

Cooling and Heating Capacities Vehicle Powered Units

Cooling and Heating Capacities Self Powered Units

Model	Refrigerant	Truck Engine Cooling Capacity-Btu/hr.			Electric Standby Cooling Capacity-Btu/hr.			Evaporator Airflow	Truck Coolant Heating - Btu/hr.		Model	Refrigerant	Engine Cooling ¹ - Btu/hr.			Electric Cooling ² - Btu/hr.			Evaporator Airflow	Heating ³ - Btu/hr.	
		35°F	0°F	-20°F	35°F	0°F	-20°F		CFM	Engine			Electric	35°F	0°F	-20°F	35°F	0°F		-20°F	CFM
B-085	R-134a	2,730	1,230	----	2,730	1,230	----	450	----	----	MD-100	R-404A	11,000	8,200	5,000	8,750	7,100	4,800	1,600	10,500	5,100
V-200	R-134a	5,930	3,410	----	4,700	2,120	----	650	15,000	5,000	MD-200	R-404A	15,000	10,000	6,700	12,000	9,000	6,000	1,600	12,500	9,800
V-200 MAX	R-404A	7,160	4,775	3,170	5,250	3,410	2,665	650	15,000	5,000	MD-300	R-404A	18,000	12,000	7,500	14,500	10,500	6,800	1,600	14,000	11,500
V-300	R-134a	9,590	4,130	----	6,690	2,425	----	765	15,000	5,000	RD-II SR	R-404A	20,500	15,500	10,000	17,500	14,000	9,500	1,600	15,000	12,000
V-300 MAX	R-404A	10,015	5,835	3,535	5,800	3,790	2,565	765	15,000	5,000	TS-200	R-404A	15,750	11,000	6,750	12,500	9,500	6,500	1,600	11,000	7,140
V-500	R-134a	11,300	4,400	----	9,700	3,300	----	1,415	17,000	14,000	TS-300	R-404A	22,600	12,500	7,500	17,500	10,500	6,800	1,600	12,300	7,600
V-500 MAX	R-404A	13,400	7,100	4,100	9,000	5,700	3,000	1,415	17,000	14,000	TS-500	R-404A	25,000	18,000	12,000	20,500	17,500	10,300	1,900	13,800	9,100

Unit selection may vary depending on ambient temperature, truck body insulation, number of door openings, heat of respiration, etc. Please consult your Thermo King dealer for a detailed computer analysis and printed report showing your truck application requirements and unit selection comparison.

¹ High speed engine in 100°F ambient ² 60 Hertz power in 100° ambient ³ High speed engine/60 Hertz power in -20° ambient

Box Size/Temperature Guide Vehicle Powered Units*

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Temp								Temp									
	6'	8'	10'	12'	14'	16'	18'		14'	16'	18'	20'	22'	24'	26'	28'	
35°F -2°C	V-200 or B-085	V-200 or B-085	V-300	V-300	V-500	V-500	V-500	MD-100 or MD-200	MD-100 or MD-200	MD-100 or MD-200	MD-100 or MD-200	MD-200 or TS-200	MD-200 or TS-200	MD-200 or TS-200	MD-200 or TS-200	MD-300 or TS-300	
0°F -18°C	V-200 MAX	V-300 MAX	V-300 MAX	V-500 MAX	V-500 MAX	V-500 MAX	Contact Your Local Thermo King Dealer	MD-200 or TS-200	MD-200 or TS-200	MD-200 or TS-200	MD-200 or TS-200	MD-200 or TS-300	MD-300 or TS-500	RD-II SR or TS-500	RD-II SR or TS-500	RD-II SR or TS-500	
-20°F -29°C	V-200 MAX	V-300 MAX	V-500 MAX	V-500 MAX	Contact Your Local Thermo King Dealer	Contact Your Local Thermo King Dealer	Contact Your Local Thermo King Dealer	KD-II SR or TS-300	RD-II SR or TS-500	RD-II SR or TS-500	RD-II SR or TS-500	RD-II SR or TS-500	RD-II SR or TS-500	TS-500	Contact Your Local Thermo King Dealer	Contact Your Local Thermo King Dealer	

*Above reference assumes 3" of insulation for 35°F (2°C), 0°F (-18°C) and 4" for -20°F (-29°C); ten door openings per delivery day; box dimensions of 96"W and 72"H on trucks 10' and over in length.

Self Powered



Providing equipment and services to manage controlled-temperature environments for food and other perishables, our Climate Control Technologies sector encompasses both transport and stationary refrigeration solutions. Our product brands include Thermo King®, a world leader in transport temperature control systems, and Hussmann®, a manufacturer of refrigeration and food merchandising equipment.

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TK 52538-1-PL (1-07)

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