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Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands — including Club Car[®], Ingersoll Rand[®], Thermo King[®] and Trane[®] — work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$13 billion global business committed to a world of sustainable progress and enduring results.



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We are committed to using environmentally conscious print practices.

THERMOKING

Vehicle-powered Unit RV-Series

Customized Design for Light and Medium Refrigerated Truck







Acres 4



RV-Series

RV, as the acronym of Rapid cooling/Reliable/Revolution Vehicle-powered, is specially designed for transport refrigeration in the range of light and medium distribution vehicles.

This all new RV platform is equipped with an optimized refrigeration system, robust TK compressor, and other proven components, which ensures high cooling capacity, quick pull down, precise temperature control, high reliability, easy use and low maintenance cost.

Product Models

- RV-200 (Roof & Nose-mounted)
- RV-300 (Roof & Nose-mounted)
- RV-380
- RV-580





Key Features

- Greater Capacity and Higher Efficiency
- Larger condenser/evaporator coil for quicker heat exchange
- Fast pre-cooling for higher efficiency
- Greater cooling capacity for better load protection

• Compact Design and Flexible Installation

- Patent design (RV-380 patent no. ZL201530106353.5)
- Light and compact for easy installation, esp. for light and mini vehicle
- Roof-mounted & nose-mounted for option (RV-200/RV-300)

• Higher Reliability for More Uptime

- Long-life (20,000 hrs) and one-piece fans
- TK robust compressor
- New electrical control system with high reliability

• Easy to Use and Maintenance

- Improved electrical system
- Less refrigerant charge to care environment
- Removable relay design for better maintenance





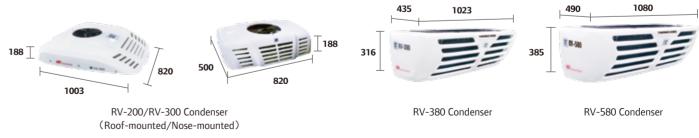


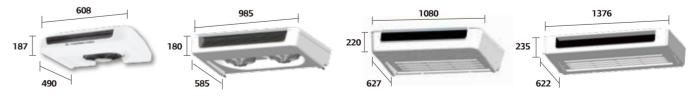
Specifications

| Model | | RV-200 | | RV-300 | RV-380 | RV-580 |
|--|----------------|---|---------------------------|---|--------|--------|
| Temp. Range | | -25°C~+30°C | | | | |
| Refrigerant | | R-404A | | | | |
| Charge (kg) | | 1.10 (TK08 compressor) | 1.15 (TK15 compressor) | 1.2 | 1.8 | 2.5 |
| Compressor | | | | | | |
| Model | | TK08 | TK15 | TK15 | TK16 | ТК16 |
| Number of Cylinder | | 6 | 6 | 6 | 6 | 6 |
| Displacement (cm ³) | | 82 | 146 | 146 | 163 | 163 |
| Cooling Capacity (W) | | A.T.P. U.N. Standard @30°C (Ambient) | | | | |
| Engine Power | 0°C | 2,100 | 2,300 | 3,500 | 4,050 | 5,050 |
| | -20°C | 820 | 1,200 | 1,850 | 2,300 | 2,550 |
| Cooling Capacity (W) | | A.R.I. U.S. Standard @38 C (Ambient) | | | | |
| Engine Power | 2°C | 2,000 | 2,200 | 3,300 | 3,800 | 4,900 |
| | -18°C | 800 | 1,150 | 1,740 | 2,200 | 2,520 |
| Evaporator blower per | formance | | | | | |
| Flow rate (@ 0 static pressure, m ³ /h) | | 700 | | 1,500 | 1,500 | 2,500 |
| Velocity (m/s) | | 3.0 | | 3.3 | 3.3 | 3.0 |
| Total current consump | tion on the ro | ad (A) | | | | |
| 12 VDC | | 30 | | 36 | 36 | 44 |
| 24 VDC | | 15 | | 18 | 18 | 22 |
| Weight (kg, approxima | ite) | | | | | |
| Condenser | | 24 (roof-mounted), 23 (nose-mounted) | | 24 (roof-mounted), 23 (nose-mounted) | 30 | 35 |
| Evaporator | | 9 | | 15 | 18 | 30 |
| Compressor | | 4.1 (TK08), 4.3 (TK15) | | 4.3 | 4.7 | 4.7 |

Note: Refrigerant charge listed is for reference. Vehicle and piping configurations determine correct charge weights.

Dimensions (mm)





RV-200 Evaporator

RV-300 Evaporator

RV-380 Evaporator

RV-580 Evaporator