

## Heat Pumps - 90,000 BTU Inverter Pool Heat Pump, 24,000 Gal

Item ECO900



### PRODUCT DESCRIPTION

Extend the swimming season with Intermatic compact inverter technology heat pumps – the most efficient way to heat your above-ground pool. At startup, the ECO Inverter will run at full capacity to rapidly heat your pool. Once the heater reaches the desired temperature, it will automatically begin to reduce its speed and maintain the water temperature, saving money in energy costs. It will continue to maintain the water temperature at a reduced capacity, making adjustments on its own as needed.

### FEATURES

- ▶ The rifled titanium tube heat exchanger increases the surface area by 30% and stands up to the pools chemical products
- ▶ Includes built-in Soft Start technology. When the heat pump turns on, the current gradually increases to the rated running current in under 2 minutes, limiting the large initial inrush current often associated with motor start-up. This avoids putting extra demand on home electrical systems and appliances, compared to traditional heat pumps, which start at high currents and have higher energy consumption.
- ▶ Small footprint - Ideal for compact space
- ▶ Energy-efficient inverter compressor technology
- ▶ AHRI Certified for performance
- ▶ C.O.P. level as high as 13.6 when the Heat Pump is in maintain mode.
- ▶ Twin rotary DC inverter compressor reduces vibration for super quiet operation
- ▶ 40% quieter than standard Heat Pump scroll compressor technology. Sound level as low as 36dB when maintaining pool temperature.
- ▶ Durable UV-resistant condenser unit design
- ▶ Fadeproof thermoplastic housing protects from rust and impact damage

### APPLICATIONS

- ▶ Above Ground Pools

### TECHNICAL DATA

#### General

Model Number	ECO900
Description	90,000 BTU Inverter Pool Heat Pump, 24,000 Gal
UPC Code	816965012565
Brand	Intermatic
Country of Origin (Intermatic)	CHINA
Warranty Continental US (Labor)	1-Year limited
Warranty Continental US (Compressor)	2-Year limited
Warranty Continental US (Heat Exchanger)	5-Year limited
Warranty Continental US (Parts)	2-Year limited
Warranty FL (Compressor)	2-Year limited
Warranty FL (Heat Exchanger)	5-Year limited
Warranty FL (Labor)	1-Year limited
Warranty FL (Parts)	2-Year limited

#### Dimensions

Product Dimensions (H x W x D) in	15.5 x 43 x 38 in
-----------------------------------	-------------------

#### Material Specifications

Color	Black
-------	-------

### Electrical Specifications

Input Voltage Range(s)	208-230 VAC
Operating Current	26 A
Hz	60
Recommended Circuit Breaker	30 A

### Packaging

Unit Carton Dimensions (H x W x L) in	39.4 x 16.9 x 44.5 in
---------------------------------------	-----------------------

### Operating Specifications

Compressor Type	Inverter
Heat Exchanger	Titanium
Ideal for Pools Up to (Gallons)	24,000
Recommended Water Flow GPM	33-50
Remote Compatibility	2-Wire
Temperature Control	Digital
Cooling Mode Option	No

### Environmental Specifications

Refrigerant	R410A
-------------	-------

### Standards and Certifications

Other Certifications and Compatibilities	AHRI 1160; cETLus; Green Energy +
California Proposition 65	Lead
RoHS Certification	N/A
BTU (AHRI 1160 - 50F air 80F water 63% RH)	43,000
BTU (AHRI 1160 - 50F air 80F water 63% RH) COP	4.3
BTU (AHRI 1160 - 80F air 80F water 63% RH)	85,000
BTU (AHRI 1160 - 80F air 80F water 63% RH) COP	5.7
BTU (AHRI 1160 - 80F air 80F water 80% RH)	90,000
BTU (AHRI 1160 - 80F air 80F water 80% RH) COP	6

---

## ACCESSORIES

GRPHEECO900  
Heat Exchanger