



Certikin's Affordable
Range of Heat Pumps

Certikin
FLUIDRA

Certikin's Affordable Range of Heat Pumps

Heat pumps are recognised as the most sustainable way to dynamically heat swimming pool water.

This heat pump is designed and manufactured in collaboration with Calorex & the Dantherm Group. The Dantherm HPP heat pump is easy to install and is an affordable option for pool water heating.

There are 5 models available; HPP6, HPP8, HPP12, HPP15 and HPP20.

Features

- Quiet operation
- Aesthetically pleasing design with an attractive graphite grey ABS cabinet
- Scroll or rotary compressor (dependent upon product size)
- Titanium heat exchanger
- Reverse cycle defrost, enabling operation down to 3°C air temp
- Water temperature range 15°C to 40°C
- "Smart" pool pump control
- Condensate drain connection
- Supplied with 1.5" + 50mm socket unions for the water connections
- All models are single phase, except the HPP20, which is three phase.

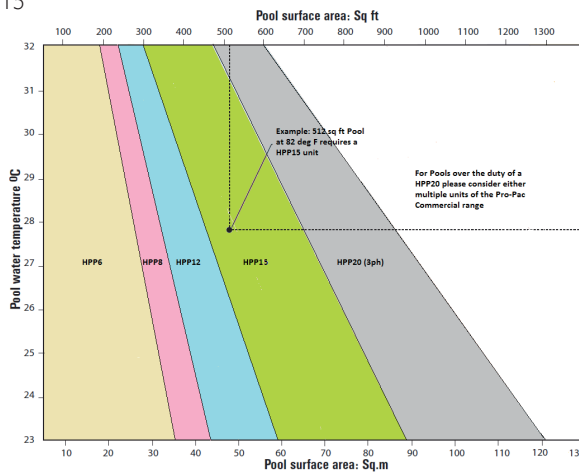


3 YEAR WARRANTY (1 year on-site parts & labour + 2 further years parts only).

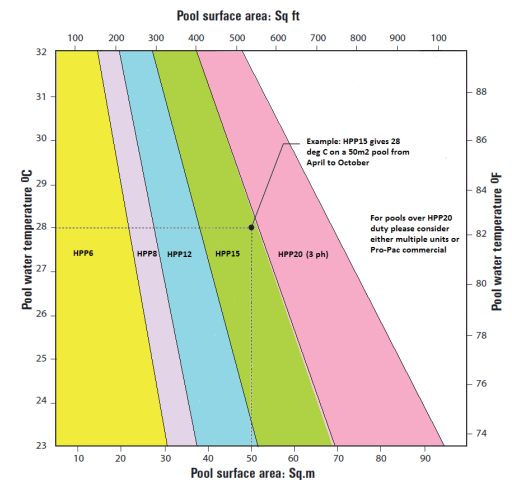
Sizing Example:

Pool Size 10 x 5m = HPP15

The above calculation is based on domestic in-ground pool, covered 20 hours a day, low water table, May-September and water at 28°C.



Dantherm®



Technical data

SPECIFICATIONS	UNITS	HPP 6	HPP 8	HPP 12	HPP 15	HPP 20
HEAT TO WATER						
Ambient air 24° C/RH 62, water temperature 26°C	kW	7.4	9.0	12.9	16.8	22.6
Power input	kW	1.33	1.58	2.1	3.06	4.3
Coefficient of performance	COP	5.59	5.72	6.14	5.49	5.3
NOMINAL CONDITIONS*						
Ambient air 15° C/RH 70, water temperature 26°C	kW	6.0	7.3	10	13.9	18.30
Power input	kW	1.32	1.54	2.04	3.05	4.47
Coefficient of performance	COP	4.54	4.74	4.9	4.56	4.10
ELECTRICAL DATA						
Power supply	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz	380V/3/50HZ
Maximum power input	kW	1.5	1.8	2.6	3.6	5.1
Maximum current	A	10.59	12.32	17.41	27	12.3
Nominal current	A	5.9	6.96	10.47	14.54	12.72
Compressor type		Rotary	Rotary	Rotary	Scroll	Scroll
Nominal fuse	A	10	10	16	20	20
Max fuse	A	16	16	25	40	20
AIR DATA						
(Nominal Air flow ± 10%)	m³/h	2200	2000	3900	3800	7000
WATER DATA						
Max. water flow	L/min	50	70	90	120	150
Min. water flow		40	56	72	96	120
Water connections	inches/mm	1 1/2 inches or 50mm	1 1/2 inches or 50mm	1 1/2 inches or 50mm	1 1/2 inches or 50mm	1 1/2 inches or 50mm
Condensate water connections	inches	3/4 inches	3/4 inches	3/4 inches	3/4 inches	3/4 inches
GENERAL DATA (HERMETIC SYSTEM)						
Gas charge (R410a)	kg	1.00	1.45	1.85	2.0	2.7
SOUND PRESSURE						
Sound pressure at 10m	dBA	< 28	< 29	< 30	< 30	< 32
Water proof level		IPX4	IPX4	IPX4	IPX4	IPX4
DIMENSIONS						
Unit net dimensions L x D x W	mm	968x405x654	968x405x654	1130x490x709	1130x490x709	1299x520x809
Package dimensions	mm	1000x420x790	1000x420x790	1154x520x845	1154x520x845	1324x530x925
Packaged weight	kg	58	60	79	100	124
Net weight	kg	51	53	72	93	117

Notes:

1. Allow 500mm clearance to service panels 2. Minimum air temperature -10°C 3. Water to have the correct balance pH 7.2 to 7.8, free chlorine 1.0 to 2.0 domestic, 3.0 to 6.0 commercial 4. We reserve the right to change models without prior notice 5. R410a Global warming potential 2088 * Nominal conditions equal MC5007 test parameters



Certikin

FLUIDRA

www.certikin.co.uk



Contact your Certikin stockist for prices and availability.

This literature is intended as a guide.
The company reserves the right to change the specifications without notice.