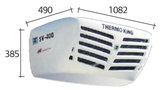
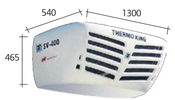
Specifications

Specifications	SV-400 MAX30 Spectrum		SV-600 MAX30 Spectrum		SV-800 MAX30 Spectrum		
Temp.Range	-25°C~+30°C						
Refrigerant	R-404A						
Charge(kg)	2.5		3.2	2.9	3.4		
Compressor							
Model	TK16		TK21		TK21		
Number of Cylinder	6		10		10		
Displacement(cm³)	163		215		215		
Cooling capacity(W)	A.T.P. U.N. Standard @30°C (Ambient),Compressor 2,400 RPM (W)						
Total Cooling Capacity	2 X ME200	ME300+ME200	ME400 + ME300	2 X ME300	ME600 + ME300 or 2 X ME400		
0°C/30°C	4,500	5,200	6,300	6,000	7,500		
-20°C/30°C	2,400	2,550	3,500	3,300	4,000		
Evaporator blower performance	ME200	ME300	ME400	ME300	ME600	ME400	ME300
Individual evaporator cooling capacity(W)							
0°C/30°C	3,100	4,200	5,000	4,300	6,650	5,700	4,400
-20°C/30°C	1,800	2,200	2,600	2,500	3,750	3,100	2,390
Flow rate(m³/h)(@0 static pressure)	700	1,500	1,500	1,500	2,500	1,500	1,500
Velocity(m/s)	3	3.3	3.3	3.3	3.0	3.3	3.3
Weight (kg,approximate)							
Evaporator	12	16	20	16	31	20	16
Condenser	44		44		55		
Compressor	4.7		5.1		5.1		
Total current consumption on the road							
12VDC(A)	40	47	54		———		
24VDC(A)	20	24	27		ME600 + ME300		36
					2 X ME400		32

Dimensions(mm)

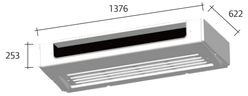


SV-400/SV-600 Spectrum Condenser

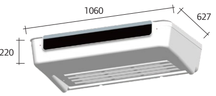


SV-800 Spectrum Condenser

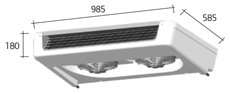
ME200 Evaporator



ME600 Evaporator



ME400 Evaporator



ME300 Evaporator

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THERMO KING

Vehicle-powered Unit SV-Series

Extraordinary Performance and High Reliability

SV-Series Single Temperature

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 (Patent 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 (Patent number: 201230490703.9)

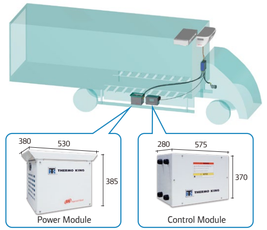
● Thermo King robust compressor

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

● Higher efficiency & reliable electric standby

- **Larger Capacity**: **90%** of Engine drive performance, leading position in the industry
- **Higher Efficiency**: Full electric compressor, **30%** higher efficiency, less leakage
- **Safe and Reliable**: More protection for compressor & controller
- **Smart Control**: Function of failure feedback for power phase & high/low pressure

SV-400/SV-600 Integrated Electric Standby



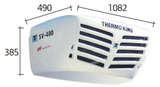
SV-700/SV-800/SV-1000 Electric Standby

Specifications

Specifications		SV-400	SV-600		SV-700	SV-800	SV-1000
Temp.Range		-25°C~+30°C					
Refrigerant		R-404A					
Charge (kg)		1.8	2.5		2.5	2.6	2.6
Compressor							
Model		TK16	TK16	TK21	TK21	TK21	TK31
Number of Cylinder		6	6	10	10	10	10
Displacement (cm^3)		163	163	215	215	215	313
Cooling capacity (W)		A.T.P. U.N. Standard @30°C (Ambient)					
Engine power	0°C	4,360	5,060	5,500	6,700	7,500	8,500
	-20°C	2,350	2,620	2,750	3,200	4,100	4,550
Electric standby (3phase)	0°C	3,800	4,720		5,780	6,570	6,570
	-20°C	1,860	2,460		2,900	3,400	3,400
Electric standby (1phase)	0°C	3,300	4,100		—	—	—
	-20°C	1,500	2,100		—	—	—
Cooling capacity (W)		A.R.I. U.S. Standard @38°C (Ambient)					
Engine power	2°C	4,140	4,900	5,225	6,365	7,300	8,080
	-18°C	2,250	2,570	2,670	3,040	4,000	4,320
Electric standby (3phase)	2°C	3,500	4,350		5,490	6,200	6,200
	-18°C	1,780	2,410		2,760	3,260	3,260
Electric standby (1phase)	2°C	3,080	3,700		—	—	—
	-18°C	1,300	2,100		—	—	—
Evaporator blower performance							
Flow rate (m^3/h) (@0 static pressure)		1500	2500		2500	3000	3000
Velocity (m/s)		3.3	3		3	3.5	3.5
Electric standby							
Compressor		semi-hermetic (3phase:151CC,1phase:129CC)	semi-hermetic (3phase:151CC,1phase:129CC)		semi-hermetic (206CC)	semi-hermetic (206CC)	semi-hermetic (206CC)
Voltage/Phase/ Frequency		380V/3PH/50Hz	380V/3PH/50Hz		380V/3PH/50Hz 230V/3PH/60Hz	380V/3PH/50Hz 230V/3PH/60Hz	380V/3PH/50Hz 230V/3PH/60Hz
		230V/3PH/60Hz	230V/3PH/60Hz				
		220V/1PH/50Hz	220V/1PH/50Hz				
Total current consumption on the road (A)							
12 VDC		40	44		—	—	—
24 VDC		20	22		25	29	29
Weight (kg, approximate)							
Condenser		35 (130*)	35 (130*)		50	50	50
Evaporator		18	30		30	31	31
Compressor		4.7	4.7 (TK16), 5.1 (TK21)		5.1	5.1	10.7
Electric standby		—	—		109	109	109

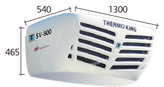
Note: Refrigerant charge listed is for reference. Vehicle and piping configurations determine correct charge weights.
(*weight of SV-400/SV-600 integrated electric standby)

Dimensions(mm)

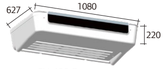


SV-400/SV-600 Condenser

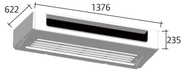
SV-400/SV-600 Condenser (Electric Standby)



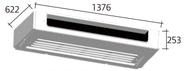
SV-700/SV-800/SV-1000 Condenser



SV-400 Evaporator



SV-600/SV-700 Evaporator



SV-800/SV-1000 Evaporator

SV-Series Spectrum

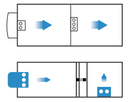
SV-Series Spectrum is designed to meet all the requirements of the two-temperature distribution sector. The SV-Series Spectrum range provides maximum flexibility to switch between fresh, frozen temperatures in each compartment. Such adaptability reduces the number of vehicles needed in a fleet. By dispensing with the need for an independent diesel engine, they provide a low noise, low emissions solution, with minimal environmental impact. As a result, they are ideally suited to urban distribution.

Key Features

Lower transport cost due to flexibility for fresh,frozen applications

Higher transport efficiency and less vehicles needed in a fleet

Quick pull down and precise temperature control



Flexible zone arrange for widely use

Standard parts, share same platform, decrease inventory cost

Easy installation for cost saving

Smart control, user friendly

- One HMI to control & display dual zones temperature
- Precise temperature control with 0.1 ℃ display
- CAN Communication
- Priority mode function