



TSA 44

Compressor coupled to the vehicle's motor



THERM STAR

The best refrigeration technology for transportation

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Company with ISO 9001:2015 Certified Management System

System performance

TSA 44	TSE 44
Return air to evaporator	
Capacity: -5 °C 6.725 BTU/h -18 °C 6.623 BTU/h	
Coupled compressor	
Model: Heavy Duty 7H15 Number of cylinders: 7 Displacement: approx. 160 cm ³	
Electric compressor	
Not available	Type: semi-hermetic Voltage: 220V/380V - 60 Hz Power: 2 hp
Voltage options	
Coupled: 12 or 24 VDC	
Equipment consumption	
Coupled 12 VDC: 32 A 24 VDC: 16 A	Coupled 12 VDC: 32 A 24 VDC: 16 A Electric 220V: 16,5 A 380V: 10,2 A
Defrost	
Automatic hot gas	
Compressor lubrication	
Oil separator	
Refrigerant gas	
Type: HFC R-404A Load: approx. 2,0 kg	
Evaporator	
Air flow: 1.450 m ³ /h	
Total weight	
87 kg	155 kg

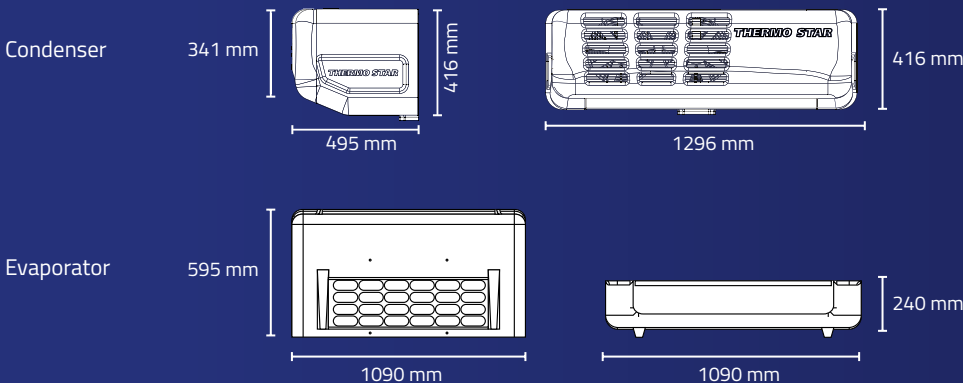
- Compact evaporator for greater space saving;
- HFC R-404A refrigerant;
- Remote external power plug;
- Protection against electric motor overload;
- Illuminated keys in the controller;
- Automatic 220/380V voltage selector;
- Protection diagnostic indicators;
- Programmed defrost interval;
- Digital display (controller in the cabin);
- Return air temperature;
- Automatic defrost control;
- Protection against high and low refrigerant pressure;
- Liquid tank pressure safety valve;
- Low noise, allowing operation at any time;
- High capacity and air flow for maximum protection of your load;
- Microprocessor control of easy operation;
- Flexibility of use in light vehicles, vans and medium to large sized trucks, with three electric fans in the evaporator;
- Has a long lifespan and better maintenance cost-benefit ratio.

Temperature table

Equipment model	Body insulation	Truck body dimensions								
		2 m 4 m ³	2,80 m 8 m ³	3,50 m 12 m ³	4,20 m 15 m ³	5 m 20 m ³	6,50 m 35 m ³	7,50 m 42 m ³	8,40 m 48 m ³	9,40 m 54 m ³
TSA 44 (R-404A gas)	80 mm	-	-18 °C	-18 °C	-18 °C	-18 °C	-15 °C	-	-	-
TSE 44 (R-404A gas)	80 mm	-	-18 °C	-18 °C	-18 °C	-18 °C	-15 °C	-	-	-

Consider temperatures for new truck body with polyurethane insulation, density 36/40 kg/m³. Test temperature 36 °C.

Dimensions



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