

# PRO-ELYO INVERTER



AIR-WATER HEAT PUMPS FOR OUTDOOR INSTALLATION

ASTRALPOOL 



## Pro-Elyo Inverter

Air/water heat pump for heating pools with inverter technology.

For residential pools of up to 80 m<sup>3</sup>.

Inverter technology enables a heat pump to work on the power it needs depending on demand. This increases a facility's efficiency, makes it less noisy and it consumes less.



Heat pump configurator:

[www.astralpool.com](http://www.astralpool.com) → Calculation tools

## PRODUCT DESCRIPTION

- Specially designed to work in colder climates at temperatures as low as **-10 °C**.
- The inverter technology makes it possible to heat a pool with **less noise and at a lower cost**.
- **Its COP** is up to **30%** greater than a conventional heat pump.
- It has 3 operating modes: **powerful, smart and quiet**.
- **Reverse cycle** defrosting.
- **Electronic** expansion valve.
- **R-410A** refrigerant.
- **Heat and cold** regulated to keep a constant temperature
- **ABS** housing.
- High and low pressure switch.
- **Winter cover** included.

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We reserve the right to change all or part of the product features and/or the contents of this document without prior notice.

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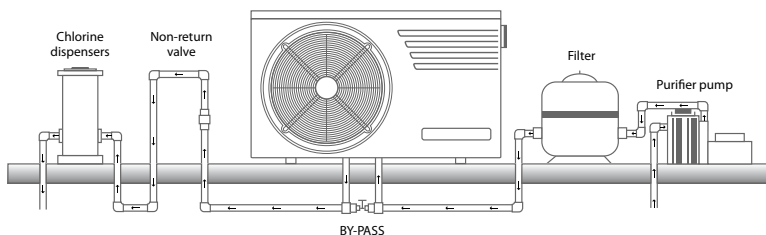


TECHNICAL SPECIFICATIONS					
MODEL		PRO-ELYO INVERTER 13	PRO-ELYO INVERTER 21	PRO-ELYO INVERTER 35	
CODE		66108	66109	66110	
27 °C AIR T. 27 °C WATER T. 80% HUMIDITY	Power mode Pow./Smt./Sil.	KW	13,5/9,3/6,3	21/15,8/10,5	33/24,8/16,5
	COP smt.		7,6	7,6	7,6
15 °C AIR T. 26 °C WATER T. 70% HUMIDITY	Power mode Pow./Smt./Sil.	KW	11,5/7,2/4,5	15/11/7,3	25/18,7/12,5
	COP smt.		5,6	5,6	5,6
5 °C AIR T. 26 °C WATER T.	Power mode Pow./Smt./Sil.	KW	9,2/5,8/3,6	10,9/8,0/5,3	19,4/14,5/9,7
	COP smt.		4,3	4,2	4,3
SMT. INPUT		KW	1,23	2,08	3,27
STD. RATED CAPACITY		A	5,4	9	6,4
VOLTAGE		V/Ph/Hz	220-240V/1Ph/50Hz	220-240V/1Ph/50Hz	380V/3Ph/50Hz
DISPLAY			LED/LCD		
NUMBER OF FANS			1	2	2
SOUND LEVEL IN POWERFUL MODE		dB(A) (1 m)	54	56	60
SOUND LEVEL IN SILENT MODE			50	50	52
WATER CONNECTION		Inches	1-1/2		
APPROXIMATE POOL VOLUME (for pool with cover)		Max. m <sup>3</sup>	43	50	90
		Min. m <sup>3</sup>	25	33	52
DIMENSIONS	Length	mm	1098	1050	1050
	Width		408	452	452
	Height		786	1264	1264
WEIGHT	Net	Kg	78	91	145
	Gross		83	101	157

ELECTRICAL TECHNICAL SPECIFICATIONS					
MODEL		PRO-ELYO INVERTER 13	PRO-ELYO INVERTER 21	PRO-ELYO INVERTER 35	
VOLTAGE		V/Ph/Hz	220-240V/1Ph/50Hz	220-240V/1Ph/50Hz	380V/3Ph/50Hz
RATED CAPACITY		A	5,4	9	6,4
MAXIMUM RATED CAPACITY		A	13,9	18,2	18,3
FUSE RATING		A	30	40	40
POWER CABLE	Max 20 m	mm <sup>2</sup>	2x4	2x6	3x4
	Max 50 m		2x10	2x10	3x10

Maximum operating conditions: minimum outdoor air temperature -10 °C. Maximum pool water temperature 40 °C. Maximum water inlet pressure 3 bar

## Diagram of setup



- The heat pump is ready for connection to a general power supply to earth.
- Cable section: This section is a guideline only and must be checked and adapted according to installation requirements and conditions.
- The threshold voltage variation is +/-10% during operation.
- Protect the line with a circuit breaker and a 30 mA residual-current device.
- The air should reach the unit free of obstacles (30 cm min.).
- The air expelled should not be blocked by anything (1.5 m).
- Avoid potential air recirculation.
- Mount the unit on a level base.