hydro-pro® inverter

Heat pumps, XPDCsi+ type

EFFICIENT AND ECONOMICAL

Hydro-Pro inverter heat pumps are ultra economical because up to 8.2 kW in heat is transferred to the water for every kW consumed. The inverter system reduces the power input by optimally aligning the heating capacity with the weather conditions. All 230 V models are supplied with a soft start module which prevents voltage fluctuations when starting.

USE

The Hydro-Pro inverter heat pump is designed for outside installation, allowing the swimming pool to be heated from April to October. It has 3 user modes for optimal use:

- POWER: This mode is used to ensure that the swimming pool water is at the required temperature at the start of the season.
- SMART: The heat pump has accomplished its primary task. The heat pump can keep the swimming pool water at the required temperature level in an energy efficient manner in this mode. The heat pump's efficiency is better because of the automatic adjustment of the rotational speed of the compressor and fan.
- SILENT: The heat pump will be even more efficient during the summer months when the heating capacity is the lowest that is required.

An additional advantage is that the noise load is the lowest possible when the heat pump must additionally heat. The water pump has an LCD display, which makes using the water pump easier and that can be used to select the required mode. POWER, SMART or SILENT.

DID YOU KNOW ...

... our Hydro-Pro inverter heat pumps are environmentally friendly as 80% of the produced energy comes from the surrounding air?
... the use of the efficient R410A refrigerant in the pump does not have any negative effects on the ozone layer?
... the savings on costs of our Hydro-Pro inverter heat pumps is excellent? The Coefficient of Performance (COP) value is 8.2 at an outdoor temperature of approximately +15 °C (13 at +27 °C)?
... these pumps work extremely quietly because of the use of energy-efficient and quiet DC inverter rotary compressors and fans?

DURABLE

High-quality materials have been processed in the pump such as titanium and PVC and, therefore, it can withstand damage caused by chlorine or salt in the swimming pool water. The ABS choice for the housing boosts the service life of the heat pump. The pump is equipped with an extra large heat exchanger for better efficiency.

EASY INSTALLATION

The extremely compact device is so simple to install. You will find guidelines for the installation of the heat pump and the connection of the electrical wiring in the manual supplied. We recommend using a bypass when connecting the heat pump which will regulate the correct flow. The pump is supplied with rubber feet to reduce noise pollution and wear due to vibrations. You will receive a cover and draining plugs when the pump is delivered to ensure it is ready for winter.

HYDRO-PRO INVERTER HEAT PUMPS - TECHNICAL DATA

HYDRO-PRO INVERTER UNIT	MODEL	XP07DCsi+	XP10DCsi+	XP13DCsi+	XP17DCsi+	XP21DCsi+
Part nr.		7018545	7018546	7018547	7018548	7018549
Heating capacity A27/W27 (max. - min.)	kW	7-3.6	10-2.3	13-2.6	17-3.8	20-4
Heating capacity A15/W25 (max. - min.)	kW	5.1-2.5	7.1-1.9	9.6-2	11.5-3	14-3
Power input (max.-min.)	kW	1.1-0.3	1.5-0.2	1.9-0.2	2.5-0.3	3.0-0.3
Maximum swimming pool volume*	m^3	20	30	40	45	55
Maximum current	A	4.43	6.65	8.57	11.31	12.98
Slow fuse current	A	12	18	24	31	36
COP at A27/W27		12-6.6	13-6.6	13-6.7	13-6.7	13-6.7
COP at A15/W25		6.5-5.1	7.5-5.1	7.5-5.2	8.2-5.2	8.2-5.1
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Controller		Electronic	Electronic	Electronic	Electronic	Electronic
Condenser		Titanium	Titanium	Titanium	Titanium	Titanium
Compressor type		DC Inverter Rotary	DC Inverter Rotary	DC Inverter Rotary	DC Inverter Rotary	DC Inverter Rotary
Compressor brand		GMCC	GMCC	MITSUBISHI	MITSUBISHI	MITSUBISHI
Refrigerant		R410A	R410A	R410A	R410A	R410A
Fan quantity		1	1	1	1	1
Fan direction		Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Noise level (1 m)	dB(A)	40-50	40-52	40-54	41-56	41-56
Water connection	mm	50	50	50	50	50
Nominal flow rate	m^3/h	2.5	3.0	4.0	5.0	6.0
Nett dimensions	mm	1008/380/577	1050/440/709	1050/440/709	1050/450/870	1050/450/870
Shipping dimensions	mm	1195/430/705	1130/470/850	1130/470/850	1140/480/1010	1140/480/1010
Net weight/shipping weight	Kg	54/66	68/73	78/83	98/113	108/123

HYDRO-PRO INVERTER UNIT	MODEL	XP26DCsi+	XP26TDCsi+	XP35DCsi+	XP35TDCsi+
Part nr.		7018550	7018551	7018552	7018553
Heating capacity A27/W27 (max. - min.)	kW	26-6.8	26-6.8	35-7	35-7
Heating capacity A15/W25 (max. - min.)	kW	19-5.4	19-5.4	24-5.6	24-5.6
Power input (max.-min.)	kW	3.9-0.5	3.9-0.5	5.2-0.5	5.2-0.5
Maximum swimming pool volume*	m^3	75	75	100	100
Maximum current	A	17.07	11.43	23.08	15.46
Slow fuse current	A	47	31	63	43
COP at A27/W27		13-6.7	13-6.7	13-6.7	13-6.7
COP at A15/W25		8.2-5.2	8.2-5.2	8.2-5.2	8.2-5.2
Power supply	V/Ph/Hz	220-240/1/50	380/3/50	220-240/1/50	380/3/50
Controller		Electronic	Electronic	Electronic	Electronic
Condenser		Titanium	Titanium	Titanium	Titanium
Compressor type		DC Inverter Rotary	DC Inverter Rotary	DC Inverter Rotary	DC Inverter Rotary
Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
Refrigerant		R410A	R410A	R410A	R410A
Fan quantity		2	2	2	2
Fan direction		Horizontal	Horizontal	Horizontal	Horizontal
Noise level (1 m)	dB(A)	42-60	42-60	42-60	42-60
Water connection	mm	50	50	50	50
Nominal flow rate	m^3/h	8.0	8.0	10.0	10.0
Nett dimensions	mm	1050/452/1295	1050/452/1295	1050/452/1295	1050/452/1295
Shipping dimensions	mm	1130/515/1430	1130/515/1430	1130/515/1430	1130/515/1430
Net weight/shipping weight	Kg	120/138	120/138	130/148	130/148

* Provided it is correctly insulated, calculation model: 4x heating capacity (A15/W25)

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Your distributor: