



The New Vehicle-powered Unit SV-Series

Extraordinary Performance and High Reliability





SV-Series Description

SV, as the acronym of Supreme Vehicle-powered, is designed for refrigerated transportation in the range of light and medium size 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.

Product models

- SV-400
- SV-600



Key features of SV-Series

● 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



SV-Series Specifications

Specifications		SV-400	SV-600
Temperature range		-30°C~+30°C	-30°C~+30°C
Refrigerant (Environmental responsible)		R-404A	
Charge ¹		1.8kg	2.5kg
Cooling capacity (W)		A.T.P. U.N. Standard @30°C(Ambient)	
Engine power	0°C	4,360	5,300
	-20°C	2,100	2,720
Electric standby	0°C	3400	4026
	-20°C	1714	2460
Compressor			
Model		TK16	TK21
Number of Cylinder		6	10
Displacement (cm ³)		162.9	214.7
Evaporator blower performance			
Flow rate(@0static pressure) (m ³ /h)		1,500	2,500
Velocity (m/s)		3.3	3
Total current consumption on the road (A)			
12 VDC		40	44
24 VDC		20	22
Weight (kg, approximate)			
Condenser		35	35
Evaporator		19	30
Compressor		4.7	5.1
Electric standby		57	57
Dimension(mm)			
Condenser		490 (W) *1,082 (L) *385 (H)	490 (W) *1,082 (L) *385 (H)
Evaporator		595 (W) *970 (L) *180 (H)	622 (W) *1,376 (L) *230 (H)

Note: Charge here is for your reference. The exact data depends on actual field conditions.

Thermok King Global Dealer Service Network





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