Pool heat pump

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Save time, money and energy

Pool heat pump

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1. Heat pumps are specially designed for European climates, in which they used, ensuring maximum heat gains at low temperatures (higher COP at lower temperatures).
2. Higher COP - higher energy increase - lower energy costs

Powerful heat pumps, heat exchanger with a double titanium coil (Class A1), the defrosting system.

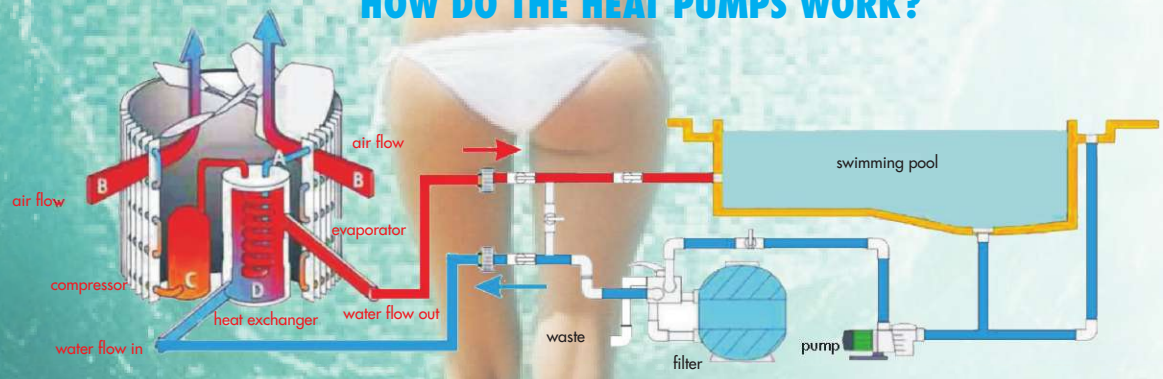
3. Practical functions

Auto-defrosting funkction at low temperatures, function of self-diagnosis, allowing for faster and more precise detection of possible irregularities in the operation of the heat pump, low/high pressure sensor, which protects compressor from damage, waterproof display and control panel.

4. The lowest price on the market, but the highest efficiency and quality that you can get.

Many years of experience in the production, high-quality plastics and materials.

HOW DO THE HEAT PUMPS WORK?




Heat exchanger


Laboratory Tests


Production

Refrigerant R410A

Pool heat pump

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Features:

1. Powerful, coated energy collector (air coils) - higher COP
2. Double, titanium (A1 Class) heat exchanger coils
3. Active automatic defrosting system - higher COP
4. Digital display
5. Waterproof display and control panel
6. Rinsing function for the sand filters
7. Robust metal housing
8. Bottom heating element to prevent ice formation
9. Galvanized bottom plate
10. Easy connection to water installation
11. Rotary compressor
12. Flow sensor
13. Pressure sensor

Model	Unit	14605	14608	14610	14612
Heating capacity A26°/W27°	kW	9	11.2	13.1	16
Power Input	kW	1.7	2.1	2.4	2.9
COP A26°/W27°	W/W	5.3	5.3	5.4	5.5
Heating capacity A15°/W27°	kW	6.5	8.5	9.7	11.5
Power Input	kW	1.6	1.9	2.2	2.6
COP A15°/W27°	W/W	4.4	4.4	4.4	4.5
Cooling capacity A32°/W27°	kW	6.1	7.7	8.8	10.5
Power Input	kW	1.75	2.2	2.5	3
EER P32°/W27°	W/W	3.5	3.5	3.5	3.5
Power Supply	V/P/Hz	220/1/50	220/1/50	220/1/50	220/1/50
Fuse current	A	16	20	20	35
Current	A	7.8	9.7	11.2	12.5
Advised pool volume (with pool cover)	m^3	30-50	40-60	50-70	60-80
Water flow volume	m^3/h	6	6.5	6.5	7
Water pressure drop	Kpa	12	15	15	16
Compressor Style			Rotary		
Heat exchanger			Titanium		
Water connection	mm	50	50	50	50
Level of noise (10 m)	dB (A)	51	52	53	54
Net Unit size (L x W x H)	mm	940x280x540	1000x305x580	1070x335x700	1070x335x700
Carton size (L x W x H)	mm	1050x380x575	1140x405x640	1200x430x740	1200x430x740
Net/Gross weight	kg	54/58	61/65	76/81	81/86

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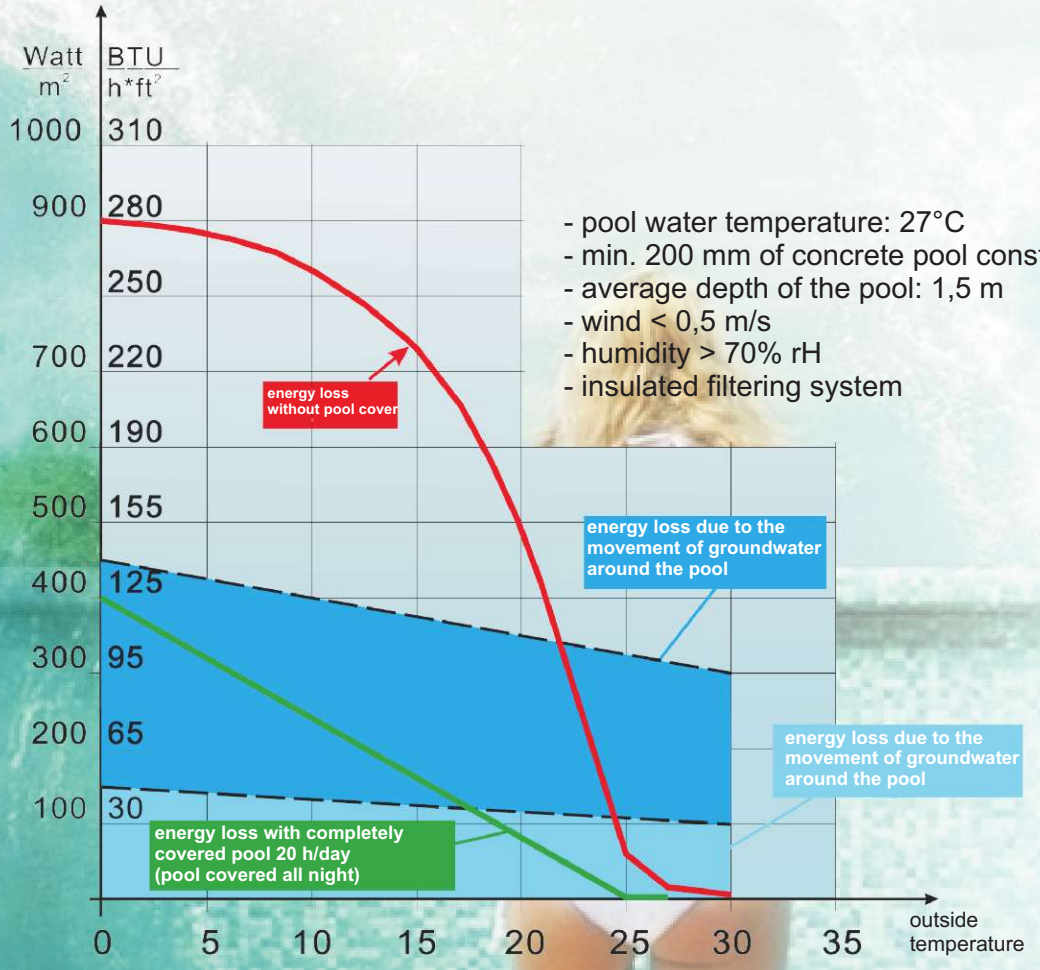
Energy loss

The average energy loss for outdoor pools at different temperatures



- pool water temperature: 27°C
- min. 200 mm of concrete pool construction
- average depth of the pool: 1,5 m
- wind < 0,5 m/s
- humidity > 70% rH
- insulated filtering system