

Dimplex Pool Heat Pump

Heat your pool comfortably by using free environmental energy



You want to extend the bathing season and use your pool without any restrictions even on less beautiful days when the sun is not shining? A pool can be heated in many ways – but the important thing here is to find an appropriate system which is not only efficient but also low priced. The comparison of different heating systems shows: A Dimplex Pool Heat Pump is the ideal solution for heating your pool.

Environmental heat is everywhere

A Dimplex Pool Heat Pump tempers the pool water during the entire bathing season and even longer to the temperature you desire – not only in an efficient way and with comparatively low energy costs but also completely independent from the weather. One manual adjustment is sufficient to determine

your pool water's temperature yourself. Therefore, you will never again have to miss enjoying your pool even when the sun is not shining. The environmental heat, saved in the outdoor air, serves as free energy source – already at temperatures from -10°C to $+35^{\circ}\text{C}$.

Economical in application and operation

Due to the integrated ventilators the heat source is practically already fitted in the place of installation. This is why the expenditure on construction and the financial expense is quite low when using a Dimplex Air-to-Water heat pump to heat up pool water. Besides that the air delivers already up to 80 % of the energy requirement, which leads to a decrease of the operating costs and a particularly economical way of operating.

Safe and comfortable

- ① Selection of temperature and operation mode by using a **remote control**
- ② Serially **integrated automatic defrosting** for the operation at low temperatures
- ③ **Titanium heat exchanger** – hard-wearing to unsteady water qualities
- ④ Simplified installation: **soft starter** serial



LAS...T pool heat pumps with serial titanium heat exchanger

Dimplex air-to-water heat pump for outdoor installation to heat up pool water

Your advantages on one sight:

- ⊗ pool water temperature can be kept constantly and is determined by yourself – completely independent from weather or length of sunshine
- ⊗ extension of the bathing season
- ⊗ heating already possible from -10°C outside temperature
- ⊗ environmental energy is used efficiently to generate a maximum of warmth
- ⊗ minimized energy input:
1 kW consummated electricity is converted in up to 5 kW heat energy
- ⊗ government incentives for heat pumps partially possible
- ⊗ independent heating system – oil tanks, gas supply or electric heaters are becoming unnecessary
- ⊗ serial titanium heat exchanger for secure operation with various water qualities
- ⊗ quiet running due to Scroll-compressor
- ⊗ easy to install, maintenance-free and reliable



A pool heat pump has to be installed into the pool filter system by a bypass loop. The temperature sensors for inlet and outlet water is already integrated.

Dimplex air-to-water heat pump for outdoor installation to heat up pool water			
Order codes	LAS 10MT	LAS 15MT	LAS 22TT
Model			
Enclosure type acc. to EN 60 529 for compact unit	IP 24	IP 24	IP 24
Installation site	Outdoor	Outdoor	Outdoor
Performance data, dimensions, connections and weight			
Operating temperature limits:			
Water outlet - / water inlet	$^{\circ}\text{C}$	to 40 / from 10	to 40 / from 10
Air	$^{\circ}\text{C}$	-10 bis +35	-10 bis +35
Heating capacity/Nominal Power Consumption			
at A20/W24 ¹⁾	kW /kW	12,1/2,9	16,6/3,5
at A15/W24 ¹⁾	kW /kW	11,0/2,8	15,0/3,4
at A10/W24 ¹⁾	kW /kW	10,1/2,7	13,5/3,3
Sound power level	dB(A)	70	70
Sound pressure level at a distance of 10 m (air-side)	dB(A)	45	45
Water flow rate at internal pressure difference	$\text{m}^3/\text{h}/\text{Pa}$	1,6/7200	2,0/12000
Refrigerant; net weight	Typ/kg	R407C/1,5	R407C/1,6
El. capacity of defrosting	kW	1,8	2,4
Dimensions (H x W x L)	cm	86 x 127 x 67	86 x 127 x 67
Equipment connections for heating	inch	G 1" ext. thread	G 1" ext. thread
Weight of transport unit incl. packaging	kg	147	155
Electrical connections			
Nominal voltage; fusing	V/A	230/20	230/25
Nominal power consumption at A15 W32 ¹⁾	kW	3,3	4,0
Starting current with soft starter	A	33	43
Nominal current at A15 W32 ¹⁾ /cos Φ	A/-	17,0/0,8	21,0/0,8
Other design characteristics			
Defrosting/type of defrosting	Automatic/electrical		
Handling	Cable-bound remote control//Indoor installation		
Heating water in the appliance protected against freezing ²⁾	yes	yes	yes

1) A20 / W24, e.g., means: outdoor air temperature 20 $^{\circ}\text{C}$ and water inlet temperature 24 $^{\circ}\text{C}$.

2) Circulation pump and the controller of the heat pump always have to be ready for operation at all the times; operating limits must be observe strictly!

Dimplex

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