



### V-500 MAX SPECTRUM

#### Superior temperature control

The V500 Max Spectrum unit is designed for medium-sized trucks (four to five metres in length). Offered in four different evaporator configurations (ES300 + ES300, ES300 + 2 x ES150, ES300 + ES150 and 2 x ES150 + 2 x ES150), it optimizes the amount of goods transported in each journey.

- Complete multi-temp range
- More flexible system for fresh, frozen and deep frozen applications
- Transversal and longitudinal compartments
- Temperature accuracy
- Superior performance
- Ease of installation

### Specifications

Refrigeration Capacity: Individual Cooling Capacity	
Capacity on engine power ES500 MAX 0°C	4630 W
Capacity on engine power ES500 MAX -20°C	2380 W
Capacity on engine power ES150 MAX 0°C	2925 W
Capacity on engine power ES150 MAX -20°C	1410 W
Capacity on engine power 2 X ES150 MAX 0°C	3974 W
Capacity on engine power 2 X ES150 MAX -20°C	1970 W
Capacity on engine power ES300 MAX 0°C	3585 W
Capacity on engine power ES300 MAX -20°C	1850 W
Capacity on engine power ES100 MAX 0°C	2300 (ES100n) W
Capacity on engine power ES100 MAX -20°C	1290 (ES100n) W
Capacity on electrical stand by ES500 MAX 0°C	4085 W
Capacity on electrical stand by engine power ES500 MAX -20°C	2020 W
Capacity on electrical stand by ES150 MAX 0°C	2579 W
Capacity on electrical stand by ES150 MAX -20°C	1320 W
Capacity on electrical stand by 2 X ES150 MAX 0°C	3596 W
Capacity on electrical stand by 2 X ES150 MAX -20°C	1700 W
Capacity on electrical stand by ES100 MAX 0°C	2410 (ES100n) W
Capacity on electrical stand by ES100 MAX -20°C	1075 (ES100n) W
Capacity on electrical stand by ES300 MAX 0°C	3385 W
Capacity on electrical stand by ES300 MAX -20°C	1670 W

Compressor	
Model	QP16
Displacement	163 cm <sup>3</sup>
Number of cylinders	6

Refrigerant Charge	
Charge	model 30 = 2.4 kg and model 50 = 2.5 kg

Refrigeration Capacity	
<b>System net cooling capacity under A.T.P. conditions at 30 °C ambient</b>	
Capacity on engine power -20°C	2290 W
Capacity on engine power ES300 MAX+ES300 MAX -20°C	2290 W
Capacity on engine power ES300 MAX+ES150 MAX -20°C	2290 W
Capacity on engine power ES300 MAX+2xES150 MAX -20°C	2290 W
Capacity on electrical stand by -20°C	1920 W
Capacity on electrical stand by ES300 MAX+ES300 MAX -20°C	1920 W
Capacity on electrical stand by ES300 MAX+ES150 MAX -20°C	1920 W
Capacity on electrical stand by ES300 MAX+2xES150 MAX -20°C	1920 W

Generic (Boxlength, Refrigerant, ...)	
Box volume	22 m <sup>3</sup>
Refrigerant	R-404A/R-452A
Airflow	1185 m <sup>3</sup> /hr
Controller	DSR III

Defrost	
Defrost	Automatic hot gas defrost

Heating Capacity	
On the road	3600 W
Electric Stand By Operation	3120 W

Airflow	
<b>on high speed engine operation</b>	
ES300+2XES150	1185+(2x700) m <sup>3</sup> /hr
ES300+ES150	1185+700 m <sup>3</sup> /hr
ES300+ES300	2x1185 m <sup>3</sup> /hr

Weight	
<b>including battery</b>	
Condenser w/o electric stand-by	53 kg
Condenser with electric stand-by	125 kg
Evaporator ES500 MAX	25.5 kg
Evaporator ES300 MAX	18 kg
Evaporator ES150 MAX	12.5 kg
Swash Plate Compressor	7.1 kg
Evaporator ES100 MAX	8.5 (ES100n) kg

Electrical Stand by Motor	
Voltage / Phase / Frequency	400/3/50 --230/3/50 -- 230/3/60 -- 230/1/50 -- 230/1/60 --380/3/60
Rating	6.4 (400/3/50) kW

Dimensions	Unit	Condenser
Height	448 mm	448 mm
Width	475 mm	1339 mm
Depth	1339 mm	475 mm

### Features and Options

Life cost management	
ThermoKare Service contracts	<input checked="" type="checkbox"/>
Data capture & communications	
USB Datalogger	<input checked="" type="checkbox"/>
TouchPrint data logger	<input checked="" type="checkbox"/>
Wintrac (data analysis software)	<input checked="" type="checkbox"/>
Datalogger Jr	<input checked="" type="checkbox"/>
Load Protection	
Hose extension 2 m/4 m/6 m	<input type="checkbox"/>
Bumper feet roof mounting	<input checked="" type="checkbox"/>
HMI holder	<input checked="" type="checkbox"/>
Kit swivel manifold (upgrade)	<input checked="" type="checkbox"/>
Din Adapter	<input type="checkbox"/>
Hose Cover	<input type="checkbox"/>
Snow Cover (kit deflector Small)	<input type="checkbox"/>
Snow Cover (kit deflector Big)	<input type="checkbox"/>
Harness Extension 2m/4m/6m	<input type="checkbox"/>
Door switches	<input type="checkbox"/>

Option: Factory Supplied    
  Option: Dealer Supplied    
  Not Available    
  Standard Feature