO 3744).

Note: For more information, refer to the selection program Magellan or the technical documentation available on the website www.aermec.com

DIMENSIONS

Dimensions	Versions			100	150
Height	Alls	A	in	53,0	53,0
Width	Alls	B	in	29,5	29,5
Depth	Alls	C	in	68,9	68,9
Empty weight	H	-	lb	650	710
	HP	-	lb	690	756
	HA	-	lb	800	866

