



POOL HEAT PUMPS

POOL HEATING



16FE1



25FE2



100FE2

TAW pool heat pumps maximizes the value and swimming pool usage all year round. It is the most efficient and economical pool heater in the market and helps maintain the pool water temperature at a comfortable 26 degrees or more at a very economical cost.

LOW RUNNING COST

TAW pool heat pump keeps your pool water warm 24 hours a day without the need to worry about the energy bills. It only requires some energy to operate a compressor and a fan to produce up to five times more heat energy than the electricity it consumes. It offers you the significant operating cost saving compared to electric heaters. **POOL COVERS ARE NECESSARY TO RETAIN THE HEAT GENERATED.**

HOW HEAT PUMPS WORK

Heat pumps transfer energy from the air to the swimming pool through evaporator filled with a very cold refrigerant. Heat from the air is absorbed by the refrigerant, which is then pushed through the heat pump by a compressor and transferred to the pool through a special titanium heat exchanger.

INSTALLATION

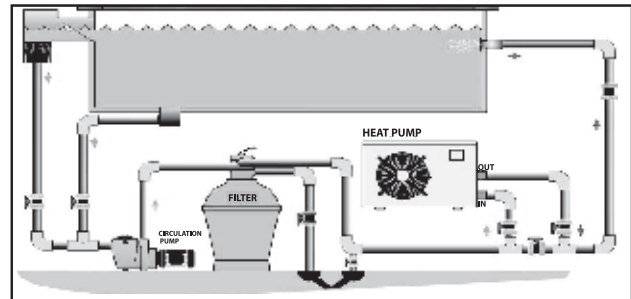
POOL COVERS help to retain heat in the pool water and are necessary in order to maximize pool heating efficiency



POOL COVER
1.6m Width by 50m Length



POOL COVER ROLLER



TECHNICAL DATA

MODEL	JDL-16FE1	JDL-25FE2	JDL-50FE2	JDL-100FE2
Suitable Swimming Pool Size(m ³)	40-80	50-90	80-170	150-300
Power Supply	220~240V/50Hz		380V /3N - 50Hz	
Heating: Outdoor air temp(DB/WB): 27°C/24°C , Water temp(in):26°C ;				
Heating Capacity (kw)	18	25	49	98
Heating Power Input (kw)	2.85	4.4	8.6	17.3
COP	6.3	5.68	5.7	5.66
Heating: Outdoor air temp(DB/WB): 24°C/19°C , Water temp(in):26°C ;				
Heating Capacity (kw)	16	21	42	84
Heating Power Input (kw)	2.8	4.25	8.5	16.9
COP	5.7	4.94	4.94	4.97
Heating: Outdoor air temp(DB/WB): 15°C/12°C , Water temp(in):26°C ;				
Heating Capacity (kw)	13.2	18	35	70
Heating Power Input (kw)	2.74	4.15	8.1	16
COP	4.8	4.34	4.32	4.38
Running Current (MAX.) (A)	22	13	26	52
Refrigerant	R32	R410A		
Water Connection	DN50	DN40	DN50	DN65
Water Flow Volume (m ³ /h)	6.9	9.5	19	38
Water Pressure Drop(kpa)	14	17	20	20
Protection Grade	IPX4			
Weight (kg)	70kg	180	350	810
Noise	54dB(A)	60dB(A)	72dB(A)	75dB(A)
Net Dimensions(L×W×H) (mm)	1060*425*658	750*750*1100	1560*850*1100	2000*1000*2070

**DB -(Dry Bulb Temperature)

**WB -(Wet Bulb Temperature)