

# HVAC RNTL

## 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"> <li>• High/Low Pressure Switch</li> <li>• Low pressure switch</li> <li>• Fan Motor Protection</li> <li>• Thermostat Protector for Compressor</li> <li>• 3min, Delay Timer</li> </ul>
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**