

E-1200e (E-2 + E-2)

The electric unit your truck can't resist

Full electric refrigeration units for Large Trucks

- 100% electric, 100% compatible
- Lean design with lower maintenance
- City Center Accessibility
- Real-time connectivity

PERFORMANCE

Refrigeration Capacity

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

Cooling Capacity High Speed 0°/30°	W	10 030
Cooling Capacity High Speed -20°/30°	W	6 150
Cooling Capacity Whisper Pro -20°/30°	W	5 100
Cooling Capacity Whisper Pro 0°/30°	W	8 500

Heating Capacity

Heating Capacity 18°/-18°	W	7 200

Airflow

Independent from unit engine speed

Airflow	m^3/hr	2 670

TECHNICAL DATA

Service Interval

Service Interval		1 year

Weight

Total unit weight with electric stand-by	kg	293
Total unit weight without electric stand-by	kg	258
Alternator (engine driven vehicles only)	kg	60

Unit Dimensions

Height	mm	612
Width	mm	2 142
Depth	mm	563

Noise

Sound Pressure Level LSD	dB(A)	56.2
Sound pressure level High Speed/Stand-by (DIN 8958@7m)	dB(A)	64
Sound pressure level Whisper Pro Mode	dB(A)	62

Refrigerant

Refrigerant Type		R-452A
Charge	kg	4,2
GWP/kg		1 945
Refrigerant GWP (Total)		8 169

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LARGE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Data capture & communications			
TracKing - 2 Years Contract	×		
TouchLog independent data logger			×
Customization			
Extended harnesses		×	

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E-1600e (E-3 + E-3)

The electric unit your truck can't resist

Full electric refrigeration units for Large Truck

- 100% electric, 100% compatible
- Sustainable
- Highly efficient
- PeaK compliant

PERFORMANCE

Refrigeration Capacity

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

Cooling Capacity High Speed 0°/30°	W	13 600
Cooling Capacity High Speed -20°/30°	W	8 270
Cooling Capacity Whisper Pro -20°/30°	W	6 900
Cooling Capacity Whisper Pro 0°/30°	W	11 000

Heating Capacity

Heating Capacity 18°/-18°	W	12 000

Airflow

Independent from unit engine speed

Airflow	m^3/hr	4 240

TECHNICAL DATA

Service Interval

Service Interval		1 year

Weight

Total unit weight with electric stand-by	kg	315
Total unit weight without electric stand-by	kg	280
Alternator (engine driven vehicles only)	kg	60

Unit Dimensions

Height	mm	612
Width	mm	2 142
Depth	mm	563

Noise

Sound Pressure Level LSD	dB(A)	56.2
Sound pressure level High Speed/Stand-by (DIN 8958@7m)	dB(A)	64
Sound pressure level Whisper Pro Mode	dB(A)	62

Refrigerant

Refrigerant Type		R-452A
Charge	kg	4,5
GWP/kg		1 945
Refrigerant GWP (Total)		8 752

AVAILABLE EVAP CONFIGURATIONS

E-3 + E-3

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LARGE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Data capture & communications			
TracKing - 2 Years Contract	×		
TouchLog independent data logger			×
Customization			
Extended harnesses		×	

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E-1200e SPECTRUM

The electric unit your truck can't resist

Full electric refrigeration units for Large Trucks

- Full electric multitemperature distribution
- Low weight for reduced fuel consumption
- Lean design with lower maintenance
- Real-time connectivity

PERFORMANCE

Refrigeration Capacity

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

Cooling Capacity High Speed 0°/30°	W	11 700
Cooling Capacity High Speed -20°/30°	W	6 750
Cooling Capacity Whisper Pro -20°/30°	W	5 300
Cooling Capacity Whisper Pro 0°/30°	W	9 600

Heating Capacity

Heating Capacity 18°/-18° E-2	W	3 600
Heating Capacity 18°/-18° E-3	W	6 000
Heating Capacity 18°/-18° E-4 (E-2 + E-2)	W	7 200

Airflow

Independent from unit engine speed

Airflow E-2 (@ 0 Pa static pressure)	m^3/hr	1 350
Airflow E-3 (@ 0 Pa static pressure)	m^3/hr	2 150
Airflow E-4 (E-2+E-2) (@ 0 Pa static pressure)	m^3/hr	2 670

TECHNICAL DATA

Service Interval

Service Interval		1 year

Weight

Total unit weight with electric stand-by	kg	235
Total unit weight without electric stand-by	kg	200
Alternator (engine driven vehicles only)	kg	60
Evaporator E-2	kg	29
Evaporator E-3	kg	40
Evaporator E 4 (E-2 + E-2)	kg	58

Unit Dimensions

Height	mm	612
Width	mm	2 142
Depth	mm	563
Evaporator E-2 (width x depth x height)	mm	700x995x195
Evaporator E-3 (width x depth x height)	mm	1095x995x195
Evaporator E-4 (E-2 + E-2) (width x depth x height)	mm	1450x995x195

Noise

Sound Pressure Level LSD	dB(A)	56.2
Sound pressure level High Speed/Stand-by (DIN 8958@7m)	dB(A)	64
Sound pressure level Whisper Pro Mode	dB(A)	62

Refrigerant

Refrigerant Type		R-452A
Charge	kg	5
GWP/kg		1 945
Refrigerant GWP (Total)		9 725

AVAILABLE EVAP CONFIGURATIONS

E-2, E-3, E-4 (E-2+E-2)

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LARGE TRUCK - MULTI TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Data capture & communications			
TracKing - 2 Years Contract	×		
TouchLog independent data logger			×
Customization			
Extended harnesses		×	

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E-1600e SPECTRUM

The electric unit your truck can't resist

Full electric refrigeration units for Large Trucks

- 100% electric, 100% compatible
- Multi-Temp Distribution
- Inverter technology for variable speed and fast pulldown
- Lean design with lower maintenance
- Real-time connectivity

PERFORMANCE

Refrigeration Capacity System net cooling capacity under A.T.P. conditions at 30 °C ambient		
Cooling Capacity High Speed 0°/30°	W	15 430
Cooling Capacity High Speed -20°/30°	W	9 470
Cooling Capacity Whisper Pro -20°/30°	W	7 300
Cooling Capacity Whisper Pro 0°/30°	W	11 200

Heating Capacity		
Heating Capacity 18°/-18° E-2	W	3 600
Heating Capacity 18°/-18° E-3	W	6 000
Heating Capacity 18°/-18° E-4 (E-2 + E-2)	W	7 200

Airflow Independent from unit engine speed		
Airflow E-2 (@ 0 Pa static pressure)	m^3/hr	1 350
Airflow E-3 (@ 0 Pa static pressure)	m^3/hr	2 150
Airflow E-4 (E-2+E-2) (@ 0 Pa static pressure)	m^3/hr	2 670

TECHNICAL DATA

Service Interval		
Service Interval		1 year

Weight		
Total unit weight with electric stand-by	kg	235
Total unit weight without electric stand-by	kg	200
Alternator (engine driven vehicles only)	kg	60
Evaporator E-2	kg	29
Evaporator E-3	kg	40
Evaporator E 4 (E-2 + E-2)	kg	58

Unit Dimensions		
Height	mm	612
Width	mm	2 142
Depth	mm	563
Evaporator E-2 (width x depth x height)	mm	700x995x195
Evaporator E-3 (width x depth x height)	mm	1095x995x195
Evaporator E-4 (E-2 + E-2) (width x depth x height)	mm	1450x995x195

Noise		
Sound Pressure Level LSD	dB(A)	56.2
Sound pressure level High Speed/Stand-by (DIN 8958@7m)	dB(A)	65
Sound pressure level Whisper Pro Mode	dB(A)	62

Refrigerant		
Refrigerant Type		R-452A
Charge	kg	6
GWP/kg		1 945
Refrigerant GWP (Total)		11 670

AVAILABLE EVAP CONFIGURATIONS

E-2, E-3, E-4 (E-2+E-2)

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LARGE TRUCK - MULTI TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Data capture & communications			
TracKing - 2 Years Contract	×		
TouchLog independent data logger			×
Customization			
Extended harnesses		×	

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T-600X

DELIVERING WHAT MATTERS

- Easy to service
- Engine compatible with biofuels
- Full tracking connectivity
- Low life cycle costs
- Low weight

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	7 610
Cooling Capacity HSD -20°/30°	W	3 960

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	3 140
Cooling Capacity stand-by 0°/30°	W	5 700

Airflow

Independent from unit engine speed

Airflow	m^3/hr	3 230

Heating Capacity

Heating Capacity 18°/-18°	W	3 075
with Water Heater kit	W	6 220

TECHNICAL DATA

Service Interval

Service Interval		2 000

Weight

Total Unit Weight	kg	436

Unit Dimensions

Height	mm	632
Width	mm	1 888
Depth	mm	919

Noise

Sound Power Level HSD	dB(A)	94.5
Sound Pressure Level HSD	dB(A)	67,9
Sound Pressure Level LSD	dB(A)	63,5
Sound Pressure Level Stand-by	dB(A)	59,4
Sound Power Level HSD (Whisper Kit)	dB(A)	93
Sound Pressure Level HSD (Whisper Kit)	dB(A)	66,2
Sound Pressure Level LSD (Whisper Kit)	dB(A)	61,7
Sound Pressure Level Stand-by (Whisper Kit)	dB(A)	57,8

Refrigerant

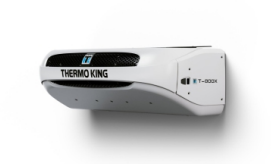
Refrigerant Type		R-452A
Charge	kg	2.9
GWP/kg		2 140
Refrigerant GWP (Total)		6.2

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LARGE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
TK Battery - EnergyOne Silver (Wet Cells 640CCA)	×		
TK Battery - EnergyOne Gold (Wet Cells 760 CCA)		×	
TK Battery - EnergyOne Platinum (AGM 880 CCA)		×	
ServiceWatch maintenance logger	×		
ThermoKare Service contracts			×
Cycle-Sentry start/stop control system	×		
EMI 2000 extended maintenance	×		
2-year warranty coverage	×		
Data capture & communications			
Tracking (tracking and load monitoring)			×
TouchPrint Printer			×
TouchPrint data logger			×
Wintrac (data analysis software)			×
Load Protection			
Standard in-cab display	×		
Premium in-cab display		×	
Water heater & heater bars kit (T-600X/T-800X only)		×	
Low ambient option		×	
Auto phase correction	×		
Door switches		×	×
Diesel/electric auto switching	×		
Customization			
Fuel tank plastic 90L		×	×
Fuel level sensor		×	×
Service support handle		×	×
Whisper noise attenuating kit		×	
Electronic Fuel Capture			×
Remote Status Light and Combination Display			×
Hose management kit		×	
Solar Panel			×
Body mount enclosure			×
Rear remote control		×	
Triple Combo Display			×

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T-800X

DELIVERING WHAT MATTERS

- Green Tech Engine
- Optimal temperature control
- Alternative power sources
- Engine compatible with biofuels
- Easy to service

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	8 610
Cooling Capacity HSD -20°/30°	W	4 080

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	3 150
Cooling Capacity stand-by 0°/30°	W	6 610

Airflow

Independent from unit engine speed

Airflow	m^3/hr	3 040

Heating Capacity

Heating Capacity 18°/-18°	W	3 075
with Water Heater kit	W	6 220

TECHNICAL DATA

Service Interval

Service Interval		2 000

Weight

Total Unit Weight	kg	440

Unit Dimensions

Height	mm	632
Width	mm	1 888
Depth	mm	919

Noise

Sound Power Level HSD	dB(A)	94.5
Sound Pressure Level HSD	dB(A)	67,9
Sound Pressure Level LSD	dB(A)	63,5
Sound Pressure Level Stand-by	dB(A)	59,4
Sound Power Level HSD (Whisper Kit)	dB(A)	93
Sound Pressure Level HSD (Whisper Kit)	dB(A)	66,2
Sound Pressure Level LSD (Whisper Kit)	dB(A)	61,7
Sound Pressure Level Stand-by (Whisper Kit)	dB(A)	57,8

Refrigerant

Refrigerant Type		R-452A
Charge	kg	3
GWP/kg		2 140
Refrigerant GWP (Total)		6.4

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LARGE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
TK Battery - EnergyOne Silver (Wet Cells 640CCA)	×		
TK Battery - EnergyOne Gold (Wet Cells 760 CCA)		×	
TK Battery - EnergyOne Platinum (AGM 880 CCA)		×	
ServiceWatch maintenance logger	×		
ThermoKare Service contracts			×
Cycle-Sentry start/stop control system	×		
EMI 2000 extended maintenance	×		
2-year warranty coverage	×		
Data capture & communications			
Tracking (tracking and load monitoring)			×
TouchPrint Printer			×
TouchPrint data logger			×
Wintrac (data analysis software)			×
Load Protection			
Standard in-cab display	×		
Premium in-cab display		×	
Water heater & heater bars kit (T-600X/T-800X only)		×	
Low ambient option		×	
Auto phase correction	×		
Door switches		×	×
Diesel/electric auto switching	×		
Customization			
Fuel tank plastic 90L		×	×
Fuel level sensor		×	×
Service support handle		×	×
Whisper noise attenuating kit		×	
Electronic Fuel Capture			×
Remote Status Light and Combination Display			×
Hose management kit		×	
Solar Panel			×
Body mount enclosure			×
Rear remote control		×	
Triple Combo Display			×

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T-1100X

DELIVERING WHAT MATTERS

- High Cooling Capacity
- Engine compatible with biofuels
- Extended Maintenance Intervall
- Sustainable
- Full Tracking Connectivity

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	11 090
Cooling Capacity HSD -20°/30°	W	5 900

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	4 430
Cooling Capacity stand-by 0°/30°	W	8 220

Airflow

Independent from unit engine speed

Airflow	m^3/hr	3 720

Heating Capacity

Heating Capacity 18°/-18°	W	6 000

TECHNICAL DATA

Service Interval

Service Interval		2 000

Weight

Total Unit Weight	kg	473

Unit Dimensions

Height	mm	692/704
Width	mm	1 888
Depth	mm	919

Noise

Sound Power Level HSD	dB(A)	97
Sound Pressure Level HSD	dB(A)	71.7
Sound Pressure Level LSD	dB(A)	65,6
Sound Pressure Level Stand-by	dB(A)	62,5
Sound Power Level HSD (Whisper Kit)	dB(A)	95
Sound Pressure Level HSD (Whisper Kit)	dB(A)	68,7
Sound Pressure Level LSD (Whisper Kit)	dB(A)	64,1
Sound Pressure Level Stand-by (Whisper Kit)	dB(A)	62,2

Refrigerant

Refrigerant Type		R-452A
Charge	kg	2.9
GWP/kg		2 140
Refrigerant GWP (Total)		6 206

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LARGE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
TK Battery - EnergyOne Silver (Wet Cells 640CCA)	×		
TK Battery - EnergyOne Gold (Wet Cells 760 CCA)		×	
TK Battery - EnergyOne Platinum (AGM 880 CCA)		×	
ServiceWatch maintenance logger	×		
ThermoKare Service contracts			×
Cycle-Sentry start/stop control system	×		
EMI 2000 extended maintenance	×		
2-year warranty coverage	×		
Data capture & communications			
Tracking (tracking and load monitoring)			×
TouchPrint Printer			×
TouchPrint data logger			×
Wintrac (data analysis software)			×
Load Protection			
Standard in-cab display	×		
Premium in-cab display		×	
Low ambient option		×	
Engine Block Heater (T-1100X/T-1300X ST & MT only)		×	
Auto phase correction	×		
Door switches		×	×
Diesel/electric auto switching	×		
Customization			
Fuel tank plastic 90L		×	×
Fuel level sensor		×	×
Service support handle		×	×
Whisper noise attenuating kit		×	
Electronic Fuel Capture			×
Remote Status Light and Combination Display			×
Hose management kit		×	
Solar Panel			×
Body mount enclosure			×
Rear remote control		×	
Triple Combo Display			×

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T-1300X

DELIVERING WHAT MATTERS

- High Cooling Capacity
- Green Tech Engine
- Full Tracking Connectivity
- Easy to service
- Alternative power sources

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	12 600
Cooling Capacity HSD -20°/30°	W	7 300

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	5 390
Cooling Capacity stand-by 0°/30°	W	10 080

Airflow

Independent from unit engine speed

Airflow	m^3/hr	3 430

Heating Capacity

Heating Capacity 18°/-18°	W	7 800

TECHNICAL DATA

Service Interval

Service Interval		2 000

Weight

Total Unit Weight	kg	476

Unit Dimensions

Height	mm	692/704
Width	mm	1 888
Depth	mm	919

Noise

Sound Power Level HSD	dB(A)	97
Sound Pressure Level HSD	dB(A)	71.7
Sound Pressure Level LSD	dB(A)	65,6
Sound Pressure Level Stand-by	dB(A)	62,5
Sound Power Level HSD (Whisper Kit)	dB(A)	95
Sound Pressure Level HSD (Whisper Kit)	dB(A)	68,9
Sound Pressure Level LSD (Whisper Kit)	dB(A)	63,8
Sound Pressure Level Stand-by (Whisper Kit)	dB(A)	60,4

Refrigerant

Refrigerant Type		R-452A
Charge	kg	3.2
GWP/kg		2 140
Refrigerant GWP (Total)		6 848

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LARGE TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
TK Battery - EnergyOne Silver (Wet Cells 640CCA)	×		
TK Battery - EnergyOne Gold (Wet Cells 760 CCA)		×	
TK Battery - EnergyOne Platinum (AGM 880 CCA)		×	
ServiceWatch maintenance logger	×		
ThermoKare Service contracts			×
Cycle-Sentry start/stop control system	×		
EMI 2000 extended maintenance	×		
2-year warranty coverage	×		
Data capture & communications			
TouchPrint Printer			×
TouchPrint data logger			×
TracKing? (tracking and load monitoring)			×
Wintrac (data analysis software)			×
Load Protection			
Standard in-cab display	×		
Premium in-cab display		×	
Low ambient option		×	
Engine Block Heater (T-1100X/T-1300X ST & MT only)		×	
Auto phase correction	×		
Door switches		×	×
Diesel/electric auto switching	×		
Customization			
Fuel tank plastic 90L		×	×
Fuel level sensor		×	×
Service support handle		×	×
Whisper noise attenuating kit		×	
Electronic Fuel Capture			×
Remote Status Light and Combination Display			×
Hose management kit		×	
Solar Panel			×
Body mount enclosure			×
Rear remote control		×	
Triple Combo Display			×

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T-800X Spectrum

DELIVERING WHAT MATTERS

- High Cooling Capacity
- Extended Maintenance Intervall
- Low weight
- Engine compatible with biofuels
- Sustainable

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	7 840
Cooling Capacity HSD -20°/30°	W	3 620

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	2 740
Cooling Capacity stand-by 0°/30°	W	6 280

Airflow

Independent from unit engine speed

Airflow S-2 (@ 0 Pa static pressure)	m^3/hr	1 230
Airflow S-3 (@ 0 Pa static pressure)	m^3/hr	1 785

Heating Capacity

Heating Capacity 18°/-18° S-2	W	4 800
Heating Capacity 18°/-18° S-3	W	8 050

TECHNICAL DATA

Service Interval

Service Interval		2 000

Weight

Total Unit Weight	kg	389
Evaporator S-2	kg	36
Evaporator S-3	kg	51

Unit Dimensions

Height	mm	632
Width	mm	1 888
Depth	mm	919
Evaporator S-2 (width x depth x height)	mm	760 x 1 000 x 200
Evaporator S-3 (width x depth x height)	mm	1 100 x 1 000 x 200

Noise

Sound Pressure Level HSD	dB(A)	67,9
Sound Pressure Level LSD	dB(A)	63,5
Sound Pressure Level Stand-by	dB(A)	59,4
Sound Power Level HSD (Whisper Kit)	dB(A)	93
Sound Pressure Level HSD (Whisper Kit)	dB(A)	66,2
Sound Pressure Level LSD (Whisper Kit)	dB(A)	61,7
Sound Pressure Level Stand-by (Whisper Kit)	dB(A)	57,8

Refrigerant

Refrigerant Type		R-452A
Charge	kg	6.25
GWP/kg		2 140
Refrigerant GWP (Total)		13,4

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LARGE TRUCK - MULTI TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
TK Battery - EnergyOne Silver (Wet Cells 640CCA)	×		
TK Battery - EnergyOne Gold (Wet Cells 760 CCA)		×	
TK Battery - EnergyOne Platinum (AGM 880 CCA)		×	
ServiceWatch maintenance logger	×		
ThermoKare Service contracts			×
Cycle-Sentry start/stop control system	×		
EMI 2000 extended maintenance	×		
2-year warranty coverage	×		
Data capture & communications			
TouchPrint Printer			×
TouchPrint data logger			×
TracKing? (tracking and load monitoring)			×
Wintrac (data analysis software)			×
Load Protection			
Premium in-cab display	×		
Low ambient option		×	
Engine Block Heater (T-1100X/T-1300X ST & MT only)		×	
Auto phase correction	×		
Door switches		×	×
Diesel/electric auto switching	×		
Customization			
Fuel tank plastic 90L		×	×
Fuel level sensor		×	×
Drain kit			×
Service support handle		×	×
Whisper noise attenuating kit		×	
Electronic Fuel Capture			×
Remote Status Light and Combination Display			×
Hose management kit		×	
Solar Panel			×
Evaporator guard			×
Body mount enclosure			×
Rear remote control		×	
Triple Combo Display			×

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T-1100X Spectrum

DELIVERING WHAT MATTERS

- High Cooling Capacity
- Extended Maintenance Intervall
- Low weight
- Engine compatible with biofuels
- Sustainable

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	12 310
Cooling Capacity HSD -20°/30°	W	6 790

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	4 720
Cooling Capacity stand-by 0°/30°	W	7 970

Airflow

Independent from unit engine speed

Airflow S-2 (@ 0 Pa static pressure)	m^3/hr	1 230
Airflow S-3 (@ 0 Pa static pressure)	m^3/hr	1 785
Airflow S-4.2 (@ 0 Pa static pressure)	m^3/hr	2 266
Airflow S-4 (@ 0 Pa static pressure)	m^3/hr	2 367

Heating Capacity

Heating Capacity 18°/-18° S-2	W	4 800
Heating Capacity 18°/-18° S-3	W	8 050
Heating Capacity 18°/-18° S-4.2	W	8 750
Heating Capacity 18°/-18° S-4	W	8 950

TECHNICAL DATA

Service Interval

Service Interval		2 000

Weight

Total Unit Weight	kg	430
Evaporator S-2	kg	36
Evaporator S-3	kg	51
Evaporator S-4.2	kg	54
Evaporator S-4	kg	72

Unit Dimensions

Height	mm	692/704
Width	mm	1 888
Depth	mm	919
Evaporator S-2 (width x depth x height)	mm	760 x 1 000 x 200
Evaporator S-3 (width x depth x height)	mm	1 100 x 1 000 x 200
Evaporator S-4.2 (width x depth x height)	mm	1 250 x 988 x 152
Evaporator S-4 (width x depth x height)	mm	2 x 760 x 1 000 x 200

Noise

Sound Power Level HSD	dB(A)	97
Sound Pressure Level HSD	dB(A)	71,7
Sound Pressure Level LSD	dB(A)	65,6
Sound Pressure Level Stand-by	dB(A)	62,5
Sound Power Level HSD (Whisper Kit)	dB(A)	95
Sound Pressure Level HSD (Whisper Kit)	dB(A)	68,7
Sound Pressure Level LSD (Whisper Kit)	dB(A)	64,1
Sound Pressure Level Stand-by (Whisper Kit)	dB(A)	62,2

Refrigerant

Refrigerant Type		R-452A
Charge	kg	6.25
GWP/kg		2 140
Refrigerant GWP (Total)		13 375

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LARGE TRUCK - MULTI TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
TK Battery - EnergyOne Silver (Wet Cells 640CCA)	×		
TK Battery - EnergyOne Gold (Wet Cells 760 CCA)		×	
TK Battery - EnergyOne Platinum (AGM 880 CCA)		×	
ServiceWatch maintenance logger	×		
ThermoKare Service contracts			×
Cycle-Sentry start/stop control system	×		
EMI 2000 extended maintenance	×		
2-year warranty coverage	×		
Data capture & communications			
Tracking (tracking and load monitoring)			×
TouchPrint Printer			×
TouchPrint data logger			×
Wintrac (data analysis software)			×
Load Protection			
Premium in-cab display	×		
Low ambient option		×	
Engine Block Heater (T-1100X/T-1300X ST & MT only)		×	
Auto phase correction	×		
Door switches		×	×
Diesel/electric auto switching	×		
Customization			
Fuel tank plastic 90L		×	×
Fuel level sensor		×	×
Drain kit			×
Service support handle		×	×
Whisper noise attenuating kit		×	
Electronic Fuel Capture			×
Remote Status Light and Combination Display			×
Hose management kit		×	
Solar Panel			×
Evaporator guard			×
Body mount enclosure			×
Rear remote control		×	
Triple Combo Display			×

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T-1300X Spectrum

DELIVERING WHAT MATTERS

- High Cooling Capacity
- Extended Maintenance Intervall
- Low weight
- Engine compatible with biofuels
- Sustainable

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	12 470
Cooling Capacity HSD -20°/30°	W	8 570

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	5 030
Cooling Capacity stand-by 0°/30°	W	10 770

Airflow

Independent from unit engine speed

Airflow S-2 (@ 0 Pa static pressure)	m^3/hr	1 230
Airflow S-3 (@ 0 Pa static pressure)	m^3/hr	1 785
Airflow S-4.2 (@ 0 Pa static pressure)	m^3/hr	2 266
Airflow S-4 (@ 0 Pa static pressure)	m^3/hr	2 334

Heating Capacity

Heating Capacity 18°/-18° S-2	W	4 800
Heating Capacity 18°/-18° S-3	W	8 050
Heating Capacity 18°/-18° S-4.2	W	8 750
Heating Capacity 18°/-18° S-4	W	8 950

TECHNICAL DATA

Service Interval

Service Interval		2 000

Weight

Total Unit Weight	kg	436

Unit Dimensions

Height	mm	692/704
Width	mm	1 888
Depth	mm	919

Noise

Sound Power Level HSD	dB(A)	97
Sound Pressure Level HSD	dB(A)	71,7
Sound Pressure Level LSD	dB(A)	65,6
Sound Pressure Level Stand-by	dB(A)	62,5
Sound Power Level HSD (Whisper Kit)	dB(A)	95
Sound Pressure Level HSD (Whisper Kit)	dB(A)	68,9
Sound Pressure Level LSD (Whisper Kit)	dB(A)	63,8
Sound Pressure Level Stand-by (Whisper Kit)	dB(A)	60,4

Refrigerant

Refrigerant Weight		6,25
Refrigerant Type		R-452A
GWP/kg		2 140
Refrigerant GWP (Total)		13 375

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LARGE TRUCK - MULTI TEMPERATURE

	STANDARD FEATURE	OPTION / FACTORY FITTED	OPTION / DEALER FITTED
Life cost management			
TK Battery - EnergyOne Silver (Wet Cells 640CCA)	×		
TK Battery - EnergyOne Gold (Wet Cells 760 CCA)		×	
TK Battery - EnergyOne Platinum (AGM 880 CCA)		×	
ServiceWatch maintenance logger	×		
ThermoKare Service contracts			×
Cycle-Sentry start/stop control system	×		
EMI 2000 extended maintenance	×		
2-year warranty coverage	×		
Data capture & communications			
Tracking (tracking and load monitoring)			×
TouchPrint Printer			×
TouchPrint data logger			×
Wintrac (data analysis software)			×
Load Protection			
Premium in-cab display	×		
Low ambient option		×	
Engine Block Heater (T-1100X/T-1300X ST & MT only)		×	
Auto phase correction	×		
Door switches		×	×
Diesel/electric auto switching	×		
Customization			
Fuel tank plastic 90L		×	×
Fuel level sensor		×	×
Drain kit			×
Service support handle		×	×
Whisper noise attenuating kit		×	
Electronic Fuel Capture			×
Remote Status Light and Combination Display			×
Hose management kit		×	
Solar Panel			×
Evaporator guard			×
Body mount enclosure			×
Rear remote control		×	
Triple Combo Display			×

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T-1300X Spectrum Whisper Pro

DELIVERING WHAT MATTERS

- Extended Maintenance Intervall
- High Cooling Capacity
- Engine compatible with biofuels
- Up to 60% further noise reduction
- PIEK Certified

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	11 480
Cooling Capacity HSD -20°/30°	W	6 920

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	4 760
Individual Evaporator Capacity Stand-by 0°/30°	W	7 390

Airflow

Independent from unit engine speed

Airflow HSD		1230/1785/2266/2334

Heating Capacity

Heating Capacity HSD 20°/-18°		7790/9190/9680/9770

TECHNICAL DATA

Generic (Boxlength, Refrigerant, ...)

Refrigerant		R-452A

Service Interval

Service Interval		2 000

Weight

Total Unit Weight (50 Model)		450

Unit Dimensions

Height	mm	704
Width	mm	1 888
Depth	mm	919

Noise

Sound Power Level HSD	dB(A)	92,6
Sound Pressure Level HSD	dB(A)	64,4
Sound Pressure Level LSD	dB(A)	56
Sound Pressure Level Stand-by	dB(A)	59,3

Refrigerant

Refrigerant Weight		6,25
GWP/kg		2 140
Refrigerant GWP (Total)		13 375

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Condenser Width 1 592 mm x Depth 523 mm x Height 458.7 mm

V-800

The most powerful vehicle powered range

The V-800 Series from Thermo King comprises two-piece split units designed for fresh, frozen and deep frozen applications on trucks. The road compressor is powered by the vehicle's engine and the electric stand-by compressor is powered by an electric motor. The V-800 Series is equipped with a new swash plate compressor and range of drive kits for ease of installation.

- New swash plate compressor for ease of installation
- Most powerful range in both cooling and heating modes
- User friendly and advanced controller: Direct Smart Reefer
- Environmentally friendly
- Superior performance
- A full range available

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	5 175
Capacity on electrical stand by 0°C	W	4 920

Airflow

Independent from unit engine speed

Airflow	m^3/hr	2 730

Heating Capacity

Heating Capacity 18°/-18° (2400rpm)		Not applicable

TECHNICAL DATA

Compressor

Model		QP21
Displacement	cm^3	215
Number of cylinders		10

Generic (Boxlength, Refrigerant, ...)

Box volume	m^3	44
Refrigerant		R-134a
Airflow	m^3/hr	2 680
Controller		DSR III

Weight

Total Unit Weight (30 Model)		100
Total Unit Weight (50 Model)		160
Condenser w/o electric stand-by	kg	100
Condenser with electric stand-by	kg	160
Evaporator	kg	35
Swash Plate Compressor	kg	8.5

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

Height	mm	458
Width	mm	1 592
Depth	mm	523
Condenser Height	mm	458.7
Condenser Width	mm	1 592
Condenser Depth	mm	523
Evaporator Height	mm	232
Evaporator Width	mm	1 650
Evaporator Depth	mm	592

Electrical Stand by Motor

Voltage / Phase / Frequency		400/3/50 -- 400/3/60 -- 230/3/50 -- 230/3/60
Rating	kW	8.2

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DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

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

Refrigerant		
Refrigerant Weight		4.85
Refrigerant Type		R-134a
Charge	kg	10: 4.55 -- 20: 4.85
GWP/kg		1 430
Refrigerant GWP (Total)		6 936

AVAILABLE EVAP CONFIGURATIONS

ES150, ES400, ES600, ES800

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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		×	
Door switches		×	

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Condenser Width 1 592 mm x Depth 523 mm x Height 458.7 mm

V-800 MAX

The most powerful vehicle powered range

The V-800 Series from Thermo King comprises two-piece split units designed for fresh, frozen and deep frozen applications on trucks. The road compressor is powered by the vehicle's engine and the electric stand-by compressor is powered by an electric motor. The V-800 Series is equipped with a new swash plate compressor and range of drive kits for ease of installation.

- New swash plate compressor for ease of installation
- Most powerful range in both cooling and heating modes
- User friendly and advanced controller: Direct Smart Reefer
- Environmentally friendly
- Superior performance
- A full range available

PERFORMANCE

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	3 685

Refrigeration Capacity

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

Capacity on engine power 0°C	W	7 790
Capacity on engine power -20°C	W	4 160
Capacity on electrical stand by 0°C	W	7 030
Capacity on electrical stand by -20°C	W	3 795

Airflow

Independent from unit engine speed

Airflow	m^3/hr	2 730

Heating Capacity

Heating Capacity 18°/-18° (2400rpm)		7 030
On the road	W	7 030
Electric Stand By Operation	W	6 450

TECHNICAL DATA

Compressor

Model		QP21
Displacement	cm^3	215
Number of cylinders		10

Generic (Boxlength, Refrigerant, ...)

Box volume	m^3	42 - 54
Refrigerant		R-404A/R-452A
Airflow	m^3/hr	2 680
Controller		DSR III

Weight

Total Unit Weight (30 Model)		100
Total Unit Weight (50 Model)		160
Condenser w/o electric stand-by	kg	100
Condenser with electric stand-by	kg	160
Evaporator	kg	35
Swash Plate Compressor	kg	8.5

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

Height	mm	458.7
Width	mm	1 592
Depth	mm	523
Condenser Height	mm	458.7
Condenser Width	mm	1 592

Electrical Stand by Motor

Voltage / Phase / Frequency		400/3/50 -- 400/3/60 -- 230/3/50 -- 230/3/60
Rating	kW	8.2

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DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

Condenser Depth	mm	523
Evaporator Height	mm	232
Evaporator Width	mm	1 650
Evaporator Depth	mm	592
In-cab Controls Height	mm	46
In-cab Controls Width	mm	135
In-cab Controls Depth	mm	25

Refrigerant		
Refrigerant Weight		5
Refrigerant Type		R-452A
Charge	kg	10/30: 4.7 -- 20/50: 5
GWP/kg		2 140
Refrigerant GWP (Total)		10 700

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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		×	
Door switches		×	

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

V-1000

A revolution in large truck refrigeration technology

- Advanced vehicle drive technology
- No diesel and CO2 emissions from the unit
- Low noise
- Fuel consumption is less than an equivalent self-powered system
- Lower maintenance costs due to the absence of a diesel engine

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	6 455

(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	6 445
Capacity on electrical stand by 0°C	W	6 015

Airflow

Independent from unit engine speed

Airflow	m^3/hr	3 540
Volume @ 0 Pa static pressure	m^3/hr	3 540

TECHNICAL DATA

Cooling Capacity

@ ambient temperature +37.8°C (100°F)

Cooling Capacity 0°/30°	Watt	6 016

Compressor

Model		QP25
Displacement	cm^3	250
Number of cylinders		10

Generic (Boxlength, Refrigerant, ...)

Refrigerant		R-134a
Controller		DSR III

Weight

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

ES-1000 width	mm	1 850
ES-1000 height	mm	233
ES-1000 depth	mm	664
ES-800 width	mm	1 650
ES-800 height	mm	232
ES-800 depth	mm	592
Condenser Height	mm	536
Condenser Width	mm	1 864
Condenser Depth	mm	588
Evaporator ES600 MAX Width	mm	1 330.5
Evaporator ES600 MAX Depth	mm	592
Evaporator ES500 MAX Height	mm	240
Evaporator ES300 MAX Height	mm	178
Evaporator ES300 MAX Width	mm	985
Evaporator ES300 MAX Depth	mm	551
Evaporator ES150 MAX Height	mm	187
Evaporator ES150 MAX Width	mm	755
Evaporator ES150 MAX Depth	mm	540

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SELF POWERED TRUCK - SINGLE TEMPERATURE

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

AVAILABLE EVAP CONFIGURATIONS

ES1000, ES150, ES300, ES600, ES800

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SELF POWERED TRUCK - SINGLE TEMPERATURE



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

V-1000 Max 10/20

A revolution in large truck refrigeration technology

- Advanced vehicle drive technology
- No diesel and CO2 emissions from the unit
- Low noise
- Fuel consumption is less than an equivalent self-powered system
- Lower maintenance costs due to the absence of a diesel engine

PERFORMANCE

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	4 649

Refrigeration Capacity

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

Capacity on engine power 0°C	W	10 055
Capacity on engine power -20°C	W	5 050
Capacity on electrical stand by 0°C	W	9 310
Capacity on electrical stand by -20°C	W	4 650

Airflow

Independent from unit engine speed

Airflow	m^3/hr	3 537
Volume @ 0 Pa static pressure	m^3/hr	3 537

TECHNICAL DATA

Compressor

Model		QP25
Displacement	cm^3	250
Number of cylinders		10

Generic (Boxlength, Refrigerant, ...)

Refrigerant		R-404A/R-452A
Controller		DSR III

Weight

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

ES-1000 width	mm	1 850
ES-1000 height	mm	233
ES-1000 depth	mm	664
ES-800 width	mm	1 650
ES-800 height	mm	232
ES-800 depth	mm	592
Condenser Height	mm	536
Condenser Width	mm	1 864
Condenser Depth	mm	588
Evaporator ES600 MAX Height	mm	1 330.5
Evaporator ES600 MAX Width	mm	592
Evaporator ES600 MAX Depth	mm	240 178
Evaporator ES300 MAX Height	mm	178
Evaporator ES300 MAX Width	mm	985
Evaporator ES300 MAX Depth	mm	551
Evaporator ES150 MAX Height	mm	187

Electrical Stand by Motor

Voltage / Phase / Frequency		400/3/50 - 230/3/50 - 400/3/60 - 230/3/60
Rating	kW	8.8

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SELF POWERED TRUCK - SINGLE TEMPERATURE

Evaporator ES150 MAX Width	mm	755
Evaporator ES150 MAX Depth	mm	540

Refrigerant		
Refrigerant Weight		10: 5.9 // 20: 6.2
Refrigerant Type		R-404A / R-452A
Charge	kg	10: 5.9 // 20: 6.2

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SELF POWERED TRUCK - SINGLE TEMPERATURE



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

V-1000 Max 30/50

A revolution in large truck refrigeration technology

- Advanced vehicle drive technology
- No diesel and CO2 emissions from the unit
- Low noise
- Fuel consumption is less than an equivalent self-powered system
- Lower maintenance costs due to the absence of a diesel engine

PERFORMANCE

Refrigeration Capacity

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

Capacity on engine power 0°C	W	9 970
Capacity on engine power -20°C	W	4 805
Capacity on electrical stand by 0°C	W	9 395
Capacity on electrical stand by -20°C	W	4 485

Heating Capacity

Heating Capacity HSD 20°/-18°		8 000
On the road	W	8 000
Electric Stand By Operation	W	8 000

Airflow

Independent from unit engine speed

Airflow	m^3/hr	3 537
Volume @ 0 Pa static pressure	m^3/hr	3 537

TECHNICAL DATA

Compressor

Model		QP25
Displacement	cm^3	250
Number of cylinders		10

Weight

Condenser w/o electric stand-by	kg	111
Condenser with electric stand-by	kg	220
Evaporator	kg	50
Swash Plate Compressor	kg	8.7

Unit Dimensions

ES-1000 width	mm	1 850
ES-1000 height	mm	233
ES-1000 depth	mm	664
ES-800 width	mm	1 650
ES-800 height	mm	232
ES-800 depth	mm	592
Condenser Height	mm	536
Condenser Width	mm	1 864
Condenser Depth	mm	588
Evaporator ES600 MAX Height	mm	1 330.5
Evaporator ES600 MAX Width	mm	592
Evaporator ES600 MAX Depth	mm	240
Evaporator ES300 MAX Height	mm	178
Evaporator ES300 MAX Width	mm	985
Evaporator ES300 MAX Depth	mm	551
Evaporator ES150 MAX Height	mm	187

Generic (Boxlength, Refrigerant, ...)

Refrigerant		R-404A/R-452A
Controller		DSR III

Defrost

Defrost		Automatic hot gas defrost/reverse cycle

Electrical Stand by Motor

Voltage / Phase / Frequency		400/3/50 - 230/3/50 - 400/3/60 - 230/3/60
Rating	kW	8.8

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SELF POWERED TRUCK - SINGLE TEMPERATURE

Evaporator ES150 MAX Width	mm	755
Evaporator ES150 MAX Depth	mm	540

Refrigerant		
Charge	kg	30: 5.9 // 50: 6.2

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Condenser Width 1 592 mm x Depth 523 mm x Height 458.7 mm

V-800 MAX Spectrum

Superior temperature control

This V-800 MAX Spectrum unit completes the Thermo King multi-temp application offering. It is the most powerful unit in the V-Series Spectrum platform and it is appropriate for trucks up to seven metres long. It offers a choice of three different evaporator configurations (ES400 + ES400, ES600 + 2 x ES150 and ES600 + ES150) to address a variety of customer application and to meet the requirements of two big compartment boxes, be it transversal or longitudinal configurations alike. The V-800 MAX Spectrum is the right alternative for city distribution in big trucks up to 7 metres body lengths.

- New swash plate compressor for ease of installation
- Most powerful range in both cooling and heating modes
- User friendly and advanced controller: Direct Smart Reefer
- Environmentally friendly
- Superior performance
- A full range available
- For multi-temperature distribution

PERFORMANCE

Refrigeration Capacity: Individual Cooling Capacity		
Capacity on engine power ES400 MAX 0°C	W	5 740
Capacity on engine power ES400 MAX -20°C	W	3 300
Capacity on engine power ES600 MAX 0°C	W	6 765
Capacity on engine power ES600 MAX -20°C	W	3 460
Capacity on engine power ES150 MAX 0°C	W	3 975
Capacity on engine power ES150 MAX -20°C	W	2 270
Capacity on engine power 2 X ES150 MAX 0°C	W	5 640
Capacity on engine power 2 X ES150 MAX -20°C	W	2 995
Capacity on electrical stand by ES400 MAX 0°C	W	5 300
Capacity on electrical stand by ES400 MAX -20°C	W	3 010
Capacity on electrical stand by ES600 MAX 0°C	W	6 305
Capacity on electrical stand by ES600 MAX -20°C	W	3 110
Capacity on electrical stand by ES150 MAX 0°C	W	3 850
Capacity on electrical stand by ES150 MAX -20°C	W	2 165
Capacity on electrical stand by 2 X ES150 MAX 0°C	W	5 045
Capacity on electrical stand by 2 X ES150 MAX -20°C	W	2 705

(Electric) Stand-by Capacity		
Cooling Capacity stand-by -20°/30°	W	3 519
Individual Evaporator Capacity Stand-by 0°/30°	W	5 300

Refrigeration Capacity System net cooling capacity under A.T.P. conditions at 30 °C ambient		
Capacity on engine power -20°C	W	4 395
Capacity on engine power ES400 MAX+ES400 MAX -20°C	W	4 395
Capacity on engine power ES600 MAX+ES150MAX -20°C	W	3 850
Capacity on engine power ES600 MAX + 2 X ES150MAX -20°C	W	4 300
Capacity on electrical stand by -20°C	W	3 595

Airflow Independent from unit engine speed		
Airflow	m^3/hr	2 x 1837
ES400+ES400	m^3/hr	1760x2
ES600 MAX+ES150MAX	m^3/hr	2260+890
ES600 MAX + 2XES150MAX	m^3/hr	2260+(2x890)

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Capacity on electrical stand by ES400 MAX+ES400 MAX -20°C	W	3 595
Capacity on electrical stand by ES600 MAX+ES150MAX -20°C	W	3 385
Capacity on electrical stand by ES600 MAX + 2 X ES150MAX -20°C	W	3 595

Heating Capacity		
Heating Capacity 18°/-18° (2400rpm)		4 500
On the road	W	4 500
Electric Stand By Operation	W	4 000

TECHNICAL DATA

Compressor		
Model		QP21
Displacement	cm^3	215
Number of cylinders		10

Generic (Boxlength, Refrigerant, ...)		
Box volume	m^3	40
Refrigerant		R-404A/R-452A
Airflow	m^3/hr	1 760
Controller		DSR III

Weight		
Total Unit Weight (30 Model)		100
Total Unit Weight (50 Model)		160
Condenser w/o electric stand-by	kg	100
Condenser with electric stand-by	kg	160
Evaporator ES600 MAX	kg	28
Evaporator ES400 MAX	kg	20
Evaporator 2 X ES150 MAX	kg	25
Evaporator ES150 MAX	kg	12.5
Swash Plate Compressor	kg	8.5

Defrost		
Defrost		Automatic hot gas defrost

Unit Dimensions		
Height	mm	458.7
Width	mm	1 592
Depth	mm	523
Condenser Height	mm	458.7
Condenser Width	mm	1 592
Condenser Depth	mm	523
Evaporator ES600 MAX Height	mm	240
Evaporator ES600 MAX Width	mm	1 330.5
Evaporator ES600 MAX Depth	mm	592
Evaporator ES400 MAX Height	mm	236
Evaporator ES400 MAX Width	mm	1 080
Evaporator ES400 MAX Depth	mm	592
Evaporator ES150 MAX Height	mm	187
Evaporator ES150 MAX Width	mm	755
Evaporator ES150 MAX Depth	mm	540
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		400/3/50 -- 230/3/50 - -400/3/60 - - 230/3/60
Rating	kW	8.2

Refrigerant		
Refrigerant Weight		5.2
Refrigerant Type		R-452A
Charge	kg	ES400+ES400: 5.2 -- ES600+ES150: 5.0 -- ES600+2XES150: 5.15
GWP/kg		3 922

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DIRECT DRIVE TRUCK - MULTI TEMPERATURE

Refrigerant GWP (Total)		20 394

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DIRECT DRIVE TRUCK - MULTI 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 swivel manifold (upgrade)	×		
Din Adapter		×	
Hose Cover		×	
Harness Extension 2m/4m/6m		×	
Door switches		×	

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SELF POWERED TRUCK - MULTI TEMPERATURE



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

V-1000 Spectrum

A revolution in large truck refrigeration technology

- Advanced vehicle drive technology
- No diesel and CO2 emissions from the unit
- Low noise
- Fuel consumption is less than an equivalent self-powered system
- Lower maintenance costs due to the absence of a diesel engine

PERFORMANCE

Refrigeration Capacity: Individual Cooling Capacity

Capacity on engine power ES150 0°C	W	3 995
Capacity on engine power ES600 MAX 0°C	W	8 500
Capacity on engine power ES600 MAX -20°C	W	4 370
Capacity on engine power ES150 MAX -20°C	W	2 300
Capacity on engine power 2 X ES150 MAX 0°C	W	5 755
Capacity on engine power 2 X ES150 MAX -20°C	W	3 125
Capacity on electrical stand by ES600 MAX 0°C	W	8 100
Capacity on electrical stand by ES600 MAX -20°C	W	4 045
Capacity on electrical stand by ES150 MAX 0°C	W	3 975
Capacity on electrical stand by ES150 MAX -20°C	W	2 040
Capacity on electrical stand by ES300 MAX 0°C	W	4 590
Capacity on electrical stand by ES300 MAX -20°C	W	2 170

Refrigeration Capacity

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

ES600 MAX + ES600MAX	m^3/hr	5 225
ES800 MAX + ES300MAX	m^3/hr	4 830
Capacity On Engine Power ES800 0°C	W	8 380
Capacity On Engine Power ES800 -20°C	W	4 660
Capacity On Electrical Standby ES800 MAX 0°C	W	8 125
Capacity On Electrical Standby ES800 MAX -20°C	W	4 190
Capacity on engine power ES600 MAX+ES150MAX -20°C	W	4 610
Capacity on engine power ES600 MAX + 2 X ES150MAX -20°C	W	5 035
Capacity on electrical stand by ES600 MAX+ES150MAX 0°C	W	4 445
Capacity on electrical stand by ES600 MAX + 2 X ES150MAX -20°C	W	4 610

Airflow

Independent from unit engine speed

ES600 MAX + ES600MAX	m^3/hr	2491 x 2
ES800 MAX + ES300 MAX	m^3/hr	2730 + 1643
ES600 MAX+ES150MAX	m^3/hr	2491+1396
ES600 MAX + 2XES150MAX	m^3/hr	2491+ (2x1396)

Heating Capacity

On the road	W	5 000
Electric Stand By Operation	W	5 000

TECHNICAL DATA

Compressor

Model		QP25
Displacement	cm^3	250
Number of cylinders		10

Generic (Boxlength, Refrigerant, ...)

Refrigerant		R-404A/R-404A
Controller		DSR III

Weight

Evaporator ES800 MAX	kg	35
Condenser w/o electric stand-by	kg	96
Condenser with electric stand-by	kg	205
Evaporator ES600 MAX	kg	28
Evaporator ES300 MAX	kg	18
Evaporator 2 X ES150 MAX	kg	25
Evaporator ES150 MAX	kg	12.5

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

Electrical Stand by Motor

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SELF POWERED TRUCK - MULTI TEMPERATURE

ES-1000 width	mm	1 850
ES-1000 height	mm	233
ES-1000 depth	mm	664
ES-800 width	mm	1 650
ES-800 height	mm	232
ES-800 depth	mm	592
Condenser Height	mm	536
Condenser Width	mm	1 864
Condenser Depth	mm	588
Evaporator ES600 MAX Height	mm	240
Evaporator ES600 MAX Width	mm	1 330.5
Evaporator ES600 MAX Depth	mm	592
Evaporator ES300 MAX Height	mm	178
Evaporator ES300 MAX Width	mm	985
Evaporator ES300 MAX Depth	mm	551
Evaporator ES150 MAX Height	mm	187
Evaporator ES150 MAX Width	mm	755
Evaporator ES150 MAX Depth	mm	540

Refrigerant		
Charge	kg	30: 5.9 50: 6.2

Voltage / Phase / Frequency		400/3/50 - 230/3/50 - 400/3/60 - 230/3/60
Rating	kW	8.8

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SELF POWERED TRUCK - UNDERMOUNT SINGLE TEMPERATURE



UT-1000R

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	9 700
Cooling Capacity HSD -20°/30°	W	5 300

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	4 500
Individual Evaporator Capacity Stand-by 0°/30°	W	8 400

Airflow

Independent from unit engine speed

Airflow	m^3/hr	2 640

TECHNICAL DATA

Cooling Capacity

@ ambient temperature +37.8°C (100°F)

Cooling Capacity 0°/30°	Watt	8 400

Fuel Efficiency

Fuel Efficiency HSD 0°/30°		3.60
Fuel Efficiency HSD -20°/30°		2.27

Service Interval

Service Interval		2 000

Noise

Sound Power Level HSD	dB(A)	98
Sound Pressure Level HSD	dB(A)	70.7
Sound Pressure Level LSD	dB(A)	66.7
Sound Pressure Level Stand-by	dB(A)	63.4

Refrigerant

Refrigerant Weight		3.9
Refrigerant Type		R-452A
GWP/kg		2 140
Refrigerant GWP (Total)		8 346

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SELF POWERED TRUCK - UNDERMOUNT SINGLE TEMPERATURE



UT-1400R S-3 + S-3

Condenser Width 1 608 mm x Depth 721 mm x Height 636 mm

PERFORMANCE

Refrigeration Capacity

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

Capacity on engine power 0°C	W	12 200
Capacity on engine power -20°C	W	6 600
Capacity on electrical stand by 0°C	W	9 900
Capacity on electrical stand by -20°C	W	4 900

Heating Capacity

Capacity on engine power -18°C	W	4400 (+18C box)
Capacity on Electrical Stand-By power -18°C	W	3200 (+18C box)

Airflow

Independent from unit engine speed

Volume @ 0 Pa static pressure	m^3/hr	4 450

TECHNICAL DATA

Features

Noise level		101 dB(A) guaranteed sound power level

Controller

General		TSR-3

Compressor

Model		X430 C5
Displacement	cm^3	489
Number of cylinders		4

Generic (Boxlength, Refrigerant, ...)

Refrigerant		R-452A

Weight

Condenser	kg	479
Installation kit	kg	10.8
Evaporator	kg	104

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

Condenser Height	mm	636
Condenser Width	mm	1 608
Condenser Depth	mm	721
Evaporator Height	mm	200
Evaporator Width	mm	2 200
Evaporator Depth	mm	1 000

Engine

Model		TK 376
Rating	kW	14.6
Maintenance Interval	hrs	2 000
Number of cylinders		3
Displacement		1 116

Electrical Stand by Motor

Voltage / Phase / Frequency		230-400V / 3 Ph / 50-60Hz
Rating	kW	7.5

Noise

Road Mode	dB(A)	73.4
Electric Standby	dB(A)	63.4

Refrigerant

Charge	kg	4.85

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Condenser Width 1 608 mm x Depth 721 mm x Height 636 mm

UT-1400R E-Evap

Takes undermount refrigeration to a new level

Optimized uptime and cargo safetey Quieter operations, day and night Best-in-class compressor and new enclosure design dramatically reduces the risk of breakdown and makes the unit much easier to service Space saving design

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	13 100
Cooling Capacity HSD -20°/30°	W	7 100

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	5 300
Individual Evaporator Capacity Stand-by 0°/30°	W	10 400

Refrigeration Capacity

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

Capacity on engine power 0°C	W	13 100
Capacity on engine power -20°C	W	7 100
Capacity on electrical stand by 0°C	W	10 400
Capacity on electrical stand by -20°C	W	5 300

Airflow

Independent from unit engine speed

Airflow	m^3/hr	3 350
Volume @ 0 Pa static pressure	m^3/hr	3 350

Heating Capacity

Capacity on engine power -18°C	W	4400 (+18C box)
Capacity on Electrical Stand-By power -18°C	W	3200 (+18C box)

TECHNICAL DATA

Features

Noise level		101 dB(A) guaranteed sound power level

Cooling Capacity

@ ambient temperature +37.8°C (100°F)

Cooling Capacity 0°/30°	Watt	10 400

Controller

General		TSR-3

Fuel Efficiency

Fuel Efficiency HSD 0°/30°		4.06
Fuel Efficiency HSD -20°/30°		2.66

Compressor

Model		X430 C5
Displacement	cm^3	489
Number of cylinders		4

Generic (Boxlength, Refrigerant, ...)

Refrigerant		R-452A

Service Interval

Service Interval		2 000

Weight

Condenser	kg	479
Installation kit	kg	10.8
Evaporator	kg	63.5

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

E-type Evaporator height	mm	302
E-type Evaporator width	mm	638
E-type Evaporator depth	mm	1 615
Condenser Height	mm	636
Condenser Width	mm	1 608

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SELF POWERED TRUCK - UNDERMOUNT SINGLE TEMPERATURE

Condenser Depth	mm	721

Engine		
Model		TK 376
Rating	kW	14.6
Maintenance Interval	hrs	2 000
Number of cylinders		3
Displacement		1 116

Electrical Stand by Motor		
Voltage / Phase / Frequency		230-400V / 3 Ph / 50-60Hz
Rating	kW	7.5

Noise		
Road Mode	dB(A)	73.4
Electric Standby	dB(A)	63.4
Sound Power Level HSD	dB(A)	100
Sound Pressure Level HSD	dB(A)	73.4
Sound Pressure Level LSD	dB(A)	66.7
Sound Pressure Level Stand-by	dB(A)	63.4

Refrigerant		
Refrigerant Weight		4.6
Refrigerant Type		R-452A
Charge	kg	4.6
GWP/kg		2 140
Refrigerant GWP (Total)		9 844

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Condenser Width 1 608 mm x Depth 721 mm x Height 636 mm

UT-R Spectrum

Ideal for multi-temperature urban distribution

Benchmark reliability in tough distribution operations The ability to carry products at three different temperatures in one vehicle Fast pull-down and temperature recovery Full two-year warranty Advanced TSR-3 controller Low fuel consumption Whisper-quiet operation for urban access R-452A refrigerant delivers reduced Global Warming Potential (GWP) for a 45% reduction in environmental impact Multi-temperature configuration means greater vehicle utilisation and therefore fewer vehicles on the road Clean, dependable GreenTech™ engine cuts exhaust emissions Bio-fuel and HVO compatibility

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	11 300
Cooling Capacity HSD -20°/30°	W	6 400

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	4 500
Individual Evaporator Capacity Stand-by 0°/30°	W	10 300

Refrigeration Capacity

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

Capacity on engine power 0°C	W	11 300
Capacity on engine power -20°C	W	6 400
Capacity on electrical stand by 0°C	W	10 300
Capacity on electrical stand by -20°C	W	4 500

Airflow

Independent from unit engine speed

Volume @ 0 Pa static pressure	m^3/hr	S-2: 1420 / S-3: 2350 / S-4.2: 2550 / S-4: 2840

TECHNICAL DATA

Features

Noise level		101 dB(A) guaranteed sound power level

Cooling Capacity

@ ambient temperature +37.8°C (100°F)

Cooling Capacity 0°/30°	Watt	10 300

Controller

General		TSR-3

Compressor

Model		X430 C5
Displacement	cm^3	489
Number of cylinders		4

Generic (Boxlength, Refrigerant, ...)

Refrigerant		R-452A

Service Interval

Service Interval		2 000

Weight

Condenser	kg	479
Installation kit	kg	10.8
Evaporator	kg	S-2: 43 / S-3: 52 / S-4.2: 54

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

Evaporator S2 Height	mm	200
Evaporator S2 Width	mm	760

Engine

Model		TK 376
Rating	kW	14.6

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SELF POWERED TRUCK - UNDERMOUNT MULTI TEMPERATURE

Evaporator S2 Depth	mm	1 000
Evaporator S3 Height	mm	200
Evaporator S3 Width	mm	1 100
Evaporator S3 Depth	mm	1 000
Condenser Height	mm	636
Condenser Width	mm	1 608
Condenser Depth	mm	721
Evaporator Height	mm	S-4.2: 152
Evaporator Width	mm	S-4.2: 1250
Evaporator Depth	mm	S-4.2: 988

Maintenance Interval	hrs	2 000
Number of cylinders		3
Displacement		1 116

Electrical Stand by Motor		
Voltage / Phase / Frequency		230-400V / 3 Ph / 50-60Hz
Rating	kW	7.5

Noise		
Road Mode	dB(A)	73.4
Electric Standby	dB(A)	63.4
Sound Power Level HSD	dB(A)	100
Sound Pressure Level HSD	dB(A)	73.4
Sound Pressure Level LSD	dB(A)	66.7
Sound Pressure Level Stand-by	dB(A)	63.4

Refrigerant		
Refrigerant Weight		8.5
Refrigerant Type		R-452A
Charge	kg	8.5
GWP/kg		2 140
Refrigerant GWP (Total)		18 190

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Condenser Width 1 608 mm x Depth 721 mm x Height 636 mm

UT-R Extreme

For truck and highloader undermount applications at extreme ambients

Benchmark reliability in the high ambient environments Proven fresh performance at up to 55°C and beyond Faster full-down and temperature recovery Full two-year warranty Market leading service and accessibility Easy, low-cost installation Advanced TSR-3 controller Low fuel consumption R-134a refrigerant delivering positive environmental impact increased over 60% with reduced GWP (Global Warming Potential) Low fuel consumption Low engine emissions with GreenTech™ engine Reduced R-134a refrigerant charge Whisper-quiet operation Bio-fuel and HVO compatibility

PERFORMANCE

Airflow

Independent from unit engine speed

Volume @ 0 Pa static pressure	m^3/hr	3 350

TECHNICAL DATA

Refrigeration Capacity High Ambient Temperature (55°C)

Capacity on engine power 0°C	W	7 100
Capacity on engine power 20°C	W	12 900

Features

Noise level		101 dB(A) guaranteed sound power level

Controller

General		TSR-3

Compressor

Model		X430 C5
Displacement	cm^3	489
Number of cylinders		4

Generic (Boxlength, Refrigerant, ...)

Refrigerant		R-452A

Weight

Condenser	kg	479
Installation kit	kg	10.8
Evaporator	kg	63.5

Defrost

Defrost		Automatic hot gas defrost

Unit Dimensions

E-type Evaporator height	mm	302
E-type Evaporator width	mm	1 615
E-type Evaporator depth	mm	638
Condenser Height	mm	636
Condenser Width	mm	1 608
Condenser Depth	mm	721

Engine

Model		TK 376
Rating	kW	14.6
Maintenance Interval	hrs	2 000
Number of cylinders		3
Displacement		1 116

Electrical Stand by Motor

Voltage / Phase / Frequency		230-400V / 3 Ph / 50-60Hz
Rating	kW	7.5

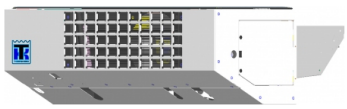
Noise

Road Mode	dB(A)	73.4
Electric Standby	dB(A)	63.4

Refrigerant

Charge	kg	4.6

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RT-800X

Purpose-designed solutions for Intermodal applications

- The ability to move temperature sensitive cargo in the same reefer box by sea, rail and road
- High performance diesel engines are supported by electric standby for use on board ship or overnight, giving seamless autonomous operation

PERFORMANCE

High Speed Diesel Capacity

.

Cooling Capacity HSD 0°/30°	W	8 610
Cooling Capacity HSD -20°/30°	W	4 080

(Electric) Stand-by Capacity

.

Cooling Capacity stand-by -20°/30°	W	3 150
Individual Evaporator Capacity Stand-by 0°/30°	W	6 610

Airflow

Independent from unit engine speed

Airflow HSD		3 040

Heating Capacity

Heating Capacity HSD 20°/-18°		6 220

TECHNICAL DATA

Generic (Boxlength, Refrigerant, ...)

Refrigerant		R-452A

Service Interval

Service Interval		2 000

Weight

Total Unit Weight (50 Model)		440

Unit Dimensions

Height	mm	632
Width	mm	1 888
Depth	mm	735

Noise

Sound Power Level HSD	dB(A)	94,5
Sound Pressure Level HSD	dB(A)	67,90
Sound Pressure Level LSD	dB(A)	63,50
Sound Pressure Level Stand-by	dB(A)	59,40

Refrigerant

Refrigerant Weight		3
GWP/kg		2 140
Refrigerant GWP (Total)		6 420

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