



HYDRO-PRO⁺ PREMIUM HEAT PUMP

HYDRO-PRO⁺ premium



EFFICIENT AND ECONOMIC

Heat from surrounding air is absorbed by the heat pump and transferred to the pool. For each kW of energy consumed by the Hydro-Pro⁺ Premium heat pump, up to 6kW of heat will be transferred to your pool.

USE

The Hydro-Pro⁺ Premium heat pump is an all-season model and should be installed outside. The pump operates in ambient air temperatures down to -10°C and extracts heat efficiently from the air even in low temperatures. The Hydro-Pro⁺ Premium heat pump has an additional benefit of offering a cooling function for use in high ambient temperatures. A LCD touch display allows easy operation (except type 22T and 30T) and all functions are microprocessor controlled. Hydro-Pro⁺ Premium heat pumps are fitted with a flow switch to ensure the units cannot run without water flow, preventing damage.

ENVIRONMENTALLY FRIENDLY

- Hydro-Pro⁺ Premium pumps are environmentally friendly because 80% of the energy produced is obtained from the ambient air, a completely natural and renewable resource.
- Efficient R410a refrigerant gas used in the pump has no harmful effects on the ozone layer.
- The cost savings of the Hydro-Pro⁺ Premium heat pumps are excellent with a COP of up to 6.
- Hydro-Pro⁺ Premium heat pumps are very quiet running with the use of a low noise rotary scroll compressor and 2 speed fan

NEW LOOK

Hydro-Pro⁺ Premium pumps are stylish, with a black corrosion proof cabinet giving a great new and fresh look which blends in well with surroundings.

SUSTAINABLE

By using high quality materials like stainless steel, PVC and titanium for the heat exchanger, the Hydro-Pro⁺ Premium heat pump is resistant to damage from chlorine or salt. The casing of this heat pump is in a plastic material (ABS), ideal for salty air/coastal locations. To improve efficiency, ⁺Premium heat pumps are equipped with oversized heat exchangers and efficient compressors, providing excellent performance at very low temperatures.

EASY INSTALLATION

The unit is remarkably compact and well designed so it is easy to install. Installation guidelines are given within the product manual regarding the location of the pump and its electrical wiring. It is recommended to connect the heat pump with a bypass for the filter system to maintain flow rates and ease of maintenance. Rubber feet are included to help reduce noise and wear & tear from vibrations. Drain plugs and covers are also supplied to assist when winterising the unit.





Technical data Hydro-Pro+ Premium heat pumps

Unit Hydro-Pro+ Premium	Model	7	10	14	19	22T	30T
Part nr.		7000855	7000856	7000857	7000858	7002050	7002051
Heating capacity A25/W25	kW	7,3	9,7	14	19	22	28
Heating capacity A15/W26	kW	6	8	11,5	15,5	20,7	28
Cooling capacity A25/W25	kW	5,2	7,6	12	16,4	17,6	24
Power input	kW	1,36	1,87	2,48	3,48	3,67	5
Maximum volume	m ³	30	40	60	80	95	130
Running current	A	6,1	8,5	11,3	15,8	6,1	8,3
Maximum current	A	7,32	10,2	13,56	18,96	7,1	9,5
COP at A25/W25		5,26	5,3	5,7	5,5	6	6
COP at A15/W26		4,4	4,3	4,6	4,5	5,5	5,5
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380/3/50	380/3/50
Controller		Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Condenser		Titanium	Titanium	Titanium	Titanium	Titanium	Titanium
Compressor quantity		1	1	1	1	1	1
Compressor type		Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
Refrigerant		R410a	R410a	R410a	R410a	R410a	R410a
Air flow high	m ³ /h	2100	2100	2300	3200	4500	4500
Air flow low	m ³ /h	1800	1800	2000	2700	3800	3800
Fan quantity		1	1	1	1	1	1
Fan power input	W	120	120	120	120	215	215
Fan speed	RPM	850/870	850/750	850/750	850/750	820/680	820/680
Fan direction		horizontal	horizontal	horizontal	horizontal	vertical	vertical
Noise level	dB(A)	50	51	54	54	57	57
Water connection	mm	50	50	50	50	50	50
Nominal water flow	m ³ /h	3	3	4,5	6	14	19
Maximum pressure loss	kPa	10	10	10	10	16	17
Nett dimensions	L/W/H mm	1003/455/683	1003/455/683	1118/500/875	1118/500/875	660/660/960	660/660/960
Shipping dimensions	L/W/H mm	1130/470/705	1130/470/705	1240/500/900	1240/500/900	700/740/1110	700/740/1110
Net weight / shipping weight	Kg	55/60	60/65	77/82	117/128	112/122	123/133



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