

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



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

## B-100

All-electric temperature control for chilled, frozen and pharma products

- Total load protection with low operating costs
- Direct Smart Reefer technology puts you in control
- Go-anywhere tracking and monitoring
- Rapid and cost-effective service and maintenance
- Easy installation keeps costs to a minimum
- Good Distribution Practice (GDP) qualified

### PERFORMANCE

#### REFRIGERATION CAPACITY

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

Capacity on Battery power 0°C	1013 W
Capacity on Battery power -20°C	312 W
Capacity on electrical stand by 0°C	981 W
Capacity on electrical stand by -20°C	302 W

### TECHNICAL DATA

#### CONTROLLER

General

DSR-III

#### COMPRESSOR

Model

C-206Y

Displacement

48 cm<sup>3</sup>

Number of cylinders

2

#### GENERIC (BOXLENGTH, REFRIGERANT, ...)

Refrigerant

R-134a

#### WEIGHT

Model 30

47 kg

Airflow

2080 m<sup>3</sup>/hr

Model 50

59 kg

Controller

DSR III

Evaporator

9 kg

#### UNIT DIMENSIONS

Condenser Height

242 mm

Condenser Width

789 mm

Condenser Depth

500 mm

In-cab Controls Height

46 mm

In-cab Controls Width

135 mm

In-cab Controls Depth

25 mm

Evaporator ES100 MAX Depth

490 mm

Evaporator ES100 MAX Height

187 mm

Evaporator ES100 MAX Width

608 mm

#### ELECTRICAL STAND BY MOTOR

Voltage / Phase / Frequency

230V/ 1 Phase/ 50 Hz

Rating

0.750 kW

#### NOISE

Road Mode

83 dB(A)

#### REFRIGERANT

Charge

0.85 kg

### AVAILABLE EVAP CONFIGURATIONS

ES100

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
<b>LIFE COST MANAGEMENT</b>			
ThermoKare Service contracts			x
<b>DATA CAPTURE &amp; COMMUNICATIONS</b>			
TouchPrint data logger			x
TrackKing? (tracking and load monitoring)		x	x
Wintrac (data analysis software)			x
<b>LOAD PROTECTION</b>			
Thermo King GDP PharmaSolutions Package		x	x
Din Adapter		x	
Hose Cover		x	
Snow Cover (kit deflector Small)		x	
Door switches		x	

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

### C-150



Flexible, protective, and effortless

Quicker temperature pull-down Higher airflow Larger condensing capacity Lightweight and compact design Reduced refrigerant charge Increased efficiency and sustainability Optimized heating performance Suitable for extreme ambient conditions 2-year warranty (unit and parts)

#### PERFORMANCE

##### REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	1603 W
Capacity on engine power -20°C	671 W
Capacity on electrical stand by 0°C	910 W
Capacity on electrical stand by -20°C	365 W

##### AIRFLOW

INDEPENDENT FROM UNIT ENGINE SPEED

Volume @ 0 Pa static pressure 745 m<sup>3</sup>/hr

#### TECHNICAL DATA

##### GENERIC (BOXLENGTH, REFRIGERANT, ...)

Airflow 745 m<sup>3</sup>/hr

##### WEIGHT

Model 50 23 kg

#### AVAILABLE EVAP CONFIGURATIONS

ES100

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

### C-250



Flexible, protective, and effortless

Quicker temperature pull-down Higher airflow Larger condensing capacity Lightweight and compact design Reduced refrigerant charge Increased efficiency and sustainability Optimized heating performance Suitable for extreme ambient conditions 2-year warranty (unit and parts)

#### PERFORMANCE

REFRIGERATION CAPACITY SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		AIRFLOW INDEPENDENT FROM UNIT ENGINE SPEED	
Capacity on engine power 0°C	2368 W	Volume @ 0 Pa static pressure	1100 m <sup>3</sup> /hr
Capacity on engine power -20°C	1001 W		
Capacity on electrical stand by 0°C	1937 W		
Capacity on electrical stand by -20°C	770 W		

#### TECHNICAL DATA

GENERIC (BOXLENGTH, REFRIGERANT, ...)		WEIGHT	
Airflow	1100 m <sup>3</sup> /hr	Model 50	23 kg

#### AVAILABLE EVAP CONFIGURATIONS

ES200

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

### C-350



Flexible, protective, and effortless

Quicker temperature pull-down Higher airflow Larger condensing capacity Lightweight and compact design Reduced refrigerant charge Increased efficiency and sustainability Optimized heating performance Suitable for extreme ambient conditions 2-year warranty (unit and parts)

#### PERFORMANCE

REFRIGERATION CAPACITY SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		AIRFLOW INDEPENDENT FROM UNIT ENGINE SPEED	
Capacity on engine power 0°C	2793 W	Volume @ 0 Pa static pressure	1400 m <sup>3</sup> /hr
Capacity on engine power -20°C	1204 W		
Capacity on electrical stand by 0°C	2140 W		
Capacity on electrical stand by -20°C	845 W		

#### TECHNICAL DATA

GENERIC (BOXLENGTH, REFRIGERANT, ...)		WEIGHT	
Airflow	1400 m <sup>3</sup> /hr	Model 50	23 kg

#### AVAILABLE EVAP CONFIGURATIONS

ES300

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

### C-450



Flexible, protective, and effortless

Quicker temperature pull-down Higher airflow Larger condensing capacity Lightweight and compact design Reduced refrigerant charge Increased efficiency and sustainability Optimized heating performance Suitable for extreme ambient conditions 2-year warranty (unit and parts)

#### PERFORMANCE

##### REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	3201 W
Capacity on engine power -20°C	1434 W

##### AIRFLOW

INDEPENDENT FROM UNIT ENGINE SPEED

Volume @ 0 Pa static pressure	1650 m <sup>3</sup> /hr
-------------------------------	-------------------------

#### TECHNICAL DATA

##### GENERIC (BOXLENGTH, REFRIGERANT, ...)

Airflow

1650 m<sup>3</sup>/hr

##### WEIGHT

Model 50

31 kg

#### AVAILABLE EVAP CONFIGURATIONS

ES300

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



### C-550

Flexible, protective, and effortless

Quicker temperature pull-down Higher airflow Larger condensing capacity Lightweight and compact design Reduced refrigerant charge Increased efficiency and sustainability Optimized heating performance Suitable for extreme ambient conditions 2-year warranty (unit and parts)

#### AVAILABLE EVAP CONFIGURATIONS

ES400

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



### C-650

Flexible, protective, and effortless

Quicker temperature pull-down Higher airflow Larger condensing capacity Lightweight and compact design Reduced refrigerant charge Increased efficiency and sustainability Optimized heating performance Suitable for extreme ambient conditions 2-year warranty (unit and parts)

#### AVAILABLE EVAP CONFIGURATIONS

ES500

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



### C-750

Flexible, protective, and effortless

Quicker temperature pull-down Higher airflow Larger condensing capacity Lightweight and compact design Reduced refrigerant charge Increased efficiency and sustainability Optimized heating performance Suitable for extreme ambient conditions 2-year warranty (unit and parts)

#### AVAILABLE EVAP CONFIGURATIONS

ES600

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



### V-100

## Superior temperature control

The V-100, 200 and 300 series offer the optimal temperature control solution for trucks and vans up to 28m<sup>3</sup>. 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		INDEPENDENT FROM UNIT ENGINE SPEED	
Capacity on engine power 0°C	1665 W	Volume @ 0 Pa static pressure	530 m <sup>3</sup> /hr
Capacity on engine power -20°C	680 W		
Capacity on electrical stand by 0°C	975 W		
Capacity on electrical stand by -20°C	390 W		

#### TECHNICAL DATA

COMPRESSOR		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Model	QP08	Box volume	5 - 12 m <sup>3</sup>
Displacement	82 cm <sup>3</sup>	Refrigerant	R-134a
Number of cylinders	6	Airflow	866 m <sup>3</sup> /hr
		Controller	DSR III

WEIGHT		DEFROST	
Slimline Evaporator	9 kg	Defrost	Automatic hot gas defrost
Installation kit	24 kg		
Condenser w/o electric stand-by	25 kg		
Condenser with electric stand-by	43 kg		
Swash Plate Compressor	6.5 kg		

UNIT DIMENSIONS		ELECTRICAL STAND BY MOTOR	
Height	242 mm	Voltage / Phase / Frequency	230/1/50
Width	789 mm	Rating	1.6 kW
Depth	500 mm		
Evaporator Height	187 mm		
Evaporator Width	608 mm		
Evaporator Depth	490 mm		
In-cab Controls Height	46 mm		
In-cab Controls Width	135 mm		
In-cab Controls Depth	25 mm		

NOISE		REFRIGERANT	
Road Mode	84 dB(A)	Charge	V-100 10: 0.62 – V-100 20: 0.850 Kg kg

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
<b>LIFE COST MANAGEMENT</b>			
ThermoKare Service contracts			x
<b>DATA CAPTURE &amp; COMMUNICATIONS</b>			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
<b>LOAD PROTECTION</b>			
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



**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 28m<sup>3</sup>. 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		AIRFLOW	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		INDEPENDENT FROM UNIT ENGINE SPEED	
Capacity on engine power 0°C	2080 W	Volume @ 0 Pa static pressure	660 m <sup>3</sup> /hr
Capacity on engine power -20°C	1090 W		
Capacity on electrical stand by 0°C	1260 W		
Capacity on electrical stand by -20°C	695 W		
HEATING CAPACITY			
On the road	1900 W		
Electric Stand By Operation	1100 W		

#### TECHNICAL DATA

COMPRESSOR		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Model	QP08N	Box volume	8 - 16 m <sup>3</sup>
Displacement	82 cm <sup>3</sup>	Refrigerant	R-404A
Number of cylinders	6	Airflow	866 m <sup>3</sup> /hr
		Controller	DSR III
WEIGHT		DEFROST	
Installation kit	24 kg	Defrost	Automatic hot gas defrost
Condenser w/o electric stand-by	25 kg		
Condenser with electric stand-by	43 kg		
Evaporator	9 kg		
Swash Plate Compressor	6.5 kg		
UNIT DIMENSIONS		ELECTRICAL STAND BY MOTOR	
Height	242 mm	Voltage / Phase / Frequency	230/1/50
Width	789 mm	Rating	1.6 kW
Depth	500 mm		
Condenser Height	242 mm		
Condenser Width	789 mm		
Condenser Depth	500 mm		
Evaporator Height	187 mm		
Evaporator Width	608 mm		

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

Evaporator Depth	490 mm
In-cab Controls Height	46 mm
In-cab Controls Width	135 mm
In-cab Controls Depth	25 mm

NOISE		REFRIGERANT	
Road Mode	84 dB(A)	Charge	10/30: 0.62 -- 20: 0.85 -- 50: 1.2 kg kg
		GWP/kg	2140

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
<b>LIFE COST MANAGEMENT</b>			
ThermoKare Service contracts			x
<b>DATA CAPTURE &amp; COMMUNICATIONS</b>			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
<b>LOAD PROTECTION</b>			
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



### V-200

## Superior temperature control

The V-100, 200 and 300 series offer the optimal temperature control solution for trucks and vans up to 28m<sup>3</sup>. 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		INDEPENDENT FROM UNIT ENGINE SPEED	
Capacity on engine power 0°C	2255 W	Volume @ 0 Pa static pressure	1210 m <sup>3</sup> /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		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Model	QP13	Box volume	9 - 18 m <sup>3</sup>
Displacement	131 cm <sup>3</sup>	Refrigerant	R-134a
Number of cylinders	6	Airflow	1241 m <sup>3</sup> /hr
		Controller	DSR III

WEIGHT		DEFROST	
Model 30	25 kg	Defrost	Automatic hot gas defrost
Model 50	75 kg		
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		

UNIT DIMENSIONS		ELECTRICAL STAND BY MOTOR	
Height	222 mm	Voltage / Phase / Frequency	230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60
Width	1180 mm	Rating	3.7 kW
Depth	485 mm		
Condenser w/o electric stand-by Height	242 mm		
Condenser w/o electric stand-by Width	789 mm		
Condenser w/o electric stand-by Depth	500 mm		
Condenser with electric stand-by Height	221 mm		
Condenser with electric stand-by Width	1180 mm		
Condenser with electric stand-by Depth	485 mm		
Evaporator Height	133 mm		
Evaporator Width	985 mm		
Evaporator Depth	525 mm		
In-cab Controls Height	46 mm		

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

In-cab Controls Width	135 mm
In-cab Controls Depth	25 mm

NOISE		REFRIGERANT	
Road Mode	85 dB(A)	Charge	10: 1.0 -- 20: 1.2 kg

### AVAILABLE EVAP CONFIGURATIONS

ES100

ES100N

ES200

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
<b>LIFE COST MANAGEMENT</b>			
ThermoKare Service contracts			x
<b>DATA CAPTURE &amp; COMMUNICATIONS</b>			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
<b>LOAD PROTECTION</b>			
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



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

## V-200s MAX

### Superior temperature control

The V-100, 200 and 300 series offer the optimal temperature control solution for trucks and vans up to 28m<sup>3</sup>. 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		AIRFLOW	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		INDEPENDENT FROM UNIT ENGINE SPEED	
Capacity on engine power 0°C	2410 W	Volume @ 0 Pa static pressure	1001 m <sup>3</sup> /hr
Capacity on engine power -20°C	1180 W		
Capacity on electrical stand by 0°C	1500 W		
Capacity on electrical stand by -20°C	650 W		
HEATING CAPACITY			
On the road	2200 W		
Electric Stand By Operation	1300 W		

#### TECHNICAL DATA

COMPRESSOR		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Model	QP08	Box volume	10 - 19 m <sup>3</sup>
Displacement	131 cm <sup>3</sup>	Refrigerant	R-452A
Number of cylinders	6	Airflow	1000 m <sup>3</sup> /hr
		Controller	DSR III
WEIGHT		DEFROST	
Installation kit	24 kg	Defrost	Automatic hot gas defrost
Condenser w/o electric stand-by	25 kg		
Condenser with electric stand-by	43 kg		
Evaporator	14 kg		
UNIT DIMENSIONS		ENGINE	
Height	242 mm	Rating	1.6 kW
Width	789 mm	no. of cylinders/displacement	6/82 cm <sup>3</sup>
Depth	500 mm		
Condenser Height	242 mm		
Condenser Width	789 mm		
Condenser Depth	500 mm		
Evaporator Height	187 mm		
Evaporator Width	755 mm		
Evaporator Depth	540 mm		

**DIRECT DRIVE TRUCK - SINGLE TEMPERATURE**

NOISE		REFRIGERANT	
Road Mode	84 dB(A)	Charge	1.2 kg

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
<b>LIFE COST MANAGEMENT</b>			
ThermoKare Service contracts			x
<b>DATA CAPTURE &amp; COMMUNICATIONS</b>			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
<b>LOAD PROTECTION</b>			
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



### V-200 MAX

#### Superior temperature control

The V-100, 200 and 300 series offer the optimal temperature control solution for trucks and vans up to 28m<sup>3</sup>. 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 SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		AIRFLOW INDEPENDENT FROM UNIT ENGINE SPEED	
Capacity on engine power 0°C	2770 W	Volume @ 0 Pa static pressure	1241 m <sup>3</sup> /hr
Capacity on engine power -20°C	1460 W		
Capacity on electrical stand by 0°C	1970 W		
Capacity on electrical stand by -20°C	1130 W		
HEATING CAPACITY			
On the road	2800 W		
Electric Stand By Operation	2050 W		

#### TECHNICAL DATA

COMPRESSOR		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Model	QP13	Box volume	13 - 22 m <sup>3</sup>
Displacement	131 cm <sup>3</sup>	Refrigerant	R-404A/R-452A
Number of cylinders	6	Airflow	1100 m <sup>3</sup> /hr
		Controller	DSR III
WEIGHT		DEFROST	
Model 30	25 kg	Defrost	Automatic hot gas defrost
Model 50	75 kg		
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		
UNIT DIMENSIONS		ELECTRICAL STAND BY MOTOR	
Height	222 mm	Voltage / Phase / Frequency	230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60
Width	1180 mm	Rating	3.7 kW
Depth	485 mm		
Condenser w/o electric stand-by Height	242 mm		
Condenser w/o electric stand-by Width	789 mm		
Condenser w/o electric stand-by Depth	500 mm		

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

Condenser with electric stand-by Height	221 mm
Condenser with electric stand-by Width	1180 mm
Condenser with electric stand-by Depth	485 mm
Evaporator Height	133 mm
Evaporator Width	985 mm
Evaporator Depth	525 mm
In-cab Controls Height	46 mm
In-cab Controls Width	135 mm
In-cab Controls Depth	25 mm

NOISE		REFRIGERANT	
Road Mode	85 dB(A)	Charge	10/30: 1.0 -- 20/50: 1.2 kg kg

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
<b>LIFE COST MANAGEMENT</b>			
ThermoKare Service contracts			x
<b>DATA CAPTURE &amp; COMMUNICATIONS</b>			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
<b>LOAD PROTECTION</b>			
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



### V-300

## Superior Temperature Control

The V-100, 200 and 300 series offer the optimal temperature control solution for trucks and vans up to 28m<sup>3</sup>. 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		INDEPENDENT FROM UNIT ENGINE SPEED	
Capacity on engine power 0°C	2965 W	Volume @ 0 Pa static pressure	2033 m <sup>3</sup> /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		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Model	QP15	Box volume	10 - 25 m <sup>3</sup>
Displacement	146.7 cm <sup>3</sup>	Refrigerant	R-134a
Number of cylinders	6	Airflow	1400 m <sup>3</sup> /hr
		Controller	DSR III

WEIGHT		DEFROST	
Model 30	25 kg	Defrost	Automatic hot gas defrost
Model 50	75 kg		
Installation kit	24 kg		
Condenser w/o electric stand-by	30 kg		
Condenser with electric stand-by	70 kg		
Evaporator	18 kg		
Swash Plate Compressor	6.8 kg		

UNIT DIMENSIONS		ELECTRICAL STAND BY MOTOR	
Height	222 mm	Voltage / Phase / Frequency	230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60
Width	1180 mm	Rating	3.7 kW
Depth	485 mm		
Condenser w/o electric stand-by Height	242 mm		
Condenser w/o electric stand-by Width	789 mm		
Condenser w/o electric stand-by Depth	500 mm		
Condenser with electric stand-by Height	221 mm		
Condenser with electric stand-by Width	1180 mm		
Condenser with electric stand-by Depth	485 mm		
Evaporator Height	178 mm		
Evaporator Width	985 mm		
Evaporator Depth	551 mm		
In-cab Controls Height	46 mm		

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

In-cab Controls Width	135 mm
In-cab Controls Depth	25 mm

NOISE		REFRIGERANT	
Road Mode	85 dB(A)	Charge	10: 1.1 -- 20: 1.3 kg

### AVAILABLE EVAP CONFIGURATIONS

ES300

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
<b>LIFE COST MANAGEMENT</b>			
ThermoKare Service contracts			x
<b>DATA CAPTURE &amp; COMMUNICATIONS</b>			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
<b>LOAD PROTECTION</b>			
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



### V-300 MAX

#### Superior temperature control

The V-100, 200 and 300 series offer the optimal temperature control solution for trucks and vans up to 28m

- 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

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

##### AIRFLOW

INDEPENDENT FROM UNIT ENGINE SPEED

Volume @ 0 Pa static pressure	1379 m <sup>3</sup> /hr
-------------------------------	-------------------------

##### HEATING CAPACITY

On the road	3100 W
Electric Stand By Operation	2250 W

#### TECHNICAL DATA

##### COMPRESSOR

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

##### GENERIC (BOXLENGTH, REFRIGERANT, ...)

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

##### WEIGHT

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

##### DEFROST

Defrost	Automatic hot gas defrost
---------	---------------------------

##### UNIT DIMENSIONS

Height	222 mm
Width	1180 mm
Depth	485 mm
Condenser w/o electric stand-by Height	242 mm
Condenser w/o electric stand-by Width	789 mm
Condenser w/o electric stand-by Depth	500 mm
Condenser with electric stand-by Height	221 mm
Condenser with electric stand-by Width	1180 mm
Condenser with electric stand-by Depth	485 mm

##### 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

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

Evaporator Height	178 mm
Evaporator Width	985 mm
Evaporator Depth	551 mm
In-cab Controls Height	46 mm
In-cab Controls Width	135 mm
In-cab Controls Depth	25 mm

NOISE		REFRIGERANT	
Road Mode	85 dB(A)	Charge	10/30: 1.1 -- 20/50: 1.3 kg

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
<b>LIFE COST MANAGEMENT</b>			
ThermoKare Service contracts			x
<b>DATA CAPTURE &amp; COMMUNICATIONS</b>			
USB Datalogger			x
TouchPrint data logger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
<b>LOAD PROTECTION</b>			
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	

## V-400X



High performance, sustainable refrigeration with precise temperature control

The in-cab controller enables single- and multi-temperature control within 1°C. Low noise, zero exhaust emissions, and no engine reduce the ecological footprint of the VX-Series. The ultra-light and compact units enable you to maximize your payload. The future-proof aerodynamic design has been developed to meet the needs of daily operations.

### PERFORMANCE

#### REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	3212 W
Capacity on engine power -20°C	Not applicable W
Capacity on electrical stand by 0°C	2366 W
Capacity on electrical stand by -20°C	Not applicable W

#### AIRFLOW

INDEPENDENT FROM UNIT ENGINE SPEED

Airflow	1990 m <sup>3</sup> /hr
Volume @ 0 Pa static pressure	1990 m <sup>3</sup> /hr

### TECHNICAL DATA

#### HIGH SPEED DIESEL CAPACITY

Cooling Capacity HSD 0°/30°

3212

#### GENERIC (BOXLENGTH, REFRIGERANT, ...)

Airflow

1990 m<sup>3</sup>/hr

#### WEIGHT

Total Unit Weight (30 Model)

25

#### REFRIGERANT

Refrigerant Weight

1.3

Total Unit Weight (50 Model)

75

Model 50

75 kg

### AVAILABLE EVAP CONFIGURATIONS

ES100

ES200

ES300

## V-400X MAX



High performance, sustainable refrigeration with precise temperature control

The in-cab controller enables single- and multi-temperature control within 1°C. Low noise, zero exhaust emissions, and no engine reduce the ecological footprint of the VX-Series. The ultra-light and compact units enable you to maximize your payload. The future-proof aerodynamic design has been developed to meet the needs of daily operations.

### PERFORMANCE

#### REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	4082 W
Capacity on engine power -20°C	2237 W
Capacity on electrical stand by 0°C	3026 W
Capacity on electrical stand by -20°C	1496 W

#### AIRFLOW

INDEPENDENT FROM UNIT ENGINE SPEED

Volume @ 0 Pa static pressure	1990 m <sup>3</sup> /hr
-------------------------------	-------------------------

### TECHNICAL DATA

#### GENERIC (BOXLENGTH, REFRIGERANT, ...)

Airflow

1990 m<sup>3</sup>/hr

#### WEIGHT

Model 50

75 kg

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

### V-500X



**CONDENSER** Width 1864 mm x Depth 588 mm x Height 536 mm

High performance, sustainable refrigeration with precise temperature control

The in-cab controller enables single- and multi-temperature control within 1°C. Low noise, zero exhaust emissions, and no engine reduce the ecological footprint of the VX-Series. The ultra-light and compact units enable you to maximize your payload. The future-proof aerodynamic design has been developed to meet the needs of daily operations.

#### PERFORMANCE

REFRIGERATION CAPACITY SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		AIRFLOW INDEPENDENT FROM UNIT ENGINE SPEED	
Capacity on engine power 0°C	4190 W	Volume @ 0 Pa static pressure	2353 m <sup>3</sup> /hr
Capacity on engine power -20°C	Not applicable W		
Capacity on electrical stand by 0°C	2560 W		
Capacity on electrical stand by -20°C	Not applicable W		

#### TECHNICAL DATA

COMPRESSOR		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Model	QP25	Refrigerant	R-134a
Displacement	250 cm <sup>3</sup>	Airflow	2353 m <sup>3</sup> /hr
Number of cylinders	10	Controller	DSR III
WEIGHT		DEFROST	
Total Unit Weight (30 Model)	53	Defrost	Automatic hot gas defrost
Model 50	125 kg		
Condenser w/o electric stand-by	96 kg		
Condenser with electric stand-by	205 kg		
Evaporator	50 kg		
Swash Plate Compressor	8.7 kg		
UNIT DIMENSIONS		ELECTRICAL STAND BY MOTOR	
Condenser Height	536 mm	Voltage / Phase / Frequency	400/3/50 - 230/3/50 - 400/3/60 - 230/3/60
Condenser Width	1864 mm	Rating	8,8 kW
Condenser Depth	588 mm		
REFRIGERANT			
Charge	10: 5.4 // 20: 5.7 kg		

#### AVAILABLE EVAP CONFIGURATIONS

ES500

## V-500X MAX



High performance, sustainable refrigeration with precise temperature control

The in-cab controller enables single- and multi-temperature control within 1°C. Low noise, zero exhaust emissions, and no engine reduce the ecological footprint of the VX-Series. The ultra-light and compact units enable you to maximize your payload. The future-proof aerodynamic design has been developed to meet the needs of daily operations.

### PERFORMANCE

#### REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	5440 W
Capacity on engine power -20°C	3030 W
Capacity on electrical stand by 0°C	3450 W
Capacity on electrical stand by -20°C	1640 W

#### AIRFLOW

INDEPENDENT FROM UNIT ENGINE SPEED

Airflow HSD	2353
Volume @ 0 Pa static pressure	2353 m <sup>3</sup> /hr

### TECHNICAL DATA

#### GENERIC (BOXLENGTH, REFRIGERANT, ...)

Airflow

2353 m<sup>3</sup>/hr

#### WEIGHT

Model 50

125 kg

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



**CONDENSER** Width 1339 mm x Depth 475 mm x Height 448 mm

## V-500 MAX

### V-500 Series: taking care of all your needs

The enhanced V-500 Series units from Thermo King - a more efficient range of vehicle-powered temperature control units for 3 metre to 6.5 metre rigid trucks hauling fresh or frozen loads, delivering top performance, reliability and ease-of-use. These units also allow users to increase energy efficiency and sustainability.

- More environmentally friendly
- Superior performance
- Enhanced heating capacity
- Guaranteed reliability
- Spectrum versions available

#### PERFORMANCE

##### REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	4890 W
Capacity on engine power -20°C	2630 W
Capacity on electrical stand by 0°C	4215 W
Capacity on electrical stand by -20°C	1830 W

##### HEATING CAPACITY

On the road	3600 W
Electric Stand By Operation	3120 W

#### TECHNICAL DATA

##### COMPRESSOR

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

##### GENERIC (BOXLENGTH, REFRIGERANT, ...)

Box volume	25 - 42 m <sup>3</sup>
Refrigerant	R-404A/R-452A
Airflow	2200 m <sup>3</sup> /hr
Controller	DSR III

##### WEIGHT

Condenser w/o electric stand-by	53 kg
Condenser with electric stand-by	125 kg
Evaporator	25.5 kg
Swash Plate Compressor	7.1 kg

##### DEFROST

Defrost	Automatic hot gas defrost
---------	---------------------------

##### UNIT DIMENSIONS

Height	448 mm
Width	1339 mm
Depth	475 mm
Condenser Height	448 mm
Condenser Width	1339 mm
Condenser Depth	475 mm
Evaporator Height	226 mm
Evaporator Width	1336 mm
Evaporator Depth	596 mm
In-cab Controls Height	46 mm
In-cab Controls Width	135 mm
In-cab Controls Depth	25 mm

##### ELECTRICAL STAND BY MOTOR

Voltage / Phase / Frequency	400/3/50 -- 380/3/60 -- 230/3/50 -- 230/3/60 -- 230/1/50 -- 230/1/60
Rating	6.4 kW

**DIRECT DRIVE TRUCK - SINGLE TEMPERATURE**

**REFRIGERANT**

Charge

10: 2.1 -- 20/30: 2.2 -- 50: 2.3  
kg

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

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

## V-600X MAX



High performance, sustainable refrigeration with precise temperature control

The in-cab controller enables single- and multi-temperature control within 1°C. Low noise, zero exhaust emissions, and no engine reduce the ecological footprint of the VX-Series. The ultra-light and compact units enable you to maximize your payload. The future-proof aerodynamic design has been developed to meet the needs of daily operations.

### PERFORMANCE

#### REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	6538 W
Capacity on engine power -20°C	3473 W
Capacity on electrical stand by 0°C	4105 W
Capacity on electrical stand by -20°C	1916 W

#### AIRFLOW

INDEPENDENT FROM UNIT ENGINE SPEED

Volume @ 0 Pa static pressure	2505 m <sup>3</sup> /hr
-------------------------------	-------------------------

### TECHNICAL DATA

#### GENERIC (BOXLENGTH, REFRIGERANT, ...)

Airflow	2505 m <sup>3</sup> /hr
---------	-------------------------

#### WEIGHT

Model 50	125 kg
----------	--------

### AVAILABLE EVAP CONFIGURATIONS

ES100N

ES150

ES300

ES500

ES600

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



**CONDENSER** Width 1339 mm x Depth 475 mm x Height 448 mm

## V-600 MAX

### Enhanced product positioning to address non-diesel trend

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.

- 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

### PERFORMANCE

REFRIGERATION CAPACITY		HEATING CAPACITY	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT			
Capacity on engine power 0°C	5910 W	On the road	4000 W
Capacity on engine power -20°C	3280 W	Electric Stand By Operation	3200 W
Capacity on electrical stand by 0°C	4970 W		
Capacity on electrical stand by -20°C	2550 W		

### TECHNICAL DATA

COMPRESSOR		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Model	QP16	Box volume	30 - 48 m <sup>3</sup>
Displacement	163 cm <sup>3</sup>	Refrigerant	R-404A/R-452A
Number of cylinders	6	Airflow	2580 m <sup>3</sup> /hr
		Controller	DSR III
WEIGHT		DEFROST	
Condenser w/o electric stand-by	53 kg	Defrost	Automatic hot gas defrost
Condenser with electric stand-by	125 kg		
Evaporator ES600 MAX	28 kg		
Swash Plate Compressor	7.1 kg		
UNIT DIMENSIONS		ELECTRICAL STAND BY MOTOR	
Height	448 mm	Voltage / Phase / Frequency	230/1/50 -- 230/1/60 -- 400/3/50 -- 380/3/60 -- 230/3/50 -- 230/3/60
Width	1339 mm	Rating	6.4 kW
Depth	475 mm		
Condenser Height	448 mm		
Condenser Width	1339 mm		
Condenser Depth	475 mm		
Evaporator ES600 MAX Height	240 mm		
Evaporator ES600 MAX Width	1330.5 mm		

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

Evaporator ES600 MAX Depth	592 mm
In-cab Controls Height	46 mm
In-cab Controls Width	135 mm
In-cab Controls Depth	25 mm

REFRIGERANT	
Charge	10: 2.2 -- 20/30: 2.3 -- 50: 2.4 kg

## DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
<b>LIFE COST MANAGEMENT</b>			
ThermoKare Service contracts			x
<b>DATA CAPTURE &amp; COMMUNICATIONS</b>			
USB Datalogger			x
TKDL Datalogger			x
Wintrac (data analysis software)			x
Datalogger Jr			x
<b>LOAD PROTECTION</b>			
Bumper feet roof mounting	x		
HMI holder	x		
Kit hoses large (upgrade)	x		
Kit swivel manifold (upgrade)	x		
Din Adapter		x	
Hose Cover		x	
Door switches		x	