



TROPICAL

ENERGY SOLUTIONS

Harness the power for a better future



High-Efficiency Pool Heaters 2021

Catalogue | 2021

7 versions available



Technical Data

Sizing	30-45 M3	40-55 M3	50-70 M3	65-95 M3	80-115 M3	110-145 M3	110-145 M3
Model No.	IPS-007TF1	IPS-010TF1	IPS-013TF1	IPS-017TF1	IPS-021TF1	IPS-030TF1	IPS-030TF3
Heating Capacity at Air 26°C. Humidity 80%. Water 26°C in, 28°C out							
Heating Capacity (kW)	7.76~1.76	10.55~2.40	13.61~3.09	17.15~3.88	21.41~4.85	30.01~6.81	30.05~6.84
Power Input (kW)	1.12~0.11	1.52~0.15	1.95~0.19	2.46~0.24	3.08~0.30	4.30~0.42	4.30~0.42
COP	15.75~6.94	15.84~6.95	16.12~6.98	15.96~6.98	15.95~6.96	16.11~6.98	16.14~6.99
Heating Capacity at Air 15°C. Humidity 70%. Water 26°C in, 28°C out							
Heating Capacity (kW)	5.76~1.30	7.85~1.78	10.12~2.29	12.78~2.89	15.91~3.59	22.05~4.98	22.14~4.99
Power Input (kW)	1.16~0.17	1.58~0.23	2.03~0.30	2.57~0.38	3.20~0.47	4.43~0.65	4.44~0.65
COP	7.57~4.96	7.59~4.97	7.64~4.99	7.63~4.98	7.59~4.97	7.62~4.98	7.63~4.99
Cooling Capacity at Air 35°C. Water 29°C in, 27°C out							
Cooling Capacity (kW)	4.28~1.06	5.92~1.48	7.25~1.82	9.47~2.35	11.58~2.96	15.86~3.91	15.89~3.93
Power Input (kW)	1.15~0.16	1.57~0.22	1.89~0.26	2.51~0.34	3.07~0.43	4.18~0.56	4.17~0.56
EER	6.61~3.73	6.74~3.76	6.95~3.83	6.89~3.78	6.87~3.77	6.94~3.79	6.98~3.81
Power Supply	220~240V / 1/50Hz				380~415V / 3/50Hz		
Rated power Input (Kw)	1.2	1.6	2.1	2.6	3.2	4.4	4.4
Rated Current (A)	5.4	7.3	9.4	11.7	14.6	20.1	7.9
Compressor	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Refrigerant	R32	R32	R32	R32	R32	R32	R32
Heat Exchanger	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium
Air Flow Direction	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Water Flow Colume (m³/h)	2.5	3.5	4.5	5.5	6.5	9	9
Kind of defrost	by 4 way valve	by 4 way valve	by 4 way valve	by 4 way valve	by 4 way valve	by 4 way valve	by 4 way valve
Working temperature range (°C)	-15~43	-15~43	-15~43	-15~43	-15~43	-15~43	-15~43
Noise level (dBa)	≤43	≤43	≤46	≤46	≤46	≤48	≤48
Casing Material	ABS plastic	ABS plastic	ABS plastic	ABS plastic	ABS plastic	ABS plastic	ABS plastic
Net Dimensions (mm) (LxWXH)	860*320*592	860*320*592	920*360*640	920*360*640	920*360*640	1080*370*730	1080*370*730
Package Dimensions (mm) (LxWXH)	940*400*710	940*400*710	990*430*760	990*430*760	990*430*760	1140*440*860	1140*440*860
Net Weight (kg)	40	42	51	54	58	86	86
Gross Weight (kg)	51	53	62	65	69	97	97
Water Proof Level	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4

Swimming Pool Heating

Dedicated

stores only

NEW

2021 Range

ONLY BUY

THE BEST



COR* ≥ 7,63

< 20dB^{A 10M**}

EFFICIENT & ECONOMICAL

SINGLE PHASE & 3 PHASE

Advantages

- * Fully inverter driven with variable speed fan and compressor to deliver the lowest running costs with maximum heat output.
- * High efficiency with COPs of up to 13. This means that for every 1kw of electricity used by the heat pump, 13kw of heat is returned to the pool.
- * The desired water temperature can be adjusted in steps of 0.1 °C.
- * Standard with Wifi module – control the heat pump from your smartphone.
- * Brushless variable speed DC fan motor-very efficient with extremely quiet operation.
- * ABS plastic-Anti-corrosion, suitable for coastal area
- * Heating capacity range: 7Kw~30kW
- * Function: Heating and cooling function
- * Pre-Charged w/ Eco-friendly R32 Refrigerant.
- * Titanium heat exchanger is resistant to corrosion from pool chemicals including salt.
- * Display shows temperature & power consumption curves to monitor the performance of the heat pump.
- * Desired water temperature can be set from +10c to +40c.
- * Soft start with reduced electrical startup requirements for properties with sensitive or limited power supplies.
- * Working Temperature as low as -15 Degrees
- * Automatic Defrost

* Average COP above 7'63 based on European standards (Air 15°C, Water 26°C, Hygro 70%) certified by TUV.
** Average noise at 10m distance from the heate pump





Reasons to Buy a Pool Heater



You Can Swim All Year Round



It Increases Your Property Value for Selling and Renting.



A pool heater increases the amount you can charge for your rental during the winter months.



A pool heater will make your rental more attractive during the winter months increasing your revenue.



It Gives Amazing Health Benefits.



Pool heating done right, doesn't cost as much as you think. Our high efficiency heaters will save you money.



Pure Enjoyment.

Book Your
Appointment Today



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