



KV-Series

Thermo King's KV-series is a perfect design vehicle-powered unit with ultra slim micro-channel condenser and evaporator, which delivers the triple benefits of enabling the units to be smaller and lighter, providing high efficiency and more loading space.

The KV-Series range of models is configured to provide superior cooling performance for mini, light and midium refrigerated trucks. The units have undergone intensive testing at our state-of-the-art research and development centers, so it goes without saying that when you deal with Thermo King you are dealing with the Industry benchmark in reliability, performance, durability and efficiency.

Product models

- KV-200
- KV-300 II
- KV-500



KV-Series Key Features

- Ultra slim micro-channel condenser
- Ultra slim evaporator, providing more loading space
- Quick pull down, accurate temperature control and low fuel consumption
- Superior airflow rate to protect goods
- In-cab controls with digital LED display for driver's convenience
- Operation in ambient temperature up to 49°C
- Electric standby option, more energy saving
- Easy maintenance, service and installation



Specifications

		KV-200	KV-300 II	KV-500
Temp. range		-30°C~+30°C	-30°C~+30°C	-30°C~+30°C
Refrigerant		R-404A	R-404A	R-404A
Charge		1.5kg	1.8kg	2.5kg
Cooling capacity (W)		A.R.I. US Standard @38 (Ambient)		
Engine power	2	2,900	3,700	4,900
	-18	1,650	1,740	2,500
Electric standby(3 phase)	2	2,600	3,100	3,440
	-18	1,200	1,350	2,300
Electric standby(1 phase)	2	2,130	2,130	-
	-18	965	965	-
Cooling capacity (W)		A.T.P. U.N. Standard @30 (Ambient)		
Engine power	0	3,200	3,980	5,000
	-20	1,700	1,900	2,550
Electric standby(3 phase)	0	2,800	3,400	3,625
	-20	1,450	1,500	2,460
Electric standby(1 phase)	0	2,350	2,350	-
	-20	1,100	1,100	-
Compressor				
Model		TK15	TK16	TK16
Number of Cylinder		6	6	6
Displacement(cm ³)		146	163	163
Evaporator blower performance				
Flow rate(@0static pressure)(m ³ /h)		1,200	1,500	2,500
Velocity (m/s)		3.3	3.3	3
Electric option				
Voltage/phase/frequency/current	230V/3PH/60Hz/9.5A		230V/3PH/60Hz/12.6A	230V/3PH/60Hz/11.2A
	380V/3PH/50Hz/5.7A		380V/3PH/50Hz/6.7A	380V/3PH/50Hz/6.5A
	220V/1PH/50Hz/8.5A		220V/1PH/50Hz/8.5A	-
Total current consumption on the road (A)				
12 VDC		36	32	44
24VDC		18	16	23
Weight (approximate)				
Condenser (kg)		26.8 (roof mounted) 25.9 (nose mounted)	30	58
Evaporator (kg)		15.1	22	30
Compressor (kg)		4.3	4.6	4.6
Electric standby (kg)		57	57	44
Dimension(mm)				
Condenser		820(L)*1003(W)*188(H)(roof mounted) 820(L)*500(W)*188(H)(nose mounted)	1023(L)*435(W)*316(H)	1150(L)*581(W)*430(H)
Evaporator		970(L)*595(W)*180(130)(H)	970(L)*595(W)*180(130)(H) (Model B) 1098(L)*666(W)*149(118)(H) (Model F)	1376(L)*622(W)*235(H)

Dimension(mm)

