

# ECO SERIES FULL INVERTER HEAT PUMP

**Swim All Year Round**  
with full inverter heating & cooling technology



HEATS &  
COOLS



COP  
RATING

**11.8**

AUTOMATIC  
DEFROSTING



MITSUBISHI DC  
INVERTER COMPRESSOR



**Neptune**  
for swimming pools

# X-ECO

SCAN FOR  
MORE INFO



## KEY FEATURES FOR ALL MODELS

- ✓ COP of 11.8 - for every 1kW of energy, 11.8kW of heat is produced.
- ✓ Mitsubishi DC inverter compressor.
- ✓ Spiral titanium heat exchanger.
- ✓ Automatic defrosting - designed with a saginomiya 4-way valve, allowing the heat pump to defrost quickly.
- ✓ Quick connect - for heat pump controllers and automation.
- ✓ 2-in-1 heating and cooling modes - heating up to 40°C and cooling down to 12°C.
- ✓ Soft start protection.
- ✓ Built in Wi-Fi - monitor and control your pool's temperature easily.
- ✓ Control your heat pump anywhere, any time with the dedicated mobile app. Available for iOS and Android.



Quality ISO 9001

## PERFORMANCE CONDITIONS

Model	NHE07	NHE09	NHE13	NHE17	NHE21	NHE24
Performance Condition: Air 26°C, Water 26°C, Humidity 80%						
Heating Capacity (kW)	7.0	9.0	12.5	16.0	20.0	24.0
COP	10.3	10.6	11.6	11.2	11.8	11.8
Performance Condition: Air 15°C, Water 26°C, Humidity 70%						
Heating Capacity (kW)	5.0	6.3	8.5	11.0	14.0	16.0
COP	6.0	6.1	6.3	6.4	6.5	6.5
Performance Condition: Air 35°C, Water 28°C, Humidity 80%						
Cooling Capacity (kW)	2.5	3.1	4.6	5.6	7.8	9.5

## TECHNICAL DATA

Model	NHE07	NHE09	NHE13	NHE17	NHE21	NHE24
Operating Range	0°C ~ 43°C					
Temperature Setting	Heating 18°C ~ 40°C			Cooling 12°C ~ 30°C		
Compressor	Mitsubishi DC Inverter Compressor					
Heat Exchanger	Spiral Titanium Heat Exchanger					
Casing	ABS					
Sound Level at 1m dB(A)	38.8 ~ 50.2	40.6 ~ 52.5	42.9 ~ 53.0	45.2 ~ 56.3	45.3 ~ 57.1	45.8 ~ 57.8
Sound Level at 10m dB(A)	18.8 ~ 30.2	20.6 ~ 32.5	22.9 ~ 33.0	25.2 ~ 36.3	25.3 ~ 37.1	25.8 ~ 37.8
Power Supply	10A Plug		15A Plug	230V/1Ph/50Hz		
Rated Input Power at air 15°C (kW)	0.29 ~ 1.04	0.36 ~ 1.40	0.47 ~ 1.78	0.59 ~ 2.34	0.75 ~ 3.04	0.86 ~ 3.48
Rated Input Current at air 15°C (A)	1.26 ~ 4.52	1.57 ~ 6.09	2.02 ~ 7.74	2.52 ~ 10.17	3.26 ~ 13.21	3.74 ~ 15.13
Max Input Current (A)	6.5	8.0	12.5	17.0	19.5	20.5
Water Pipe Diameter (mm)	40					
Pool Pump Water Flow (L/min)	33 ~ 67	50 ~ 67	67 ~ 100	108 ~ 142	133 ~ 167	167 ~ 200
Net Dimensions LxWxH (mm)	872x349x654	872x349x654	872x349x654	962x349x654	962x349x754	961x420x758
Net Weight (kg)	42	46	49	60	58	68



AVAILABLE FROM YOUR  
LOCAL POOL PRO STOCKIST



\*Warranty T&C's apply.