

ADRK-12 "RK" Series

1.13 Ton (13,600 Btuh) 230V, 50 Hz

Features

✓ **Steel Cabinet**

Galvanized Coated Sheet metal cabinet
1-2 mm Thickness.

✓ **Cabinet Finish**

The cabinet is finished with a baked Polyester powder coating which provides high UV resistance and stands over 1000 hours of salt spray test (according to ASTM B117).

✓ **R-134A Refrigerant**

Designed with R134a (HFC) non-ozone depleting refrigerant.

✓ **Condenser Fan Cycling & High-Pressure Switch**

Provides protection to the compressor during high pressures and prevent low pressures due to cold ambient sessions.

✓ **Evaporator & Condenser coils**

Aluminum finned copper coils, Rifled tubing and enhanced louvered fin for maximum heat transfer.

✓ **2 Cooling stages (2 compressors)**

The unit has 2 separate refrigerant cycles each contributes 50% to the total cooling capacity. Each cycle is controlled by its own control loop.

✓ **Liquid Line Filter Drier**

Protect refrigerant system against moisture and Dirt.

✓ **Compressor Crankcase Heater**

For better protection to the compressor due to possible refrigerant migration to compressor crankcase in off-cycle during low ambient temperatures.

✓ **Remote Access (Optional)**

The unit may be remotely access through RS-485, Modbus-RTU protocol where different type of parameters and commands are available to change and view such as set-points, alarms, resetting etc.



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Specifications

Parameter	Units	Value	Deviation
Cooling Capacity ⁽²⁾	Watt (Btuh)	3970 (13,600)	
Air- Flow (Internal Loop)	m^3/hr (CFM)	880 (517)	
Refrigerant	[]	R134a	
Rated Voltage	V	230	±10%
Frequency	Hz	50	
Power Consumption cooling	Watt	1,308	
Dimensions (Height, Width, Depth)	mm (Inch)	388 (15.3), 1167(45.9),707(27.8)	
Weight	kg (lb.)	117 (258)	

Notes:

1. All specifications are based on a Preliminary Design and evaluation values and are subject to change after testing the real unit.
2. Rating conditions: **Indoor** 35° (95F), **Outdoor** 35°(95F)

Air Scheme

