

Product Release

AA 300 VH

calorex[®]

An Induct Style Dehumidifier
Designed for swimming pool hall
humidity and space temperature control

Standard Features

- 3.6L/hr at 30°C/60% RH
- 0 – 1300 m³/hr variable speed fan with two external static pressure settings
- 12V remote control panel, up to 20m lead and quick connect 'D' type plug leads
- Fresh air introduction point
- Air filters and duct flanges
- Temperature setback control (LPHW version)



Optional control panel kit can be mounted up to 20 metres away



Optional flange kit

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TECHNICAL DATA

MODEL:-		Units	AA300
AIR TEMPERATURE LIMITS	MINIMUM	°C	15
	MAXIMUM	°C	36
DEHUMIDIFICATION DUTY	VIA HEAT PUMP (30°C/60% rh)	litres/hr	3.6
HEAT TO AIR	VIA HEAT PUMP (MODE B):-	kW	4.4
	VIA LPHW @ 80°C :-	kW	7.3
	TOTAL :- (MODE B)	kW	9.8
RECOMMENDED BOILER CAPACITY (AA+LPHW)	RECOMMENDED BOILER CAPACITY	kW	7.3
	RECOMMENDED BOILER CAPACITY	Btu's/hr	25000
	FLOW RATE	l/min	10
	Pressure Drop @ Rated Flow	m/hd	2.9
	Max system working pressure	bar	6
ELECTRICAL	TOTAL POWER CONSUMED (nominal) :- 'F' & NON 'F'	kW	2
	MIN' SUPPLY CAPACITY (Max F.L.A.)	Amps	13
	MAX' SUPPLY FUSE 1 ph N:- 'F' & NON 'F'	Amps	20
MAIN FAN	AIR FLOW (anemometer @ air on filter, wet evaporator)	m³/hr	1300 ±10%
	MAX EXTERNAL STATIC PRESSURE:- NON 'F'	Pa	95
	MAX EXTERNAL STATIC PRESSURE:- 'F'	Pa	110
	DESIGN CONDITION Amps:-		
	1 ph N :- NON 'F'	Amps	1.04
	1 ph N :- 'F'	Amps	1.5
	FLA:- 1 ph N:-	Amps	2.6
COMPRESSOR	NOMINAL POWER CONSUMED:-	kW	1.9
	LRA:- 1 ph N:-	Amps	46
	RLA:- 1 ph N:-	Amps	8.6
	SOFT START Amps 1 ph N:-	Amps	24
GENERAL DATA	Hermetic System		
	GAS CHARGE (R407c)	kg	2.6
	LPHW battery volume	litres	1.15
PHYSICAL DIMENSIONS	WIDTH (Unpacked)	mm	730
	DEPTH (Unpacked)	mm	1025
	HEIGHT (Unpacked)	mm	850
	WEIGHT approx' (AA un-packed no options):-	kg	111
	NOISE LEVEL @ 1m	dBA	61

Options:

- 7.5kW air heating LPHW coil with 3 way valve and thermostatic control
- Flexible duct flange kit
- Remote sensor kit
- 20m control panel lead