

# AHSC-42

PORTABLE HEAT PUMP SYSTEM

## HVAC RNTL

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

Approved technology with 30 years  
experience in the Market!

Heatpump 3.5-Ton 220V~60Hz,1Ph



This unit will operate in air temperatures from 65\* to 113°F for cool mode  
and 50\* to 81°F for heat mode. These heatpumps utilize eco-friendly 410A  
refrigerant.

Includes removable, washable air filters for easy maintenance  
Thermostatically protected compressor includes high and low pressure  
warnings. Moves easily on swivel casters (4 locking). 42,000BTU Cooling  
and 47,000BTU Heating feature 12" Supply and 16" Return duct and 20" 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-42 Specifications



Items	Unit	AHSC-42
Cooling & Heating capacity	BTU/h	42,000 (COLD) / 47,000 (HEAT)
Power Supply	Volts	220Vac 60Hz 1Ph
Size (WDXH)	inch.	29.1 X 57.1 X 47.7
Weight	lbs	450
Current Consumption (AMPS)	A	20.8 (COLD) / 20.6 (HEAT)
Circuit Breaker Size (AMPS)	A	30
Rated Power Consumption	kW	4.5 for Cooling and Heating
Compressor Input	kW	3.9
Air Flow (CMP,High/Low)Evaporator	CFM	1,290
Air Flow(CMP,High/Low)Condenser	CFM	2,580
Motor Input	kW	1.1
Air Filter	-	Aluminum Filter
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	65
Exhaust Size	inch	16"(Supply),12"(Return)
Refrigerant	lbs	R-410A (6.6)
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), 30(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 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**