



### V-300 MAX Spectrum

**Superior temperature control**

The V300 MAX Spectrum unit is capable of cooling vans and trucks up to 16 m<sup>3</sup> and can be configured with three evaporator options (ES150 + ES150, ES200 + ES100, and ES150 + ES100), increasing the flexibility for customers to adapt most efficiently to their transport needs.

- Superior temperature control
- User friendly Direct Smart Reefer
- Flexibility
- Improved reliability of electrical components
- Ease of maintenance and service
- Ease of installation

### Specifications

Refrigeration Capacity: Individual Cooling Capacity	
Capacity on engine power ES150 MAX 0°C	2895 W
Capacity on engine power ES150 MAX -20°C	1625 W
Capacity on engine power ES100 MAX 0°C	2685 W
Capacity on engine power ES100 MAX -20°C	1540 W
Capacity on engine power ES200 MAX 0°C	2940 W
Capacity on engine power ES200 MAX -20°C	1585 W
Capacity on electrical stand by ES150 MAX 0°C	2340 W
Capacity on electrical stand by ES150 MAX -20°C	1240 W
Capacity on electrical stand by ES100 MAX 0°C	2205 W
Capacity on electrical stand by ES100 MAX -20°C	1145 W
Capacity on electrical stand by ES200 MAX 0°C	2480 W
Capacity on electrical stand by ES200 MAX -20°C	1180 W

Compressor	
Model	QP15
Displacement	146.7 cm <sup>3</sup>
Number of cylinders	6

Refrigerant Charge	
Charge	30: 1.55 -- 50: 1.6 kg

Refrigeration Capacity	
<b>System net cooling capacity under A.T.P. conditions at 30 °C ambient</b>	
Capacity on engine power ES150 MAX+ES150 MAX -20°C	2150 W
Capacity on engine power ES150 MAX+ES100 MAX -20°C	2150 W
Capacity on engine power ES200 MAX+ES100 MAX -20°C	1870 W
Capacity on electrical stand by ES150 MAX+ES150 MAX -20°C	1380 W
Capacity on electrical stand by ES150 MAX+ES100 MAX -20°C	1415 W
Capacity on electrical stand by ES200 MAX+ES100 MAX -20°C	1315 W

Generic (Boxlength, Refrigerant, ...)	
Box volume	16 m <sup>3</sup>
Refrigerant	R-404A/R-452A
Airflow	890 m <sup>3</sup> /hr
Controller	DSR III

Host Unit Electric Standby	
AC Voltage/Phase/Cycles (system voltage)	230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60

Defrost	
Defrost	Automatic hot gas defrost

Heating Capacity	
On the road	3100 W
Electric Stand By Operation	2250 W

Airflow	
<b>on high speed engine operation</b>	
ES200+ES100	1210 + 770 m <sup>3</sup> /hr
ES150+ES150	2 x 890 m <sup>3</sup> /hr
ES150+ES100	890 + 765 m <sup>3</sup> /hr

Weight	
<b>including battery</b>	
Model 30	25 kg
Model 50	75 kg
Installation kit	24 kg
Evaporator ES150 MAX	12.5 kg
Swash Plate Compressor	6.8 kg
Evaporator ES100 MAX	9 kg
Evaporator ES200 MAX	15 kg

Electrical Stand by Motor	
Voltage / Phase / Frequency	230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60
Rating	3.8 kW

### 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"/>
Muffler kit	<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"/>

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