

AHSC-140

AIR COOLED ELECTRIC HEAT SYSTEM & DEHUMIDIFICATION

**Simple design, duct connection type!
 Optimized design for external environment !!**

Approved technology with 30 years experience in the Market!
 Airrex Heatpump 12-Ton 480V~60Hz,3Ph



Airrex heatpump operate in air temperatures from 68°F to 113°F for cool mode and 80.6°F for Heat model. These heatpump utilize eco-friendly 410A refrigerant.

Airrex heatpump may require a fresh air supply for proper operation. Includes removable, washable air filters for easy maintenance. Thermostatically protected compressor includes high and low pressure warnings. Moves easily on swivel casters (8"4 locking). 145,000BTU Cooling and 100,000BTU Heating feature 16" Supply duct and 16" Return duct and 20" diameter top warm air discharge.

Key Features



Large space air conditioner



Automatic temperature control



Concentrated cooling



Optimization of cooling capacity

Performance improvements

Large capacity FAN to outdoor unit gets optimised performance



Outdoor installation

Installed in an external space Air circulation system, pleasant and cool It creates an environment.



Simple structure

User friendly, optimized, Easy to use, Easy after-sales service.



Digital Controller

OFF timer/Temperature control/Remote control Self-diagnosis function



Built-in exhaust fan

Built-in exhaust fan design adapted.



Portable air conditioner

Use urethane wheels With convenient lockable wheels



AHSC-140 Specifications



| Items | Unit | AHSC-140 |
|---------------------------------------|-------|---|
| Cooling & Heating capacity | BTU/h | 145,000 (COLD) / 100,000 (HEAT) |
| Power Supply | Volts | 480Vac 60Hz 3Ph |
| Size (WXDXH) | inch. | 33,9 X 72,8 X 66,2 |
| Weight | lbs | 1,236 |
| Current Consumption (AMPS) | A | 31 (COLD) / 43 (HEAT) |
| Circuit Breaker Size (AMPS) | A | 50 |
| Rated Power Consumption | kW | 23 for Cooling and Heating |
| Compressor Input | kW | 12.3 |
| Air Flow (CMP,High/Low)Evaporator | CFM | 3,530 |
| Air Flow(CMP,High/Low)Condenser | CFM | 7,000 |
| Motor Input | kW | 5,75 |
| Air Filter | - | Vinyl Chloride |
| Nema Plug | - | Designed for hardwire |
| Safety Device | | <ul style="list-style-type: none"> • High/Low Pressure Switch • Low pressure switch • Fan Motor Protection • Thermostat Protector for Compressor • 3min, Delay Timer |
| Static Pressure | psi | 0,071 |
| Power Cord | type | Terminal type(Optional) |
| Power Cord Length | ft | Terminal type(Optional) |
| Decibel (Hi/Low with Duct) | db | 72 |
| Exhaust Size | inch | 16"(Supply),16"(Return) |
| Refrigerant | lbs | R-410A (11,7) |
| Operating Conditions | °F | 65°F DB 60%RH~113°F DB 40%RH (COLD) / 50°F DB 70%RH~81°F DB 50%RH (HEAT) |
| Maximum Duct Length for cold and warm | ft | 65 (COLD), 120 (HEAT) |
| Condensate pump | - | Free Flow |
| Dehumidification in gallon per day | - | 16.5(gal/day) / 89.6°F 80% (MAX.) ~ 11.5(gal/day) / 80.6°F 60% (AHAM) |

※ Designs and specifications of products are subject to change without prior notice for the improvements. The colors of products may be different due to the printing process.

Ideal Applications for Airrex Portable Air Conditioner



Industrial Sites High Temperature work sites, Car manufacturing plants, Ship building yards and steel mills

Repair Shops Car repair shops, Aircraft workshops, Farm machinery workshops, Gas stations & parking facilities

Heat Generating Equipment Server rooms and machine rooms

Leisure / Outdoor Event Venues, Farm & Livestock Ranges