

STARLine



AIR-WATER HEAT PUMPS FOR OUTDOOR INSTALLATION



STARLine

The most inexpensive air-water heat pump to run for heating pools.

For residential pools of up to 80 m³.

This technology makes it possible to extend the swimming season so that pools can be used for longer during the year. Its capacity for extracting energy from air enables it to obtain 5 times more energy that it consumes. It is therefore low on power consumption and high on eco-friendliness.

PRODUCT DESCRIPTION

- The best value for money heat pump in the market.
- **STARLine** has been especially designed to make huge energy savings in colder climates.
- The greater the COP, the greater the energy savings. STARLine heat pumps have over-dimensioned components, such as the evaporator and the A1 titanium dual coil heat exchanger.
- The electric element in the bottom tray prevents ice from forming on the base of the unit.
- Reverse **cycle defrosting**
- R-410A **refrigerant**
- Minimum working temperature of air of 0 °C
- **Heat and cold** regulated to keep a constant temperature
- **ABS housing** / Grey
- Digital control; watertight switchboard
- High and low pressure flow meter



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

Long pleasure

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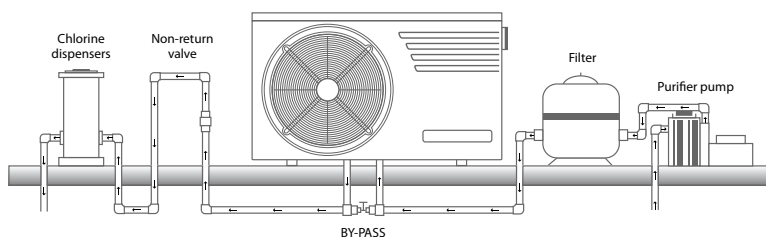
TECHNICAL SPECIFICATIONS									
MODEL			STARLine6	STARLine10	STARLine13	STARLine15	STARLine20	STARLine25	STARLine35
CODE			66078	66079	66080	66081	66082	66101	66103
24°C AIR T. 26°C WATER T.	Power	KW	4,8	8,2	11,6	17,2	23,2	22,5	33,1
	COP		5	5,1	5,4	5,1	6,2	5,4	5,5
15°C AIR T. 26°C WATER T.	Power	KW	3,6	6,2	8,7	12,9	17,9	16,9	24,8
	COP		3,8	3,8	4,1	3,8	4,8	4,1	4,1
5°C AIR T. 26°C WATER T.	Power	KW	2,5	4,2	5,6	9,1	9,7	10,8	15,6
	COP		2,7	2,7	2,9	2,6	3,6	2,9	2,9
INPUT		KW	1	1,1	2,1	3,5	3,7	4,2	6
RATED CAPACITY		A	4,5	7,3	9,5	15,9	16,8	7,1	10,1
VOLTAGE		V/Ph/Hz	220-240V/1Ph/50Hz				380V/3Ph/50Hz		
DISPLAY			LED/LCD						
NUMBER OF FANS			1	1	1	1	1	1	2
SOUND LEVEL		dB(A) (1 m)	50	53	54	56	56	56	57
WATER CONNECTION		Inches	1-1/2						
MIN. WATER FLOW		m³/h	1,3	2,2	3,6	4,9	6	6	13
APPROXIMATE POOL VOLUME (for pool with cover)		Max. m³	12	19	30	45	60	56	80
		Min. m³	5	15	19	27	37	35	52
DIMENSIONS	Length	mm	778	938	1015	1080	1078	1078	1078
	Width		293	360	370	416	416	416	416
	High		511	581	621	708	958	958	1258
WEIGHT	Net	Kg	33	48	60	91	99	99	120
	Gross		38	56	67	104	114	114	136

Winter cover included.

ELECTRICAL TECHNICAL SPECIFICATIONS									
MODEL			STARLine6	STARLine10	STARLine13	STARLine15	STARLine20	STARLine25	STARLine35
VOLTAGE		V/Ph/Hz	220-240V/1Ph/50Hz				380-400V/3Ph/50Hz		
RATED CAPACITY		A	4,5	7,3	9,5	15,9	16,8	7,1	10,1
FUSE RATING		A	10	13	20	25	25	3x16	3x20
POWER CABLE	Max 20 m	mm²	2x2,5	2x2,5	2x4	2x6	2x6	3x4	3x6
	Max 50 m		2x4	2x4	2x6	2x6	2x6	3x6	3x6

Maximum operating conditions: minimum outdoor air temperature 0 °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.