

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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	365

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	1 603
Capacity on engine power -20°C	W	671
Capacity on electrical stand by 0°C	W	910
Capacity on electrical stand by -20°C	W	365

Airflow

Independent from unit engine speed

Airflow	m^3/hr	745
Volume @ 0 Pa static pressure	m^3/hr	745

TECHNICAL DATA

Cooling Capacity

@ ambient temperature +37.8°C (100°F)

Cooling Capacity 0°/30°	Watt	910

Generic (Boxlength, Refrigerant, ...)

Airflow	m^3/hr	745

Weight

Total Unit Weight (30 Model)		23
Model 50	kg	23

Refrigerant

Refrigerant Weight		0.62
Refrigerant Type		R-134a
GWP/kg		1 430
Refrigerant GWP (Total)		887

AVAILABLE EVAP CONFIGURATIONS

ES100

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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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	770

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	2 368
Capacity on engine power -20°C	W	1 001
Capacity on electrical stand by 0°C	W	1 937
Capacity on electrical stand by -20°C	W	770

Airflow

Independent from unit engine speed

Airflow	m^3/hr	1 100
Volume @ 0 Pa static pressure	m^3/hr	1 100

TECHNICAL DATA

Generic (Boxlength, Refrigerant, ...)

Airflow	m^3/hr	1 100

Weight

Total Unit Weight (30 Model)		23
Model 50	kg	23

Refrigerant

Refrigerant Weight		0.95
Refrigerant Type		R-134a
GWP/kg		1 430
Refrigerant GWP (Total)		1 359

AVAILABLE EVAP CONFIGURATIONS

ES200

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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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	845

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	2 793
Capacity on engine power -20°C	W	1 204
Capacity on electrical stand by 0°C	W	2 140
Capacity on electrical stand by -20°C	W	845

Airflow

Independent from unit engine speed

Airflow	m^3/hr	1 400
Volume @ 0 Pa static pressure	m^3/hr	1 400

TECHNICAL DATA

Generic (Boxlength, Refrigerant, ...)

Airflow	m^3/hr	1 400

Weight

Total Unit Weight (30 Model)		23
Model 50	kg	23

Refrigerant

Refrigerant Weight		1.2
Refrigerant Type		R-134a
GWP/kg		1 430
Refrigerant GWP (Total)		1 716

AVAILABLE EVAP CONFIGURATIONS

ES300

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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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	Not available

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	3 201
Capacity on engine power -20°C	W	1 434

Airflow

Independent from unit engine speed

Airflow	m^3/hr	1 650
Volume @ 0 Pa static pressure	m^3/hr	1 650

TECHNICAL DATA

Generic (Boxlength, Refrigerant, ...)

Airflow	m^3/hr	1 650

Weight

Total Unit Weight (30 Model)		31
Model 50	kg	31

Refrigerant

Refrigerant Weight		1.2
Refrigerant Type		R-134a
GWP/kg		1 430
Refrigerant GWP (Total)		1 716

AVAILABLE EVAP CONFIGURATIONS

ES300

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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)

PERFORMANCE

(Electric) Stand-by Capacity .		
Cooling Capacity stand-by -20°/30°	W	Not available

Airflow Independent from unit engine speed		
Airflow	m^3/hr	1 650

TECHNICAL DATA

Weight		
Total Unit Weight (30 Model)		31

Refrigerant		
Refrigerant Weight		1.3
Refrigerant Type		R-134a
GWP/kg		1 430
Refrigerant GWP (Total)		1 859

AVAILABLE EVAP CONFIGURATIONS

ES400

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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)

PERFORMANCE

(Electric) Stand-by Capacity .		
Cooling Capacity stand-by -20°/30°	W	Not available

Airflow Independent from unit engine speed		
Airflow	m^3/hr	1 650

TECHNICAL DATA

Weight		
Total Unit Weight (30 Model)		31

Refrigerant		
Refrigerant Weight		1.6
Refrigerant Type		R-134a
GWP/kg		1 430
Refrigerant GWP (Total)		2 288

AVAILABLE EVAP CONFIGURATIONS

ES500

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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)

PERFORMANCE

(Electric) Stand-by Capacity .		
Cooling Capacity stand-by -20°/30°	W	Not available

Airflow Independent from unit engine speed		
Airflow	m^3/hr	1 650

TECHNICAL DATA

Weight		
Total Unit Weight (30 Model)		31

Refrigerant		
Refrigerant Weight		1.9
Refrigerant Type		R-404a/R-452a
GWP/kg		2 140
Refrigerant GWP (Total)		4 066

AVAILABLE EVAP CONFIGURATIONS

ES600

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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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	770

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	2 255
Capacity on engine power -20°C	W	945
Capacity on electrical stand by 0°C	W	1 850
Capacity on electrical stand by -20°C	W	685

Airflow

Independent from unit engine speed

Volume @ 0 Pa static pressure	m^3/hr	1 210

TECHNICAL DATA

Cooling Capacity

@ ambient temperature +37.8°C (100°F)

Cooling Capacity 0°/30°	Watt	1 937

Compressor

Model		QP13
Displacement	cm^3	131
Number of cylinders		6

Generic (Boxlength, Refrigerant, ...)

Box volume	m^3	9 - 18
Refrigerant		R-134a
Airflow	m^3/hr	1 241
Controller		DSR III

Weight

Total Unit Weight (30 Model)		25
Total Unit Weight (50 Model)		75
Model 30	kg	25
Model 50	kg	75
Installation kit	kg	24
Condenser w/o electric stand-by	kg	25
Condenser with electric stand-by	kg	43
Evaporator	kg	15
Swash Plate Compressor	kg	6.9

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

Height	mm	222
Width	mm	1 180
Depth	mm	485
Condenser w/o electric stand-by Height	mm	242
Condenser w/o electric stand-by Width	mm	789
Condenser w/o electric stand-by Depth	mm	500
Condenser with electric stand-by Height	mm	221
Condenser with electric stand-by Width	mm	1 180
Condenser with electric stand-by Depth	mm	485

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Evaporator Height	mm	133
Evaporator Width	mm	985
Evaporator Depth	mm	525
In-cab Controls Height	mm	46
In-cab Controls Width	mm	135
In-cab Controls Depth	mm	25

Electrical Stand by Motor		
Voltage / Phase / Frequency		230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60
Rating	kW	3.7

Noise		
Road Mode	dB(A)	85

Refrigerant		
Refrigerant Weight		1
Refrigerant Type		R-134a
Charge	kg	10: 1.0 -- 20: 1.2
GWP/kg		1 430
Refrigerant GWP (Total)		1 430

AVAILABLE EVAP CONFIGURATIONS

ES100, ES100N, ES200

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DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
ThermoKare Service contracts			×
Data capture & communications			
USB Datalogger			×
TouchPrint data logger			×
Wintrac (data analysis software)			×
Datalogger Jr			×
Load Protection			
Hose extention 2 m/4 m/6 m		×	
Bumper feet roof mounting	×		
HMI holder	×		
Kit hoses large (upgrade)	×		
Kit swivel manifold (upgrade)	×		
Din Adapter		×	
Hose Cover		×	
Muffler kit		×	
Snow Cover (kit deflector Small)		×	
Harness Extension 2m/4m/6m		×	
Door switches		×	

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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 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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	670

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	2 410
Capacity on engine power -20°C	W	1 180
Capacity on electrical stand by 0°C	W	1 500
Capacity on electrical stand by -20°C	W	650

Airflow

Independent from unit engine speed

Volume @ 0 Pa static pressure	m^3/hr	1 001

Heating Capacity

Heating Capacity 18°/-18° (2400rpm)		2 200
On the road	W	2 200
Electric Stand By Operation	W	1 300

TECHNICAL DATA

Compressor

Model		QP08
Displacement	cm^3	131
Number of cylinders		6

Generic (Boxlength, Refrigerant, ...)

Box volume	m^3	10 - 19
Refrigerant		R-452A
Airflow	m^3/hr	1 000
Controller		DSR III

Weight

Total Unit Weight (30 Model)		25
Total Unit Weight (50 Model)		43
Installation kit	kg	24
Condenser w/o electric stand-by	kg	25
Condenser with electric stand-by	kg	43
Evaporator	kg	14

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

Height	mm	242
Width	mm	789
Depth	mm	500
Condenser Height	mm	242
Condenser Width	mm	789
Condenser Depth	mm	500
Evaporator Height	mm	187
Evaporator Width	mm	755

Engine

Rating	kW	1.6
no. of cylinders/displacement	cm^3	6/82

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Evaporator Depth	mm	540

Noise		
Road Mode	dB(A)	84

Refrigerant		
Refrigerant Weight		1.1
Refrigerant Type		R-452A
Charge	kg	1.2
GWP/kg		2 140
Refrigerant GWP (Total)		2 354

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DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
ThermoKare Service contracts			×
Data capture & communications			
USB Datalogger			×
TouchPrint data logger			×
Wintrac (data analysis software)			×
Datalogger Jr			×
Load Protection			
Bumper feet roof mounting	×		
HMI holder	×		
Kit hoses large (upgrade)	×		
Kit swivel manifold (upgrade)	×		
Din Adapter		×	
Hose Cover		×	
Muffler kit		×	
Snow Cover (kit deflector Small)		×	
Door switches		×	

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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 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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	1 161

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	2 770
Capacity on engine power -20°C	W	1 460
Capacity on electrical stand by 0°C	W	1 970
Capacity on electrical stand by -20°C	W	1 130

Airflow

Independent from unit engine speed

Volume @ 0 Pa static pressure	m^3/hr	1 241

Heating Capacity

Heating Capacity 18°/-18° (2400rpm)		2 800
On the road	W	2 800
Electric Stand By Operation	W	2 050

TECHNICAL DATA

Compressor

Model		QP13
Displacement	cm^3	131
Number of cylinders		6

Generic (Boxlength, Refrigerant, ...)

Box volume	m^3	13 - 22
Refrigerant		R-404A/R-452A
Airflow	m^3/hr	1 100
Controller		DSR III

Weight

Total Unit Weight (30 Model)		25
Total Unit Weight (50 Model)		75
Model 30	kg	25
Model 50	kg	75
Installation kit	kg	24
Condenser w/o electric stand-by	kg	25
Condenser with electric stand-by	kg	43
Evaporator	kg	15
Swash Plate Compressor	kg	6.9

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

Height	mm	222
Width	mm	1 180
Depth	mm	485
Condenser w/o electric stand-by Height	mm	242

Electrical Stand by Motor

Voltage / Phase / Frequency		230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60

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DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

Condenser w/o electric stand-by Width	mm	789
Condenser w/o electric stand-by Depth	mm	500
Condenser with electric stand-by Height	mm	221
Condenser with electric stand-by Width	mm	1 180
Condenser with electric stand-by Depth	mm	485
Evaporator Height	mm	133
Evaporator Width	mm	985
Evaporator Depth	mm	525
In-cab Controls Height	mm	46
In-cab Controls Width	mm	135
In-cab Controls Depth	mm	25

Rating	kW	3.7

Noise		
Road Mode	dB(A)	85

Refrigerant		
Refrigerant Weight		1
Refrigerant Type		R-452A
Charge	kg	10/30: 1.0 -- 20/50: 1.2 kg
GWP/kg		2 140
Refrigerant GWP (Total)		2 140

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DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
ThermoKare Service contracts			×
Data capture & communications			
USB Datalogger			×
TouchPrint data logger			×
Wintrac (data analysis software)			×
Datalogger Jr			×
Load Protection			
Hose extention 2 m/4 m/6 m		×	
Bumper feet roof mounting	×		
HMI holder	×		
Kit hoses large (upgrade)	×		
Kit swivel manifold (upgrade)	×		
Din Adapter		×	
Hose Cover		×	
Muffler kit		×	
Snow Cover (kit deflector Small)		×	
Harness Extension 2m/4m/6m		×	
Door switches		×	

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V-300

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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	845

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	2 965
Capacity on engine power -20°C	W	1 260
Capacity on electrical stand by 0°C	W	2 090
Capacity on electrical stand by -20°C	W	865

Airflow

Independent from unit engine speed

Airflow	m^3/hr	2 033
Volume @ 0 Pa static pressure	m^3/hr	2 033

TECHNICAL DATA

Cooling Capacity

@ ambient temperature +37.8°C (100°F)

Cooling Capacity 0°/30°	Watt	2 140

Compressor

Model		QP15
Displacement	cm^3	146.7
Number of cylinders		6

Generic (Boxlength, Refrigerant, ...)

Box volume	m^3	10 - 25
Refrigerant		R-134a
Airflow	m^3/hr	1 400
Controller		DSR III

Weight

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

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

Height	mm	222
Width	mm	1 180
Depth	mm	485
Condenser w/o electric stand-by Height	mm	242
Condenser w/o electric stand-by Width	mm	789
Condenser w/o electric stand-by Depth	mm	500
Condenser with electric stand-by Height	mm	221
Condenser with electric stand-by Width	mm	1 180

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Condenser with electric stand-by Depth	mm	485
Evaporator Height	mm	178
Evaporator Width	mm	985
Evaporator Depth	mm	551
In-cab Controls Height	mm	46
In-cab Controls Width	mm	135
In-cab Controls Depth	mm	25

Electrical Stand by Motor		
Voltage / Phase / Frequency		230/1/50 -- 230/1/60 -- 400/3/50 -- 230/3/50 -- 230/3/60
Rating	kW	3.7

Noise		
Road Mode	dB(A)	85

Refrigerant		
Refrigerant Weight		1.3
Refrigerant Type		R-134a
Charge	kg	10: 1.1 -- 20: 1.3
GWP/kg		1 430
Refrigerant GWP (Total)		1 859

AVAILABLE EVAP CONFIGURATIONS

ES300

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DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
ThermoKare Service contracts			×
Data capture & communications			
USB Datalogger			×
TouchPrint data logger			×
Wintrac (data analysis software)			×
Datalogger Jr			×
Load Protection			
Hose extention 2 m/4 m/6 m		×	
Bumper feet roof mounting	×		
HMI holder	×		
Kit hoses large (upgrade)	×		
Kit swivel manifold (upgrade)	×		
Din Adapter		×	
Hose Cover		×	
Muffler kit		×	
Snow Cover (kit deflector Small)		×	
Harness Extension 2m/4m/6m		×	
Door switches		×	

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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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	1 435

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	3 330
Capacity on engine power -20°C	W	1 840
Capacity on electrical stand by 0°C	W	2 840
Capacity on electrical stand by -20°C	W	1 235

Airflow

Independent from unit engine speed

Airflow	m^3/hr	1 379
Volume @ 0 Pa static pressure	m^3/hr	1 379

Heating Capacity

Heating Capacity 18°/-18° (2400rpm)		3 100
On the road	W	3 100
Electric Stand By Operation	W	2 250

TECHNICAL DATA

Compressor

Model		QP15
Displacement	cm^3	146.7
Number of cylinders		6

Generic (Boxlength, Refrigerant, ...)

Box volume	m^3	17 - 28
Refrigerant		R-452A
Airflow	m^3/hr	1 400
Controller		DSR III

Weight

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

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

Height	mm	222
Width	mm	1 180
Depth	mm	485
Condenser w/o electric stand-by Height	mm	242
Condenser w/o electric stand-by Width	mm	789
Condenser w/o electric stand-by Depth	mm	500
Condenser with electric stand-by Height	mm	221
Condenser with electric stand-by Width	mm	1 180
Condenser with electric stand-by Depth	mm	485
Evaporator Height	mm	178

Electrical Stand by Motor

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

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DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

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

Noise		
Road Mode	dB(A)	85

Refrigerant		
Refrigerant Weight		1.3
Refrigerant Type		R-452A
Charge	kg	10/30: 1.1 -- 20/50: 1.3
GWP/kg		2 140
Refrigerant GWP (Total)		2 782

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DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
ThermoKare Service contracts			×
Data capture & communications			
USB Datalogger			×
TouchPrint data logger			×
Wintrac (data analysis software)			×
Datalogger Jr			×
Load Protection			
Hose extention 2 m/4 m/6 m		×	
Bumper feet roof mounting	×		
HMI holder	×		
Kit hoses large (upgrade)	×		
Kit swivel manifold (upgrade)	×		
Din Adapter		×	
Hose Cover		×	
Muffler kit		×	
Snow Cover (kit deflector Small)		×	
Harness Extension 2m/4m/6m		×	
Door switches		×	

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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

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	3 212

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	Not Applicable

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	3 212
Capacity on engine power -20°C	W	Not applicable
Capacity on electrical stand by 0°C	W	2 366
Capacity on electrical stand by -20°C	W	Not applicable

Airflow

Independent from unit engine speed

Airflow	m^3/hr	1 990
Airflow HSD		1 990
Volume @ 0 Pa static pressure	m^3/hr	1 990

TECHNICAL DATA

Generic (Boxlength, Refrigerant, ...)

Airflow	m^3/hr	1 990

Weight

Total Unit Weight (30 Model)		25
Total Unit Weight (50 Model)		75
Model 50	kg	75

Refrigerant

Refrigerant Weight		1.3
Refrigerant Type		R-134a
GWP/kg		1 430
Refrigerant GWP (Total)		1 859

AVAILABLE EVAP CONFIGURATIONS

ES100, ES200, ES300

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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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	1 496

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	4 082
Capacity on engine power -20°C	W	2 237
Capacity on electrical stand by 0°C	W	3 026
Capacity on electrical stand by -20°C	W	1 496

Airflow

Independent from unit engine speed

Airflow HSD		1 990
Volume @ 0 Pa static pressure	m^3/hr	1 990

Heating Capacity

Heating Capacity 18°/-18° (2400rpm)		3 570

TECHNICAL DATA

Generic (Boxlength, Refrigerant, ...)

Airflow	m^3/hr	1 990

Weight

Total Unit Weight (50 Model)		75
Model 50	kg	75

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Condenser Width 1 864 mm x Depth 588 mm x Height 536 mm

V-500X

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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	Not Applicable

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	4 190
Capacity on engine power -20°C	W	Not applicable
Capacity on electrical stand by 0°C	W	2 560
Capacity on electrical stand by -20°C	W	Not applicable

Airflow

Independent from unit engine speed

Airflow	m^3/hr	2 353
Airflow HSD		2 353
Volume @ 0 Pa static pressure	m^3/hr	2 353

TECHNICAL DATA

Compressor

Model		QP25
Displacement	cm^3	250
Number of cylinders		10

Generic (Boxlength, Refrigerant, ...)

Refrigerant		R-134a
Airflow	m^3/hr	2 353
Controller		DSR III

Weight

Total Unit Weight (30 Model)		53
Total Unit Weight (50 Model)		125
Model 50	kg	125
Condenser w/o electric stand-by	kg	96
Condenser with electric stand-by	kg	205
Evaporator	kg	50
Swash Plate Compressor	kg	8.7

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

Condenser Height	mm	536
Condenser Width	mm	1 864
Condenser Depth	mm	588

Electrical Stand by Motor

Voltage / Phase / Frequency		400/3/50 - 230/3/50 - 400/3/60 - 230/3/60
Rating	kW	8,8

Refrigerant

Charge	kg	10: 5.4 // 20: 5.7

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DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

AVAILABLE EVAP CONFIGURATIONS
ES500

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V-500X MAX

High performance, sustainable refrigeration with precise temperature control

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PERFORMANCE

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	1 640

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	5 440
Capacity on engine power -20°C	W	3 030
Capacity on electrical stand by 0°C	W	3 450
Capacity on electrical stand by -20°C	W	1 640

Airflow

Independent from unit engine speed

Airflow	m^3/hr	2 353
Airflow HSD		2 353
Volume @ 0 Pa static pressure	m^3/hr	2 353

Heating Capacity

Heating Capacity 18°/-18° (2400rpm)		2 830

TECHNICAL DATA

Generic (Boxlength, Refrigerant, ...)

Airflow	m^3/hr	2 353

Weight

Total Unit Weight (30 Model)		53
Total Unit Weight (50 Model)		125
Model 50	kg	125

Refrigerant

Refrigerant Weight		2
Refrigerant Type		R-452a
GWP/kg		2 140
Refrigerant GWP (Total)		4 280

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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

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	1 916

Refrigeration Capacity

System net cooling capacity under A.T.P. conditions at 30 °C ambient

Capacity on engine power 0°C	W	6 538
Capacity on engine power -20°C	W	3 473
Capacity on electrical stand by 0°C	W	4 105
Capacity on electrical stand by -20°C	W	1 916

Airflow

Independent from unit engine speed

Airflow	m^3/hr	2 505
Airflow HSD		2 505
Volume @ 0 Pa static pressure	m^3/hr	2 505

Heating Capacity

Heating Capacity 18°/-18° (2400rpm)		4 360

TECHNICAL DATA

Cooling Capacity

@ ambient temperature +37.8°C (100°F)

Cooling Capacity 0°/30°	Watt	4 105

Generic (Boxlength, Refrigerant, ...)

Airflow	m^3/hr	2 505

Weight

Total Unit Weight (30 Model)		53
Total Unit Weight (50 Model)		125
Model 50	kg	125

Refrigerant

Refrigerant Weight		2.3
Refrigerant Type		R-452A
GWP/kg		2 140
Refrigerant GWP (Total)		4 922

AVAILABLE EVAP CONFIGURATIONS

ES100N, ES150, ES300, ES500, ES600

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