ECO+ PREMIUM HP // V1.0 // EFFECTIVE SEPTEMBER 2026

its™ heat pumps & solar

TECHNICAL DATA SHEET

ITS-10.3HPi / ITS-12.8HPi / ITS-14.5HPi / ITS-18.7HPi / ITS-21.8HPi



ITS ECO+ PREMIUM INVERTER POOL HEAT PUMP

The ITS ECO+ Premium Inverter Pool Heat Pump range is engineered to provide efficient and reliable pool heating throughout the year. Full inverter technology continuously adjusts compressor and fan output according to heating demand, helping maintain the desired pool temperature while reducing unnecessary energy consumption.

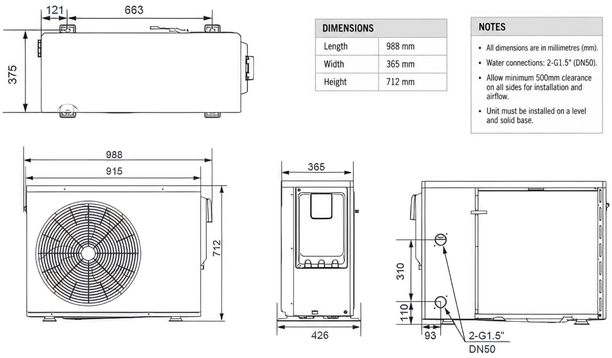
Designed for South African conditions, the range combines variable capacity operation, corrosion resistant construction, titanium heat exchange and intelligent control for dependable long term performance.

KEY FEATURES



- Full inverter compressor and fan technology
- Variable capacity heating for improved efficiency
- Class leading efficiency
- Corrosion resistant ABS casing
- Titanium heat exchanger suitable for salt and chlorinated pools
- R32 low environmental impact refrigerant
- Integrated Wi-Fi monitoring and control
- UV resistant enclosure designed for South African conditions

TECHNICAL DRAWING



DIMENSIONS	
Length	988 mm
Width	365 mm
Height	712 mm

NOTES

- All dimensions are in millimetres (mm).
- Water connections: 2-G1.5" (DN50).
- Allow minimum 500mm clearance on all sides for installation and airflow.
- Unit must be installed on a level and solid base.

SPECIFICATIONS

Model Number	ITS-10.3HPi	ITS-12.8HPi	ITS-14.5HPi	ITS-18.7HPi	ITS-21.8HPi
Boost Mode (Max) Capacity (Air 27°C / Water 26°C / Humidity 80%)	**2.9 - 10.3kW**	**2.9 - 12.8kW**	**2.8 - 14.5kW**	**3.8 - 18.7kW**	**3.8 - 21.8kW**
Consumed Capacity	0.24 - 1.56kW	0.24 - 2.13kW	0.23 - 2.28kW	0.31 - 3.67kW	0.31 - 4.95kW
COP	12.1 - 6.6	12.1 - 6.0	12.2 - 6.35kW	12.4 - 5.1	12.4 - 4.4
Heating Capacity (Air 27°C / Water 26°C / Humidity 80%)	**2.9 - 7.16kW**	**2.9 - 9.15kW**	**2.8 - 12.5kW**	**3.8 - 16.0kW**	**3.8 - 18.8kW**
Consumed Capacity	0.24 - 0.95kW	0.24 - 1.35kW	0.23 - 1.79kW	0.31 - 2.67kW	0.31 - 3.62kW
COP	12.1 - 7.5	12.1 - 6.8	12.2 - 7.0	12.4 - 6.0	12.4 - 5.2
Silence Mode Heating Capacity (Air 27°C / Water 26°C / Humidity 80%)	**2.9 - 5.0kW**	**2.9 - 6.1kW**	**2.8 - 7.9kW**	**3.8 - 9.7kW**	**3.8 - 11.3kW**
Consumed Capacity	0.24 - 0.52kW	0.24 - 0.71kW	0.23 - 0.79kW	0.31 - 1.11kW	0.31 - 1.45kW
COP	12.1 - 9.6	12.1 - 8.6	12.2 - 10.0	12.4 - 8.7	12.4 - 7.8
Boost Mode (Max) Heating Capacity (Air 15°C / Water 26°C / Humidity 71%)	**1.9 - 7.3kW**	**1.9 - 9.3kW**	**2.0 - 10.5kW**	**3.5 - 15.0kW**	**3.5 - 17.0kW**
Consumed Capacity	0.29 - 1.56kW	0.29 - 2.09kW	0.29 - 2.28kW	0.46 - 3.95kW	0.46 - 4.72kW
COP	6.55 - 4.69	6.55 - 4.45	6.9 - 4.6	7.6 - 3.8	7.6 - 3.6
Heating Capacity (Air 15°C / Water 26°C / Humidity 71%)	**1.9 - 5.3kW**	**1.9 - 6.8kW**	**2.0 - 9.12kW**	**3.5 - 12.8kW**	**3.5 - 14.5kW**
Consumed Capacity	0.29 - 1.04kW	0.29 - 1.39kW	0.29 - 1.81kW	0.46 - 2.84kW	0.46 - 3.45kW
COP	6.55 - 5.1	6.55 - 4.9	6.9 - 5.05	7.6 - 4.5	7.6 - 4.2
Silence Mode Heating Capacity (Air 15°C / Water 26°C / Humidity 71%)	**1.9 - 3.6kW**	**1.9 - 4.4kW**	**2.0 - 5.7kW**	**3.5 - 7.5kW**	**3.5 - 8.7kW**
Consumed Capacity	0.29 - 0.63kW	0.29 - 1.81kW	0.29 - 0.88kW	0.46 - 1.25kW	0.46 - 1.55kW
COP	6.55 - 5.7	6.55 - 5.4	6.9 - 6.5	7.6 - 6.0	7.6 - 5.6
Boost Mode (Max) Cooling Capacity (Air 35°C / Water 26°C)	**--**	**--**	**--**	**2.0 - 8.4kW**	**2.0 - 8.8kW**
Consumed Capacity	--	--	--	0.53 - 3.23kW	0.53 - 3.67kW
EER	--	--	--	3.8 - 2.6	3.8 - 2.4
Cooling Capacity (Air 35°C / Water 26°C)	**1.6 - 4.5kW**	**1.6 - 5.2kW**	**1.8 - 7.0kW**	**2.0 - 7.8kW**	**2.0 - 8.6kW**
Consumed Capacity	0.38 - 1.13kW	0.38 - 1.55kW	0.38 - 1.75kW	0.53 - 2.6kW	0.53 - 3.31kW
EER	4.2 - 4.0kW	4.2 - 3.35kW	4.7 - 4.0	3.8 - 3.0	3.8 - 2.6
Silence Mode Capacity (Air 35°C / Water 26°C)	**1.6 - 3.0kW**	**1.6 - 3.5kW**	**1.8 - 4.4kW**	**2.0 - 4.8kW**	**2.0 - 5.6kW**
Consumed Capacity	0.38 - 0.73kW	0.38 - 0.85kW	0.38 - 1.01kW	0.53 - 1.41kW	0.53 - 1.70kW
EER	4.2 - 4.1	4.2 - 4.1	4.7 - 4.35	3.8 - 3.4	3.8 - 3.3
GENERAL INFORMATION					
Power Supply	208-230V / 1-50/60Hz				
Heat Pump Type (Swimming Pool Heat Pump)	Inverter				
Cabinet Type	Metal + Corrosion Resistant ABS Plastic				
Certification	[CE] [UKCA] [CB] [SAA] [NF]				
Operating Air Temperature	-7°C - 43°C				
Max Current	11A	13A	15A	21A	25A
Compressor Type	Rotary				
Max Fan Volume	2500m³/h	3000m³/h	3600m³/h	3750m³/h	3900m³/h
Refrigerant Amount (R32)	0.55kg	0.55kg	0.75kg	0.78kg	0.78kg
Sound Pressure Level (1m) Boost Mode	48dBA	52dBA	55dBA	56dBA	58dBA
Sound Pressure Level (3m) Boost Mode (Theoretical Value)	39dBA	43dBA	46dBA	47dBA	49dBA
Sound Pressure Level (1m)	41dBA	43dBA	49dBA	50dBA	54dBA
Sound Pressure Level (3m) (Theoretical Value)	32dBA	34dBA	40dBA	41dBA	45dBA
Silence Mode Sound Pressure Level (1m)	39dBA	39dBA	40dBA	41dBA	43dBA
Silence Mode Sound Pressure Level (3m) (Theoretical Value)	30dBA	30dBA	31dBA	32dBA	33dBA
Water Flow	3.1m³/h	3.9m³/h	5.4m³/h	6.9m³/h	8.3m³/h
Water Pressure Drop	4.6kPa	7.3kPa	13.8kPa	23.0kPa	33.0kPa
Water Connection	50mm				
Net Weight / Gross Weight	46kg / 52kg	46kg / 52kg	50kg / 56kg	53kg / 59kg	53kg / 59kg
Unit Net Size (L/W/H)	988 x 365 x 712mm				
Unit Carton Size (L/W/H)	1065 x 485 x 845mm				

NEED HELP SELECTING A MODEL? Use the ITS Pool Heating Calculator to estimate your pool heating requirements. POOL HEATING CALCULATOR

NEED MORE INFORMATION?

Our sales team is available to assist with product enquiries, servicing requirements and installation support. Contact your ITS representative or get in touch with our team using the details below.

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