



AIRREX PORTABLE AIR CONDITIONER WITH ELECTRIC HEAT & DEHUMIDIFICATION

# AHSC-140R

460 V~, 60 Hz, 3 Ph

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

Approved technology with 39 years experience in the Market!

Airrex AC/Electric heat 12-Ton 460 V~, 60 Hz 3 Ph

Airrex Portable air conditioner with electric heat is operated in air temperatures from 65°F to 113°F for cool mode, dehumidification from 86.16 to 124.8(gal/day) and 1°F to 81°F for heat mode. AHSC-140R utilizes eco-friendly 454B refrigerant.

Airrex AHSC-140P may require a fresh air supply for proper operation. Includes 2" pleated paper filters. Thermostatically protected compressor includes high and low pressure warnings. Moves easily on swivel casters(4 locking). 145,000BTU cooling and 100,000BTU heating feature 16" supply duct and 16" return duct and 20" diameter rear warm air discharge.

1 year warranty and 3 years on compressor.



## Strong Points



Large space air conditioner



Automatic temperature control



Concentrated cooling



Movable & Lockable



Optimization of cooling capacity



Automatic



Time Setting



Certification



### Performance improvements

Large capacity FAN to outdoor unit gets optimised performance



### Outdoor installation

Cool and heat air circulation system for indoor and outdoor use.



### 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  
(4) 8" Swivel casters  
(4) Locking casters

**PORTABLE CLIMATE  
SOLUTIONS BY AIRREX**



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# AHSC-140R 460/3 Specifications



| SPECIFICATIONS             |                     |                               |         | Air-Cooled with electric heat                        |               |                                     |                                             |
|----------------------------|---------------------|-------------------------------|---------|------------------------------------------------------|---------------|-------------------------------------|---------------------------------------------|
|                            |                     |                               |         | AHSC-140R 460/3                                      |               |                                     |                                             |
| Capacity Rating Condition  | Cooling             | (35°C/95°F 40%)               | Btu/h   | 145,000 Btu/h                                        | Fans          | Fan Type                            | - Centrifugal                               |
|                            | Heating             | (21°C/70°F 50%)               | Btu/h   | 100,000 Btu/h                                        |               | Air Volume (High/Low)               | CFM 7,000                                   |
|                            | Dehumidification    | Max. (32°C/89°F 80%)          | gal/day | 192                                                  |               | Max. External Static Pressure       | inchH2O 1.2                                 |
|                            |                     | Nominal (27°C/80°F 60%)       | gal/day | 93                                                   |               | Max. Equivalent Duct Length         | ft 120                                      |
| Electrical Characteristics | Voltage             | 60 Hz                         | Volts   | 3 Phase, 460 V~                                      | Sound Level   | Type / Size                         | inch Duct / 20" (0500) x1                   |
|                            | Power Consumption   | Cooling                       | kW      | 20.6                                                 |               | With Exhaust Duct High / Low        | dB(A) 77                                    |
|                            |                     | Heating                       | kW      | 31.7                                                 | Air Filter    | Without Exhaust Duct High / Low     | dB(A) 81                                    |
|                            | Current             | Cooling                       | A       | 31                                                   |               | Type                                | Indoor - Paper filter (inch 20 x 24 x 2) x2 |
|                            |                     | Heating                       | A       | 40                                                   | Condensate    | Outdoor                             | -                                           |
|                            | Fuse Size           |                               | A       | 50                                                   |               | Tank Capacity                       | gal -                                       |
|                            | Min. - Max. Voltage |                               | V       | 391 - 506 V~                                         | Refrigerant   | Auto Pump                           | - Included                                  |
| Power Cord                 | NEMA Plug           |                               | -       | Cam Lock                                             |               | Type                                | - R-454B (9.5 lbs)                          |
|                            | Gauge               |                               | -       | -                                                    | Weight        | Net Weight                          | lbs 1,424                                   |
|                            | Length              |                               | ft      | -                                                    | Dimensions    | W x D x H                           | inch 35 x 77 x 69                           |
| Fans                       | Indoor              | Fan Type                      | -       | Centrifugal                                          |               | Min. - Max. Cooling                 | °F 65~113 (18~45°C)                         |
|                            |                     | Cooling Air Volume (High/Low) | CFM     | 4,800                                                |               | Heating                             | °F 1~81 (-17~27°C)                          |
|                            |                     | Heating Air Volume            | CFM     | 4,800                                                |               | Dehumidification                    | °F 59~113 (15~45°C)                         |
|                            |                     | Dehu Air Volume               | CFM     | 4,800                                                | Safety Device | High Pressure Switch                | ○                                           |
|                            |                     | Max. External Static Pressure | inchH2O | 1.2                                                  |               | Low Pressure Switch                 | ○                                           |
|                            |                     | Max. Equivalent Duct Length   | ft      | 100                                                  |               | Compressor 3min. Delay Timer        | ○                                           |
|                            |                     | Type / Size                   | inch    | Supply / 16" (3/400) x 2<br>Return / 16" (3/400) x 2 |               | Thermostat Protector for Compressor | ○                                           |
|                            |                     |                               |         |                                                      |               | Fan Motor Protection                | ○                                           |
|                            |                     |                               |         |                                                      |               | Automatic Full Tank Shut-Off        | ○                                           |
|                            |                     |                               |         |                                                      |               |                                     |                                             |

※ 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**

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