



Vehicle-powered Unit RV-Series

Customized Design for Light and Medium Refrigerated Truck



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RV-Series

RV, as the acronym of **R**apid cooling/**R**eliable/**R**evolution **V**ehicle-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
- **Higher Reliability for More Uptime**
 - Long-life (20,000 hrs) and one-piece fans
 - TK robust compressor
 - New electrical control system with high reliability
- **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)
- **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	TK16	
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
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 performance						
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 consumption on the road (A)						
12 VDC	30		36	36	44	
24 VDC	15		18	18	22	
Weight (kg, approximate)						
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)

