

DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



UNIT Width 789 mm x Depth 500 mm x Height 242 mm
CONDENSER Width 789 mm x Depth 500 mm x Height 242 mm

V-100 MAX

Superior temperature control

The V-100, 200 and 300 series offer the optimal temperature control solution for trucks and vans up to 28m³. This complete range share many common components including the Direct Smart Reefer and has many modular options to fulfill the requirements of every customer with the following benefits:

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

PERFORMANCE

REFRIGERATION CAPACITY		HEATING CAPACITY	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT			
Capacity on engine power 0°C	2080 W	On the road	1900 W
Capacity on engine power -20°C	1090 W	Electric Stand By Operation	1100 W
Capacity on electrical stand by 0°C	1260 W		
Capacity on electrical stand by -20°C	695 W		

AIRFLOW	
ON HIGH SPEED ENGINE OPERATION	
Airflow volume @ 0 pa static pressure	660 m ³ /hr

TECHNICAL DATA

COMPRESSOR		REFRIGERANT CHARGE	
Model	QP08N	Charge	10/30: 0.62 -- 20: 0.85 -- 50: 1.2 kg
Displacement	82 cm ³		
Number of cylinders	6		

GENERIC (BOXLENGTH, REFRIGERANT, ...)		DEFROST	
Box volume	8 - 16 m ³	Defrost	Automatic hot gas defrost
Refrigerant	R-404A		
Airflow	866 m ³ /hr		
Controller	DSR III		

WEIGHT INCLUDING BATTERY		ELECTRICAL STAND BY MOTOR	
Installation kit	24 kg	Voltage / Phase / Frequency	230/1/50
Condenser w/o electric stand-by	25 kg	Rating	1.6 kW
Condenser with electric stand-by	43 kg		
Evaporator	9 kg		
Swash Plate Compressor	6.5 kg		

SOUND PRESSURE LEVEL	
High Speed Diesel	84 dB(A)

DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
DATA CAPTURE & COMMUNICATIONS			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
LOAD PROTECTION			
Hose extention 2 m/4 m/6 m		x	
Bumper feet roof mounting	x		
HMI holder	x		
Kit hoses large (upgrade)	x		
Kit swivel manifold (upgrade)	x		
Din Adapter		x	
Hose Cover		x	
Muffler kit		x	
Snow Cover (kit deflector Small)		x	
Harness Extension 2m/4m/6m		x	
Door switches		x	

DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



UNIT Width 1180 mm x Depth 485 mm x Height 222 mm

V-200

Superior temperature control

The V-100, 200 and 300 series offer the optimal temperature control solution for trucks and vans up to 28m³. This complete range share many common components including the Direct Smart Reefer and has many modular options to fulfill the requirements of every customer with the following benefits:

- Modern compact platform
- User friendly Direct Smart Reefer
- Increased reliability
- Easy maintenance, service and installation

PERFORMANCE

REFRIGERATION CAPACITY		AIRFLOW	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		ON HIGH SPEED ENGINE OPERATION	
Capacity on engine power 0°C	2255 W	Airflow volume @ 0 pa static pressure	1210 m ³ /hr
Capacity on engine power -20°C	945 W		
Capacity on electrical stand by 0°C	1850 W		
Capacity on electrical stand by -20°C	685 W		

TECHNICAL DATA

COMPRESSOR		REFRIGERANT CHARGE	
Model	QP13	Charge	10: 1.0 -- 20: 1.2 kg
Displacement	131 cm ³		
Number of cylinders	6		
GENERIC (BOXLENGTH, REFRIGERANT, ...)		DEFROST	
Box volume	9 - 18 m ³	Defrost	Automatic hot gas defrost
Refrigerant	R-134a		
Airflow	1241 m ³ /hr		
Controller	DSR III		
WEIGHT INCLUDING BATTERY		ELECTRICAL STAND BY MOTOR	
Model 30	25 kg	Voltage / Phase / Frequency	230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60
Model 50	75 kg		
Installation kit	24 kg	Rating	3.7 kW
Condenser w/o electric stand-by	25 kg		
Condenser with electric stand-by	43 kg		
Evaporator	15 kg		
Swash Plate Compressor	6.9 kg		
SOUND PRESSURE LEVEL			
High Speed Diesel			85 dB(A)

DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
DATA CAPTURE & COMMUNICATIONS			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
LOAD PROTECTION			
Hose extention 2 m/4 m/6 m		x	
Bumper feet roof mounting	x		
HMI holder	x		
Kit hoses large (upgrade)	x		
Kit swivel manifold (upgrade)	x		
Din Adapter		x	
Hose Cover		x	
Muffler kit		x	
Snow Cover (kit deflector Small)		x	
Harness Extension 2m/4m/6m		x	
Door switches		x	

DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



UNIT Width 789 mm x Depth 500 mm x Height 242 mm
CONDENSER Width 789 mm x Depth 500 mm x Height 242 mm

V-200s MAX

Superior temperature control

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- Flexibility
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- Ease of installation

PERFORMANCE

REFRIGERATION CAPACITY		HEATING CAPACITY	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT			
Capacity on engine power 0°C	2410 W	On the road	2200 W
Capacity on engine power -20°C	1180 W	Electric Stand By Operation	1300 W
Capacity on electrical stand by 0°C	1500 W		
Capacity on electrical stand by -20°C	650 W		

AIRFLOW	
ON HIGH SPEED ENGINE OPERATION	
Airflow volume @ 0 pa static pressure	1001 m ³ /hr

TECHNICAL DATA

COMPRESSOR		REFRIGERANT CHARGE	
Model	QP08	Charge	1.2 kg
Displacement	131 cm ³		
Number of cylinders	6		

GENERIC (BOXLENGTH, REFRIGERANT, ...)		DEFROST	
Box volume	10 - 19 m ³	Defrost	Automatic hot gas defrost
Refrigerant	R-452A		
Airflow	1000 m ³ /hr		
Controller	DSR III		

WEIGHT INCLUDING BATTERY		ENGINE	
Installation kit	24 kg	Rating	1.6 kW
Condenser w/o electric stand-by	25 kg	no. of cylinders/displacement	6/82 cm ³
Condenser with electric stand-by	43 kg		
Evaporator	14 kg		

SOUND PRESSURE LEVEL	
High Speed Diesel	84 dB(A)

DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
DATA CAPTURE & COMMUNICATIONS			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
LOAD PROTECTION			
Bumper feet roof mounting	x		
HMI holder	x		
Kit hoses large (upgrade)	x		
Kit swivel manifold (upgrade)	x		
Din Adapter		x	
Hose Cover		x	
Muffler kit		x	
Snow Cover (kit deflector Small)		x	
Door switches		x	

DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



UNIT Width 1180 mm x Depth 485 mm x Height 222 mm

V-200 MAX

Superior temperature control

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PERFORMANCE

REFRIGERATION CAPACITY SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		HEATING CAPACITY	
Capacity on engine power 0°C	2770 W	On the road	2800 W
Capacity on engine power -20°C	1460 W	Electric Stand By Operation	2050 W
Capacity on electrical stand by 0°C	1970 W		
Capacity on electrical stand by -20°C	1130 W		

AIRFLOW ON HIGH SPEED ENGINE OPERATION	
Airflow volume @ 0 pa static pressure	1241 m ³ /hr

TECHNICAL DATA

COMPRESSOR		REFRIGERANT CHARGE	
Model	QP13	Charge	10/30: 1.0 -- 20/50: 1.2 kg kg
Displacement	131 cm ³		
Number of cylinders	6		

GENERIC (BOXLENGTH, REFRIGERANT, ...)		DEFROST	
Box volume	13 - 22 m ³	Defrost	Automatic hot gas defrost
Refrigerant	R-404A/R-452A		
Airflow	1100 m ³ /hr		
Controller	DSR III		

WEIGHT INCLUDING BATTERY		ELECTRICAL STAND BY MOTOR	
Model 30	25 kg	Voltage / Phase / Frequency	230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60
Model 50	75 kg	Rating	3.7 kW
Installation kit	24 kg		
Condenser w/o electric stand-by	25 kg		
Condenser with electric stand-by	43 kg		
Evaporator	15 kg		
Swash Plate Compressor	6.9 kg		

SOUND PRESSURE LEVEL	
High Speed Diesel	85 dB(A)

DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
DATA CAPTURE & COMMUNICATIONS			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
LOAD PROTECTION			
Hose extention 2 m/4 m/6 m		x	
Bumper feet roof mounting	x		
HMI holder	x		
Kit hoses large (upgrade)	x		
Kit swivel manifold (upgrade)	x		
Din Adapter		x	
Hose Cover		x	
Muffler kit		x	
Snow Cover (kit deflector Small)		x	
Harness Extension 2m/4m/6m		x	
Door switches		x	

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UNIT Width 1180 mm x Depth 485 mm x Height 222 mm

V-300

Superior Temperature Control

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- Modern compact platform
- User friendly Direct Smart Reefer
- Increased reliability
- Easy maintenance, service and installation

PERFORMANCE

REFRIGERATION CAPACITY SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		AIRFLOW ON HIGH SPEED ENGINE OPERATION	
Capacity on engine power 0°C	2965 W	Airflow volume @ 0 pa static pressure	2033 m ³ /hr
Capacity on engine power -20°C	1260 W		
Capacity on electrical stand by 0°C	2090 W		
Capacity on electrical stand by -20°C	865 W		

TECHNICAL DATA

COMPRESSOR		REFRIGERANT CHARGE	
Model	QP15	Charge	10: 1.1 -- 20: 1.3 kg
Displacement	146.7 cm ³		
Number of cylinders	6		
GENERIC (BOXLENGTH, REFRIGERANT, ...)		DEFROST	
Box volume	10 - 25 m ³	Defrost	Automatic hot gas defrost
Refrigerant	R-134a		
Airflow	1400 m ³ /hr		
Controller	DSR III		
WEIGHT INCLUDING BATTERY		ELECTRICAL STAND BY MOTOR	
Model 30	25 kg	Voltage / Phase / Frequency	230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60
Model 50	75 kg		
Installation kit	24 kg	Rating	3.7 kW
Condenser w/o electric stand-by	30 kg		
Condenser with electric stand-by	70 kg		
Evaporator	18 kg		
Swash Plate Compressor	6.8 kg		
SOUND PRESSURE LEVEL			
High Speed Diesel			85 dB(A)

DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
DATA CAPTURE & COMMUNICATIONS			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
LOAD PROTECTION			
Hose extention 2 m/4 m/6 m		x	
Bumper feet roof mounting	x		
HMI holder	x		
Kit hoses large (upgrade)	x		
Kit swivel manifold (upgrade)	x		
Din Adapter		x	
Hose Cover		x	
Muffler kit		x	
Snow Cover (kit deflector Small)		x	
Harness Extension 2m/4m/6m		x	
Door switches		x	

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UNIT Width 1180 mm x Depth 485 mm x Height 222 mm

V-300 MAX

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PERFORMANCE

REFRIGERATION CAPACITY

SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT

Capacity on engine power 0°C	3330 W
Capacity on engine power -20°C	1840 W
Capacity on electrical stand by 0°C	2840 W
Capacity on electrical stand by -20°C	1235 W

HEATING CAPACITY

On the road	3100 W
Electric Stand By Operation	2250 W

AIRFLOW

ON HIGH SPEED ENGINE OPERATION

Airflow volume @ 0 pa static pressure	1379 m ³ /hr
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TECHNICAL DATA

COMPRESSOR

Model	QP15
Displacement	146.7 cm ³
Number of cylinders	6

REFRIGERANT CHARGE

Charge	10/30: 1.1 -- 20/50: 1.3 kg
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GENERIC (BOXLENGTH, REFRIGERANT, ...)

Box volume	17 - 28 m ³
Refrigerant	R-452A
Airflow	1400 m ³ /hr
Controller	DSR III

DEFROST

Defrost	Automatic hot gas defrost
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WEIGHT

INCLUDING BATTERY

Model 30	25 kg
Model 50	75 kg
Installation kit	24 kg
Condenser w/o electric stand-by	25 kg
Condenser with electric stand-by	70 kg
Evaporator	18 kg
Swash Plate Compressor	6.8 kg

ELECTRICAL STAND BY MOTOR

Voltage / Phase / Frequency	230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60
Rating	3.7 kW

SOUND PRESSURE LEVEL

High Speed Diesel	85 dB(A)
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	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
DATA CAPTURE & COMMUNICATIONS			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
LOAD PROTECTION			
Hose extention 2 m/4 m/6 m		x	
Bumper feet roof mounting	x		
HMI holder	x		
Kit hoses large (upgrade)	x		
Kit swivel manifold (upgrade)	x		
Din Adapter		x	
Hose Cover		x	
Muffler kit		x	
Snow Cover (kit deflector Small)		x	
Harness Extension 2m/4m/6m		x	
Door switches		x	