

INVER-MAX

Swimming Pool Heat Pump



BYC-070|103|136 TA1

T E C H N I C A L D A T A

Model	BYC-070TA1	BYC-103TA1	BYC-136TA1
Power Supply	380~415V/3/50Hz		
Heating Capacity at Air 26°C, Water 26°C, Humidity 80%			
Heating Capacity (kW)	70 ~ 16.5	103 ~ 24.8	136 ~ 32.4
Power Input (kW)	10.03 ~ 1.02	14.80 ~ 1.54	19.46 ~ 2.01
COP	16.11 ~ 6.98	16.09 ~ 6.96	16.15 ~ 6.99
Heating Capacity at Air 15°C, Water 26°C, Humidity 70%			
Heating Capacity (kW)	51 ~ 12.1	76 ~ 18.3	101 ~ 23.9
Power Input (kW)	10.24 ~ 1.6	15.29 ~ 2.42	20.24 ~ 3.15
COP	7.56 ~ 4.98	7.55 ~ 4.97	7.59 ~ 4.99
Cooling Capacity at Air 35°C, Water 27°C			
Cooling Capacity (kW)	38 ~ 9.1	58 ~ 14.1	76 ~ 18.5
Power Input (kW)	10.41 ~ 1.36	15.89 ~ 2.11	20.65 ~ 2.74
EER	6.69 ~ 3.65	6.68 ~ 3.65	6.74 ~ 3.68
Rated Power Input (kW)	10.0	15.0	20.0
Rated Current (A)	18	27	36
Max Power Input (kW)	15.0	22.0	30.0
Max Current (A)	26	38	54
Refrigerant	R32		
Compressor Type	Mitsubishi inverter		
Heat Exchanger	Titanium		
Expansion Valve	Electronic EEV		
Air Flow Direction	Vertical		
Water Flow Volume (m ³ /h)	20	30	40
Water connection (mm)	63	63	75
Working temperature range (°C)	-15 ~ 43		
Heating temperature range (°C)	15 ~ 40		
Cooling temperature range (°C)	8~28		
Noise (dB(A))	≤59	≤62	≤65
Net Weight (kg)	280	420	750
Gross Weight (kg)	320	460	810
Net Dimensions (L*W*H)(mm)	1416*752*1055	1250*1080*1870	2150*1080*2180
Package Dimensions (L*W*H)(mm)	1580*880*1150	1300*1100*1950	2230*1120*2200

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.

Features

- Full inverter, higher COP, better performance
- R32 refrigerant, environmental friendly
- Titanium heat exchanger, corrosion resistance
- Touch-screen controller, easy operation
- WIFI function included
- MODBUS communication
- Heating, cooling & Auto function included

