

# EVOLine



AIR/WATER HEAT PUMPS, FOR OUTDOOR INSTALLATION

ASTRAL POOL



AstralPool Toolbox  
app for IOS and Android



Fluidra Connect  
compatible

## KEY BENEFITS

- **9 power levels** from 4.5 kW to 32.3 kW\*
- **Smooth and quiet** performance **down to 0°C** outdoor air temperature
- **Heating and Cooling** regulation

\*Temperature conditions of 28°C Air / 28°C Water



EVOLine

## TECHNICAL TIPS

### 1. DESIGNED-TO-COMFORT

Evoline features a large evaporator and low fan speed allowing maximum air flow while operating quietly and avoiding frost accumulation.

### 2. SOFT STARTER

For high power units, the soft starter will prevent peak currents when the Heat Pump starts, thus avoiding the main fuse/breaker to trip and ensuring the viability of components.

### 3. AUTOMATIC HEAT / COOL MODE

The heat pump will switch automatically from heat to cool mode to stabilize the temperature at the desired target.

## INCLUDED ACCESSORIES

- 1 x Winter Cover
- 4 x Anti-vibrations feet
- 2 x Water nozzles
- 1 x 10m Signal wire (to connect the screen remotely)
- 1 x screen cover (instead of the remote screen)
- 1 x plate cover to install the display on the wall
- 2 x PVC fittings unions 50

## COMPLEMENTARY INFORMATION

- Check out our Website: <http://www.fluidra.com> or <https://www.astralpool.com>
- Check out our Astralpool configurator to select the best heat pumps according to your need: <https://www.astralpool.com>

We reserve the right to change all or part of the features of the articles or contents of this document, without prior notice.

[www.astralpool.com](http://www.astralpool.com)

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## TECHNICAL CHARACTERISTICS - EVOLine

MODELS		EVOLine 6M	EVOLine 10M	EVOLine 13M	EVOLine 15M	EVOLine 17M	EVOLine 20M	EVOLine 20T	EVOLine 25M	EVOLine 25T	EVOLine 35T		
CODES		66069-R32	66070-R32	66071-R32	66072-R32	66405-R32	66073-MOD	66073-R32	66074-M-MOD	66074-R32	66075-MOD		
GENERAL DATA	Indicative pool volume <sup>(1)</sup>	m <sup>3</sup>	≤ 15	≤ 26	≤ 50	≤ 60	≤ 70	≤ 90	≤ 90	≤ 120	≤ 120	≤ 150	
	Refrigerant fluid		R32					R410A	R32	R410A	R32	R410A	
	Refrigerant fluid quantity	Kg	0,4	0,8	0,9	1,1	1,15	1,7	1,25	2,3	1,2	2,6	
	Defrosting mode		Reverse cycle										
	Cooling mode		√ (Automatic)										
	Heating priority (filtration control)		√										
	Average water flow	m <sup>3</sup> /h	-	-	-	-	-	-	-	-	-	-	
	Water pressure loss	Kpa (Bar)	10		12			14	16		30		
	Net weight	kg	33	48	54	60	68	91		99		120	
	Gross weight	kg	38	58	65	67	80	104		114		136	
	Net dim. (WxDxH)	mm	778x293x511	938x360x581	1015x370x621			1080x416x708		1078x416x958		1078x416x1258	
	Packing dim. (WxDxH)	mm	880x340x640	1070x390x710	1140x410x760			1160x460x840		1160x490x1100		1160x490x1390	
INSTALLATION	Air blowing		Horizontal										
	Outdoor / Indoor installation		Outdoor										
	Hydraulic connection	mm	Ø 38										
	Power cable length	m	-	-	-	-	-	-	-	-	-	-	
	Recommended power cable section <sup>(2)</sup>		3x1,5	3x2,5				3x4	5x2,5	3x4	5x2,5	5x4	
ELECTRICAL DATA	Maximum operating current	A	-	-	-	-	-	-	-	-	-		
	Starting current	A	- (Soft Starter)										
	Rated current	A	4,07	6,17	8,9	9,67	10,96	15,9	5,13	16,8	5,62	10,1	
	Electric Power Supply	V	220~240V / 50Hz / 1PH					380V/50Hz / 3PH		220~240V / 50Hz / 1PH	380V / 50Hz / 3PH		
EQUIPMENT	Casing		ABS										
	Exchanger		Titanium										
	Expansion valve		Capillary										
	Compressor		Scroll										
	Fan		AC										
	Number of Fan	Unit	1							2			
	Anti-icing resistance		√ (on condenser)										
	Touchscreen		Detachable										
	Display		√										
	NN compatibility		√										
	WIFI		x										

66069-MOD-EVOLINE\_19.06.18\_EN\_CUSTOMERR32

(1) Estimated average values for a private pool with isothermal cover, from 15 May to 15 September. For an accurate sizing, please consult our configurator Astralpool

(2) For a maximum length of 20 meters

√ Standard feature

x Non available feature

- No data associated to this feature

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<b>HEATING PERFORMANCE<sup>(3)</sup></b>												
Performance at Air 28°C, Water 28°C, Humidity 80%	Heating capacity	kW	4,69	7,41	10,41	11,60	14,89	17,64	18,50	22,72	22,26	32,27
	Power consumption	kW	0,87	1,33	1,91	2,08	2,36	3,24	2,95	3,58	3,23	5,57
	C.O.P.		5,36	5,58	5,44	5,58	6,32	5,44	6,27	6,35	6,89	5,80
Performance at Air 15°C, Water 26°C, Humidity 70%	Heating capacity	kW	3,23	5,45	7,59	8,40	10,71	12,37	13,37	16,32	16,13	23,40
	Power consumption	kW	0,80	1,15	1,69	1,86	2,21	3,06	2,85	3,47	3,22	5,13
	C.O.P.		4,04	4,74	4,49	4,52	4,85	4,04	4,69	4,70	5,01	4,57
Performance at Air 7°C, Water 26°C, Humidity 70%	Heating capacity	kW	2,63	4,65	6,28	7,10	8,89	10,05	10,93	13,02	13,63	18,46
	Power consumption	kW	0,83	1,18	1,69	1,84	2,26	3,08	2,88	3,43	3,28	4,94
	C.O.P.		3,17	3,94	3,72	3,86	3,93	3,26	3,80	3,79	4,16	3,73
Performance at Air 0°C, Water 26°C, Humidity 78%	Heating capacity	kW	1,98	3,46	4,10	5,39	6,94	8,23	7,52	8,75	10,28	12,79
	Power consumption	kW	0,78	1,12	1,56	1,72	2,16	2,89	2,75	3,22	3,19	4,73
	C.O.P.		2,53	3,10	2,64	3,13	3,21	2,84	2,74	2,71	3,22	2,70

(3) Power, expressed in kW, indicates the quantity of heat transferred to the water. It varies depending on 3 conditions: temperature of the outside air, humidity of the outside air and temperature of the water in the pool.

To compare the performances of different heat pumps, it is a must to compare Power and COP under the same conditions.

## COOLING PERFORMANCE

Performance at Air 40°C, Water 28°C, Humidity N/C	Cooling capacity	kW	1,16	3,02	3,83	3,36	4,61	6,71	5,62	11,39	8,28	12,72
	Power consumption	kW	1,03	1,45	2,11	2,45	2,88	4,52	4,07	5,26	4,43	7,91
	EER <sup>(4)</sup>		1,13	2,09	1,82	1,37	1,60	1,48	1,38	2,16	1,87	1,61
Performance at Air 30°C, Water 26°C, Humidity N/C	Cooling capacity	kW	1,49	3,86	4,90	4,30	5,90	8,58	7,18	14,56	10,59	16,27
	Power consumption	kW	0,95	1,34	1,96	2,28	2,68	4,19	3,78	4,88	4,11	7,35
	EER		1,56	2,87	2,50	1,89	2,20	2,05	1,90	2,98	2,58	2,21

(4) Energy Efficiency Ratio

## ACOUSTIC PERFORMANCE

Acoustic power (Lw) Heating mode	dB(A)	-										
Acoustic pressure (Lp) at 1m Heating mode	dB(A)	≤55	≤52	≤52	≤56	≤51	≤56	≤59	≤56	≤60	≤57	
Acoustic pressure (Lp) at 10m Heating mode	dB(A)	-										

### Outdoor Air working temperature

Maximum T°C / Minimum T°C

Heating Mode	Cooling Mode
35 °C / 0 °C	35°C / 0°C

### Target Pool Water temperature

Maximum T°C / Minimum T°C

Heating Mode	Cooling Mode
35 °C / 0 °C	35°C / 0°C

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