

Heat Pumps - 127,000 BTU Pool-Spa Heat Pump, 35,000 Gal

Item PRO1400AHN



PRODUCT DESCRIPTION

Extend the swimming pool and spa season with Intermatic AHN and Traditional Series Heat Pumps. Intermatic heat pumps offer high-efficiency ratings and are designed for long-lasting performance. The series features Optimizer self-diagnostics, which alerts users when hydraulic levels are created that dramatically increase the cost of operation of the heat pump. Key features include titanium heat exchangers, silent scroll compressor technology, rugged UV-resistant housings, PVC slip fittings for simple installation, and an easy-to-use digital thermostat.

FEATURES

- ▶ Includes vexed commercial-grade, corrosion-resistant titanium heat exchangers
- ▶ Built-in diagnostic indicator light alerts users to abnormal operating conditions, extending the unit's service life while reducing operating costs and service calls
- ▶ Energy efficient heat pump technology. AHRI Certified for performance.
- ▶ High temperature lock out feature.
- ▶ Reliable long-lasting Copeland Scroll Compressor
- ▶ Automation ready – compatible with remote system controllers.
- ▶ Built-in quiet fan technology promotes low operating noise
- ▶ Durable UV-resistant condenser unit design.
- ▶ Easy-to-use digital touchscreen control.

APPLICATIONS

- ▶ Above Ground and In-Ground Pool and Spa

TECHNICAL DATA

General

| | |
|--|--|
| Model Number | PRO1400AHN |
| Description | 127,000 BTU Pool-Spa Heat Pump, 35,000 Gal |
| UPC Code | 816965011674 |
| Brand | Intermatic |
| Country of Origin (Intermatic) | U.S.A. |
| Warranty Continental US (Labor) | 1-Year limited |
| Warranty Continental US (Compressor) | 5-Year limited |
| Warranty Continental US (Heat Exchanger) | Lifetime limited |
| Warranty Continental US (Parts) | 2-Year limited |
| Warranty FL (Compressor) | 5-Year limited |
| Warranty FL (Heat Exchanger) | Lifetime limited |
| Warranty FL (Labor) | 2-Year limited |
| Warranty FL (Parts) | 7-Year limited |

Dimensions

| | |
|-----------------------------------|-----------------|
| Product Dimensions (H x W x D) in | 43 x 35 x 35 in |
|-----------------------------------|-----------------|

Material Specifications

| | |
|-------|-------|
| Color | Black |
|-------|-------|

Electrical Specifications

| | |
|------------------------|-------------|
| Input Voltage Range(s) | 208-230 VAC |
| Operating Current | 29 A |

| | |
|-----------------------------|------|
| Hz | 60 |
| Recommended Circuit Breaker | 50 A |

Packaging

| | |
|---------------------------------------|---------------------|
| Unit Carton Dimensions (H x W x L) in | 45.5 x 45.5 x 38 in |
|---------------------------------------|---------------------|

Operating Specifications

| | |
|---------------------------------|------------|
| Compressor Type | Scroll |
| Heat Exchanger | Titanium |
| Ideal for Pools Up to (Gallons) | 35,000 |
| Min GPM (Gallons per minute) | 25 |
| Max GPM (Gallons per minute) | 80 |
| Recommended Water Flow GPM | 45-60 |
| Remote Compatibility | 2 & 3-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) | 79,000 |
| BTU (AHRI 1160 - 50F air 80F water 63% RH) COP | 4 |
| BTU (AHRI 1160 - 80F air 80F water 63% RH) | 118,000 |
| BTU (AHRI 1160 - 80F air 80F water 63% RH) COP | 5.3 |
| BTU (AHRI 1160 - 80F air 80F water 80% RH) | 127,000 |
| BTU (AHRI 1160 - 80F air 80F water 80% RH) COP | 5.8 |

ACCESSORIES



GRPBLANKEXTCONTBRDASBLY
Blank AHN Control Board Assembly

GRPCDT
AHN and Traditional Heat Pump Control
Board Assembly Touch Display

GRP8AHHE
Heat Exchanger - 800 Series