



The New Vehicle-powered Unit SV-Series

Extraordinary Performance and High Reliability



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SV-Series

SV, as the acronym of Supreme Vehicle-powered, is designed for refrigerated transportation in the range of Light, medium and heavy vehicles. This all new SV platform is equipped with an optimized refrigeration system, robust TK compressor, and many other proven components, to ensure the state-of-the-art quality and reliability. Meanwhile, superior cooling capacity protects perishable cargo, reducing the concern of load loss.

Key Features

● High performance to protect perishable products

- High cooling capacity, quick pull down, accurate temperature control
- High reliability, low maintenance cost

● New condenser platform

- Light and compact, energy saving
- Standard part, share same platform, decrease inventory cost
- Improved appearance with patented design
(Application number: 201230487134.2.)

● Improved evaporator

- Long life integrated fans
- Optimized structure design and condensing water drain
- Improved installation and service
- Improved appearance with patented design
(Application number: 201230490703.9.)

● Thermo King robust compressor

- High reliability, reduce failure rate
- Low life cycle cost



Specifications

Specifications		SV-400	SV-600	SV-800
Temperature range		-30°C~+30°C	-30°C~+30°C	-30°C~+30°C
Refrigerant (Environmental responsible)		R-404A		
Charge ¹		1.8kg	2.5kg	2.6kg
Cooling capacity (W)		A.T.P. U.N. Standard @30°C(Ambient)		
Engine power	0°C	4,360	5,300	7,000
	-20°C	2,100	2,720	3,700
Electric standby	0°C	3,400	4,030	Coming soon
	-20°C	1,720	2,460	Coming soon
Compressor				
Model		TK16	TK21	TK21
Number of Cylinder		6	10	10
Displacement (cm ³)		162.9	214.7	214.7
Evaporator blower performance				
Flow rate(@0static pressure) (m ³ /h)		1,500	2,500	3,000
Velocity (m/s)		3.3	3	3.5
Total current consumption on the road (A)				
12 VDC		40	44	—
24 VDC		20	22	29
Weight (kg, approximate)				
Condenser		35	35	50
Evaporator		19	30	31
Compressor		4.7	5.1	5.1
Electric standby		57	57	Coming soon
Dimension(mm)				
Condenser		1,082 (L) *490 (W) *385 (H)	1,082 (L) *490 (W) *385 (H)	1,300 (L) * 540 (W) *465 (H)
Evaporator		1098 (L) *666 (W) *149 (H)	1376 (L) *622 (W) *235 (H)	1,376 (L) *622 (W) *253 (H)

Note: Refrigerant charge here is for reference, which may be different according to field condition.

Dimensions in millimetres

