



V-600 MAX Series

Enhanced product positioning to address non-diesel trend



- Increased performance both on the road and in stand-by operation
- Swash plate compressor for ease of installation
- User friendly and advanced Direct Smart Reefer controller
- More environmentally friendly
- Superior performance
- A full range available



V-600 MAX Series

The V-600 MAX Series from Thermo King comprises two-piece split units designed for fresh, frozen and deep frozen applications on trucks. The V-600 MAX Series range delivers increased performance more efficiently. A more efficient evaporator and an all-aluminium condenser coil - also used in the V-500 MAX Series - bring significant life cycle benefits and create less environmental impact. The V-600 MAX Series is equipped with the TM16 swash plate compressor for ease of installation and drive kit availability.

System components

- Condenser
- ES600 MAX evaporator
- TM16 swash plate road compressor
- Installation kit
- In-cab control box

V-600 MAX Series range

- V-600 MAX 10 (12V & 24V)
- V-600 MAX 20 (12V & 24V)
- V-600 MAX 30 (12V & 24V)
- V-600 MAX 50 (12V & 24V)

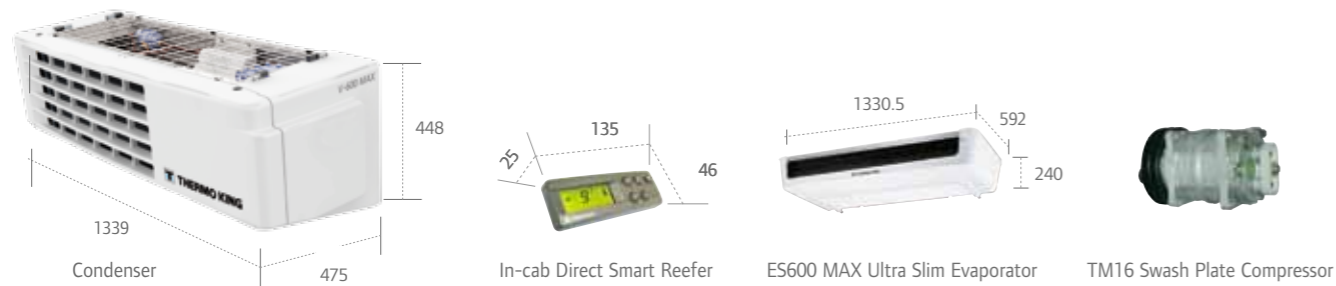
Unit selection guide

The table below contains a guide to help you select the right unit in the V-600 MAX Series to match your application. These figures are maximum vehicle volumes, calculated on road operation, at 2400 rpm compressor speed and 30°C ambient temperature.

MODEL	AMBIENT TEMPERATURE			
	30°C		40°C	
	m ³			
	+0/2°C	-20°C	+0/2°C	-20°C
V-600 MAX	48	30	34	24

Recommendations are based on pre-cooled loads. A k value of 0.35W/m²K is used for frozen goods (-20°C) and 0.5W/m²K for fresh goods (0°C and +6°C) for a distribution time of 8 hours. Recommendations are not a guarantee of performance as there are many variables to be considered. See your Thermo King dealer for complete information.

Dimensions (mm)



Specifications

SPECIFICATIONS		V-600 MAX	
REFRIGERATION CAPACITY: SYSTEM NET COOLING CAPACITY AT 30°C			
Return air to evaporator		0°C /30°C	-20°C/30°C
Capacity on engine power - Swash Plate Compressor (2400 rpm) ATP	R-404A (W)	5910	3280
Capacity on electric stand-by 50HZ ATP	R-404A (W)	4970	2550
EVAPORATOR FAN PERFORMANCE		ES600 MAX	
Airflow volume ATP	m ³ /h	2580	
WEIGHT			
Condenser without electric stand-by	kg	53	
Condenser with electric stand-by	kg	125	
Evaporator ES600 MAX	kg	28	
COMPRESSOR : MAX RECOMMENDED SPEED 3000 RPM			
Model		TM16	
Displacement	cc	163	
Number of cylinders		6	
ELECTRIC MOTOR			
dc voltage options		12 Vdc and 24 Vdc	
Electric stand-by options		400V/3 Phase/50 Hz, 230V/3 Phase/50 Hz 400V/3 Phase/60 Hz, 230V/3 Phase/60 Hz 230V/1 Phase/50 Hz, 230V/1 Phase/60 Hz	
Total current consumption on the road		12Vdc: 36 A, 24Vdc: 18 A	
Total stand-by current consumption		400V/3 Phase/50 Hz: 9.3 A 230V/3 Phase/50 Hz: 16.1 A 400V/3 Phase/60 Hz: 10.6 A 230V/3 Phase/60 Hz: 18.4 A 230V/1 Phase/50 Hz: 20.3 A 230V/1 Phase/60 Hz: 20.3 A	
REFRIGERANT:			
Charge	R-404A kg	10 version: 2.2 20 / 30 versions: 2.3 50 version: 2.4	
HEATING CAPACITY: 18°C / -18°C			
Capacity on engine power - Swash Plate Compressor (2400 rpm)	R-404A W	4000	
Capacity on electric stand-by 50HZ	R-404A W	3200	
DEFROST			
	R-404A	Automatic hot gas defrost	





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For further information please contact:



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