HEAT PERFECTOR PRO with 410A gas

The perfect way to heat your pool !

GOOD TO KNOW...

- *A swimming pool loses :*
  - *5°C in 5 hours, WITHOUT cover*
  - *0,8°C in 5 hours, WITH a summer cover 400µ*
- *A swimming pool without a cover, loses as much heat per m² as a 300W heater produces.*
- *A swimming pool of 4 x 8m without a cover, loses about 28.000 litres of water a year because of vaporisation.*
- *A swimming pool of 4 x 8m without a cover, loses during the heating phase , about 10.000 Watts of energy.*

All previous calculations are based on a water temperature of 27°C and an outside temperature of 21°C, 60% R.H. and a wind speed of 5miles/hour.

POWER DEFROST®

The power defrost system is the most efficient defrosting system on the market. This Power Defrost does not use the heat from your pool like the reverse cycle heat pumps. This unique system diverts a part of the compressed refrigerant gas to defrost the coil while the rest of the gas is still used to heat up your pool.

NEW FAN BLADE

Better aerodynamic design results in a very silent operation and better evacuation of cold air.

DIGITAL DISPLAY

This display enables you to set the temperature for you pool and/ or spa but it also informs you on cooling liquid pressure, water flow and defrosting cycle

SILENT OPERATION

We use the Emerson Copeland scroll compressor. This is one of the quietest compressors in the market and we added an extra insulation jacket to make it even quieter. The Heat Perfector is delivered as standard with rubber insulation pads. These easy to install pads absorb the vibrations of the pump and prevent any resonation being transmitted to the ground. These extras reduce the noise level (dB rating) by a further 20%.

TWISTED TITANIUM EXCHANGER

Titanium has excellent heat transfer capacities and is extremely resistant against chemicals and salt. The twist in the exchanger enlarges the heat transfer surface and results in an even better Coefficient Of Performance (COP). This effect is enhanced by our "counter flow system". This means that the very hot gas first warms the water that is coming in the end of the heat exchanger and that the slightly cooler gas interferes with the water that has entered the heat exchanger. This takes advantage of the greater temperature differences which results in more heat being transferred and also results in a better COP.

NEW BLACK CABINET

We didn't just change to black powder coating. Around the coil there is now a protective jacket that not only provides reinforcement but also improves the airflow. Together with the new venturi ventilation system, this results in better performances and a quieter operation.

INTERNAL BYPASS

The spring charged check valve ensures a constant flow for a better heat transfer and protects the pump against an overload on water.

HEAT PERFECTOR PRO TABLE

	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6	Model 7	Model 8
Power transformed into kW (26,6°C outside and water temperature, 80% humidity)	20kW	20kW	20kW	32kW	32kW	32kW	37,5kW	37,5kW
Performance coefficient	5,1	5,1	5,1	5,6	5,6	5,6	6,39	6,39
Phase	Mono	Tri - 380	Tri - 220	Mono	Tri - 380	Tri - 220	Tri - 380	Tri - 220
Power Consumption kW	3,92 kW	3,92 kW	3,92 kW	5,86 kW	5,86 kW	5,86 kW	5,86 kW	5,86 kW
Breaker Amps, Type	30-D	20-D	20-D	30-D	30-D	20-D	30-D	25-D
Cable size mm² max 5m distance	4	4	4	6	4	6	6	6
Flow m³/h	4-14	4-14	4-14	4-14	4-14	4-14	4-14	4-14
By Pass Valve	yes	yes	yes	yes	yes	yes	yes	yes
Hartford connection	yes	yes	yes	yes	yes	yes	yes	yes
Hydraulic connection	2"-63mm	2"-63mm	2"-63mm	2"-63mm	2"-63mm	2"-63mm	2"-63mm	2"-63mm
Colour	black	black	black	black	black	black	black	black
Sound level next to pump (1m)	42 db	42 db	42 db	42 db	42 db	42 db	42 db	42 db
Weight net kg	138	138	138	140	140	140	147	147
Dimensions in cm(h, w, l)	88x88x91,5	88x88x91,5	88x88x91,5	88x88x91,5	88x88x91,5	88x88x91,5	88x88x101,6	88x88x101,6