

SELF POWERED TRUCK - SINGLE TEMPERATURE

T-560R



UNIT Width 1676 mm x Depth 926 mm x Height 596 mm

CONDENSER Width 1676 mm x Depth 926 mm x Height 596 mm

Enhanced self-powered refrigeration unit for small & medium sized trucks

- Proven performance up to 55 °C
- As tough as the conditions it works in
- Full Thermo King service and parts support
- Ease of use for error-proof operation
- Market leading performance and economy
- Reduced environmental impact
- Frozen, chill or fresh cargo up to 5.5m body
- Stylish new appearance
- Refrigerant: Standard: R-452A / Optional: R-134a

PERFORMANCE

REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	6600 W
Capacity on engine power -20°C	3500 W
Capacity on electrical stand by 0°C	4800 W
Capacity on electrical stand by -20°C	2500 W

AIRFLOW

ON HIGH SPEED ENGINE OPERATION

Airflow volume @ 0 pa static pressure	2150 m3/hr
Discharge velocity - airthrow	5.5 m/sec

TECHNICAL DATA

COMPRESSOR

Model	X214 Deep Sump
Displacement	228 cm3

REFRIGERANT CHARGE

Charge	2.5 kg
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GENERIC (BOXLENGTH, REFRIGERANT, ...)

Boxlength	4.0 - 5.5 m
Refrigerant	R-452A
Airflow	2150 m3/hr
Controller	Truck Smart Reefer 3

WEIGHT

INCLUDING BATTERY

Model 30	370 (Whisper option +17) kg
Model 50	400 (Whisper option +17) kg

ENGINE

Model	TK 270
Rating	7.5 kW
Maintenance Interval	1000 hrs
no. of cylinders/displacement	TK 270V / 2 / 570 cm3

ELECTRICAL STAND BY MOTOR

Voltage / Phase / Frequency	400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
Rating	4.5 kW

SELF POWERED TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
Cycle-Sentry start/stop control system	x		
EMI 2000 extended maintenance	x		
Thermo King high performance battery	x		
Thermo King Energy battery		x	
Premium AGM battery		x	
2-year warranty coverage	x		
DATA CAPTURE & COMMUNICATIONS			
TouchPrint data capture			x
TouchPrint Printer			x
Remote Watch	x		
TSR standard in-cab display	x		
LOAD PROTECTION			
Heater Bar Kit			x
Auto phase correction	x		
SafeGuard battery protection kit		x	x
Password protected controller	x		
Door switches		x	x
Diesel/electric auto switching	x		
CUSTOMIZATION			
Whisper noise attenuating kit		x	
Hose management kit		x	
TSR rear remote control		x	
Solar Panel			x
Whisper low noise kit		x	
Body mount enclosure			x
90L fuel tank		x	x
Triple Combo Display			x

SELF POWERED TRUCK - SINGLE TEMPERATURE

T-600R



UNIT Width 1887 mm x Depth 919 mm x Height 617 mm

CONDENSER Width 919 mm x Depth 1887 mm x Height 617 mm

Delivering what matters

- Quiet operation
- Low fuel consumption
- Low life cycle costs
- Easy to use and service
- Reduced emissions and waste

PERFORMANCE

REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	7400 W
Capacity on engine power -20°C	4000 W
Capacity on electrical stand by 0°C	5500 W
Capacity on electrical stand by -20°C	2900 W

AIRFLOW

ON HIGH SPEED ENGINE OPERATION

Airflow volume @ 0 pa static pressure	2800 m3/hr
Discharge velocity - airthrow	5.2 m/sec

TECHNICAL DATA

COMPRESSOR

Model	X214
Displacement	228 cm3

REFRIGERANT CHARGE

Charge	3 kg
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GENERIC (BOXLENGTH, REFRIGERANT, ...)

Boxlength	5.5 - 6 m
Refrigerant	R-452A
Airflow	2700 m3/hr
Controller	Truck Smart Reefer 3

WEIGHT

INCLUDING BATTERY

Model 30	441 kg
Model 50	473 kg

ENGINE

Model	TK 370
Rating	11.2 kW
Maintenance Interval	2000 hrs
no. of cylinders/displacement	TK 370 / 3 / 855 cm3

ELECTRICAL STAND BY MOTOR

Voltage / Phase / Frequency	400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
Rating	4.5 kW

SELF POWERED TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
Cycle-Sentry start/stop control system	x		
EMI 2000 extended maintenance	x		
Fuel level sensor		x	x
Thermo King high performance battery	x		
Thermo King Energy battery		x	
Premium AGM battery		x	
2-year warranty coverage	x		
DATA CAPTURE & COMMUNICATIONS			
TouchPrint data capture			x
TouchPrint Printer			x
ServiceWatch maintenance logger	x		
DAS (Data Acquisition System)		x	
TrackKing? (tracking and load monitoring)			x
Wintrac (data analysis software)			x
LOAD PROTECTION			
TSR-3 standard in-cab display	x		
Heater Bar Kit		x	x
Water Heater		x	
Auto phase correction	x		
SafeGuard battery protection kit		x	x
Door switches		x	x
Diesel/electric auto switching	x		
CUSTOMIZATION			
TSR-3 premium in-cab display		x	
Whisper noise attenuating kit		x	
TSR-3 rear remote control		x	
Electronic Fuel Capture			x
Remote Status Light and Combination Display			x
Hose management kit		x	
Solar Panel			x
Body mount enclosure			x
90L fuel tank		x	x
Triple Combo Display			x

SELF POWERED TRUCK - SINGLE TEMPERATURE



UNIT Width 1887 mm x Depth 919 mm x Height 617 mm
CONDENSER Width 1887 mm x Depth 919 mm x Height 617 mm

T-800R

Delivering what matters

- Quiet operation
- Low fuel consumption
- Low life cycle costs
- Easy to use and service
- Reduced emissions and waste

PERFORMANCE			
REFRIGERATION CAPACITY		AIRFLOW	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		ON HIGH SPEED ENGINE OPERATION	
Capacity on engine power 0°C	8000 W	Airflow volume @ 0 pa static pressure	2900 m3/hr
Capacity on engine power -20°C	4200 W	Discharge velocity - airthrow	5.2 m/sec
Capacity on electrical stand by 0°C	6300 W		
Capacity on electrical stand by -20°C	3200 W		

TECHNICAL DATA			
COMPRESSOR		REFRIGERANT CHARGE	
Model	X214	Charge	3.8 kg
Displacement	228 cm3		

GENERIC (BOXLENGTH, REFRIGERANT, ...)		WEIGHT INCLUDING BATTERY	
Boxlength	6.5 - 7.5 m	Model 30	444 (Whisper option +17) kg
Refrigerant	R-452A	Model 50	477 (Whisper option +17) kg
Airflow	2700 m3/hr		
Controller	Truck Smart Reefer 3		

ENGINE		ELECTRICAL STAND BY MOTOR	
Model	TK 370	Voltage / Phase / Frequency	400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
Rating	11.2 kW	Rating	4.5 kW
Maintenance Interval	2000 hrs		
no. of cylinders/displacement	TK 370 / 3 / 855 cm3		

SELF POWERED TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
Cycle-Sentry start/stop control system	x		
EMI 2000 extended maintenance	x		
Fuel level sensor		x	x
Thermo King high performance battery	x		
Thermo King Energy battery		x	
Premium AGM battery		x	
2-year warranty coverage	x		
DATA CAPTURE & COMMUNICATIONS			
TouchPrint data capture			x
TouchPrint Printer			x
ServiceWatch maintenance logger	x		
DAS (Data Acquisition System)		x	
TrackKing? (tracking and load monitoring)			x
Wintrac (data analysis software)			x
LOAD PROTECTION			
TSR-3 standard in-cab display	x		
Heater Bar Kit		x	x
Water Heater		x	
Auto phase correction	x		
SafeGuard battery protection kit		x	x
Door switches		x	x
Diesel/electric auto switching	x		
CUSTOMIZATION			
TSR-3 premium in-cab display		x	
Whisper noise attenuating kit		x	
TSR-3 rear remote control		x	
Electronic Fuel Capture			x
Remote Status Light and Combination Display			x
Hose management kit		x	
Solar Panel			x
Body mount enclosure			x
90L fuel tank		x	x
Triple Combo Display			x

SELF POWERED TRUCK - SINGLE TEMPERATURE

T-1000R



UNIT Width 1887 mm x Depth 919 mm x Height 688 mm
CONDENSER Width 1887 mm x Depth 919 mm x Height 688 (Whisper option 704) mm

Delivering what matters

- Quiet operation
- Low fuel consumption
- Low life cycle costs
- Easy to use and service
- Reduced emissions and waste

PERFORMANCE			
REFRIGERATION CAPACITY		AIRFLOW	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		ON HIGH SPEED ENGINE OPERATION	
Capacity on engine power 0°C	10000 W	Airflow volume @ 0 pa static pressure	3200 m3/hr
Capacity on engine power -20°C	5400 W	Discharge velocity - airthrow	6.2 m/sec
Capacity on electrical stand by 0°C	7100 W		
Capacity on electrical stand by -20°C	4100 W		

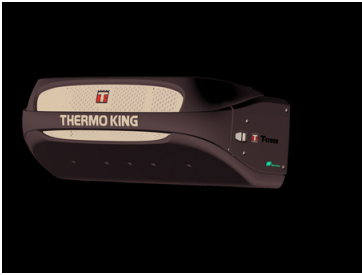
TECHNICAL DATA			
COMPRESSOR		REFRIGERANT CHARGE	
Model	X426 C5	Charge	3.4 kg
GENERIC (BOXLENGTH, REFRIGERANT, ...)		WEIGHT INCLUDING BATTERY	
Boxlength	7.5 - 8.5 m	Model 30	457 (Whisper option +17) kg
Refrigerant	R-452A	Model 50	514 (Whisper option +17) kg
Airflow	3200 m3/hr		
Controller	Truck Smart Reefer 3		

ENGINE		ELECTRICAL STAND BY MOTOR	
Model	TK 376	Voltage / Phase / Frequency	400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
Rating	14.6 kW	Rating	7.5 kW
Maintenance Interval	2000 hrs		
no. of cylinders/displacement	TK 376 / 3 / 1115 cm3		

SELF POWERED TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
Cycle-Sentry start/stop control system	x		
EMI 2000 extended maintenance	x		
Fuel level sensor		x	x
Thermo King high performance battery	x		
Thermo King Energy battery		x	
Premium AGM battery		x	
2-year warranty coverage	x		
DATA CAPTURE & COMMUNICATIONS			
TouchPrint data capture			x
TouchPrint Printer			x
ServiceWatch maintenance logger	x		
DAS (Data Acquisition System)		x	
TrackKing? (tracking and load monitoring)			x
Wintrac (data analysis software)			x
LOAD PROTECTION			
TSR-3 standard in-cab display	x		
Heater Bar Kit		x	x
Auto phase correction	x		
SafeGuard battery protection kit		x	x
Door switches		x	x
Diesel/electric auto switching	x		
CUSTOMIZATION			
TSR-3 premium in-cab display		x	
Whisper noise attenuating kit		x	
TSR-3 rear remote control		x	
Electronic Fuel Capture			x
Remote Status Light and Combination Display			x
Hose management kit		x	
Solar Panel			x
Body mount enclosure			x
90L fuel tank		x	x
Triple Combo Display			x

SELF POWERED TRUCK - SINGLE TEMPERATURE



UNIT Width 1887 mm x Depth 919 mm x Height 688 mm
CONDENSER Width 1887 mm x Depth 919 mm x Height 688 (Whisper option 704) mm

T-1200R

Delivering what matters

- Quiet operation
- Low fuel consumption
- Low life cycle costs
- Easy to use and service
- Reduced emissions and waste

PERFORMANCE			
REFRIGERATION CAPACITY		AIRFLOW	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		ON HIGH SPEED ENGINE OPERATION	
Capacity on engine power 0°C	12500 W	Airflow volume @ 0 pa static pressure	3300 m3/hr
Capacity on engine power -20°C	7100 W	Discharge velocity - airthrow	6.4 m/sec
Capacity on electrical stand by 0°C	9400 W		
Capacity on electrical stand by -20°C	5200 W		

TECHNICAL DATA			
COMPRESSOR		REFRIGERANT CHARGE	
Model	X430 C5	Charge	3.8 kg
GENERIC (BOXLENGTH, REFRIGERANT, ...)		WEIGHT INCLUDING BATTERY	
Boxlength	8.5+ m	Model 30	460 (Whisper option +17) kg
Refrigerant	R-404A/R-452A	Model 50	517 (Whisper option +17) kg
Airflow	3300 m3/hr		
Controller	Truck Smart Reefer 3		

ENGINE		ELECTRICAL STAND BY MOTOR	
Model	TK 376	Voltage / Phase / Frequency	400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
Rating	14.6 kW	Rating	7.5 kW
Maintenance Interval	2000 hrs		
no. of cylinders/displacement	TK 376 / 3 / 1115 cm3		

SELF POWERED TRUCK - SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
TK Long Life AGM Battery		x	
ThermoKare Service contracts			x
Cycle-Sentry start/stop control system	x		
EMI 2000 extended maintenance	x		
Fuel level sensor		x	x
Thermo King high performance battery	x		
Thermo King Energy battery		x	
Premium AGM battery		x	
2-year warranty coverage	x		
DATA CAPTURE & COMMUNICATIONS			
TouchPrint data capture			x
TouchPrint Printer			x
ServiceWatch maintenance logger	x		
DAS (Data Acquisition System)		x	
TrackKing? (tracking and load monitoring)			x
Wintrac (data analysis software)			x
LOAD PROTECTION			
TSR-3 standard in-cab display	x		
Heater Bar Kit		x	x
Auto phase correction	x		
SafeGuard battery protection kit		x	x
Password protected controller	x		
Door switches		x	x
Diesel/electric auto switching	x		
CUSTOMIZATION			
TSR-3 premium in-cab display		x	
Whisper noise attenuating kit		x	
TSR-3 rear remote control		x	
Remote Status Light and Combination Display	x		
Body mount enclosure			x
90L fuel tank		x	x
Triple Combo Display			x

DIRECT DRIVE TRUCK - SINGLE TEMPERATURE



UNIT Width 1592 mm x Depth 523 mm x Height 458 mm

CONDENSER Width 1592 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

REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	5175 W
Capacity on electrical stand by 0°C	4920 W

TECHNICAL DATA

COMPRESSOR

Model	QP21
Displacement	215 cm ³
Number of cylinders	10

REFRIGERANT CHARGE

Charge	10: 4.55 -- 20: 4.85 kg
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GENERIC (BOXLENGTH, REFRIGERANT, ...)

Box volume	44 m ³
Refrigerant	R-134a
Airflow	2680 m ³ /hr
Controller	DSR III

DEFROST

Defrost	Automatic hot gas defrost
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WEIGHT

INCLUDING BATTERY

Condenser w/o electric stand-by	100 kg
Condenser with electric stand-by	160 kg
Evaporator	35 kg
Swash Plate Compressor	8.5 kg

ELECTRICAL STAND BY MOTOR

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



DIRECT DRIVE TRUCK - SINGLE TEMPERATURE

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

SELF POWERED TRUCK - SINGLE TEMPERATURE



CONDENSER Width 1864 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			
REFRIGERATION CAPACITY		AIRFLOW	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		ON HIGH SPEED ENGINE OPERATION	
Capacity on engine power 0°C	6445 W	Airflow volume @ 0 pa static pressure	3537 m3/hr
Capacity on electrical stand by 0°C	6015 W		

TECHNICAL DATA			
COMPRESSOR		REFRIGERANT CHARGE	
Model	QP25	Charge	10: 5.4 // 20: 5.7 kg
Displacement	250 cm3		
Number of cylinders	10		

GENERIC (BOXLENGTH, REFRIGERANT, ...)		DEFROST	
Refrigerant	R-134a	Defrost	Automatic hot gas defrost
Controller	DSR III		

WEIGHT INCLUDING BATTERY		ELECTRICAL STAND BY MOTOR	
Condenser w/o electric stand-by	96 kg	Voltage / Phase / Frequency	400/3/50 - 230/3/50 - 400/3/60 - 230/3/60
Condenser with electric stand-by	205 kg	Rating	8,8 kW
Evaporator	50 kg		
Swash Plate Compressor	8.7 kg		



UNIT Width 1887 mm x Depth 919 mm x Height 617 mm
CONDENSER Width 1887 mm x Depth 919 mm x Height 617 mm

T-800R Spectrum

T-Series Spectrum: Solutions for multi-temp distribution

With a tireless focus on reducing noise and emissions while maximizing performance, the range of T-Series Spectrum units are designed to meet the grueling demands of Multi-temperature distribution. We also understand that all distribution operations are not the same. That is why all T-Series Spectrum units are available with a choice of two or three blower remote vaporators that can be used in a number of configurations. With the ability to support up to three zones in both compartment and lane applications, we have a solution to match your unique needs. Your Thermo King representative can assist you in selecting the right unit for your operations.

- Quiet operation
- Low fuel consumption
- Low life cycle costs
- Easy to use and service
- Reduced emissions and waste
- For multi-temperature distribution

PERFORMANCE

REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	8000 W
Capacity on engine power -20°C	3850 W
Capacity on electrical stand by 0°C	6200 W
Capacity on electrical stand by -20°C	2800 W

AIRFLOW

ON HIGH SPEED ENGINE OPERATION

Airflow volume @ 0 pa static pressure	S-2 = 1320, S-3 = 1980 m ³ /hr
Discharge velocity - airtthrow	9.5 m/sec

TECHNICAL DATA

COMPRESSOR

Model	X214
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REFRIGERANT CHARGE

Charge	R-404A = 4.0; R-452A = 6.0 kg
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GENERIC (BOXLENGTH, REFRIGERANT, ...)

Boxlength	6.5 - 7.5 m
Refrigerant	R-452A
Airflow	S-2 = 1320, S-3 = 1980 m ³ /hr
Controller	Truck Smart Reefer 3

WEIGHT INCLUDING BATTERY

Model 30	357 kg
Model 50	389 kg

ENGINE

Model	TK 370
Rating	11.2 kW
Maintenance Interval	2000 hrs
no. of cylinders/displacement	TK 370 / 3 / 855 cm ³

ELECTRICAL STAND BY MOTOR

Voltage / Phase / Frequency	400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
Rating	4.5 kW

SELF POWERED TRUCK - MULTI TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
Cycle-Sentry start/stop control system	x		
EMI 2000 extended maintenance	x		
Fuel level sensor		x	x
Thermo King high performance battery	x		
Thermo King Energy battery		x	
Premium AGM battery		x	
2-year warranty coverage	x		
DATA CAPTURE & COMMUNICATIONS			
TouchPrint data capture			x
TouchPrint Printer			x
ServiceWatch maintenance logger		x	
DAS (Data Acquisition System)		x	
TrackKing? (tracking and load monitoring)			x
Wintrac (data analysis software)			x
LOAD PROTECTION			
TSR-3 standard in-cab display	x		
Heater Bar Kit		x	x
Auto phase correction	x		
SafeGuard battery protection kit		x	x
Door switches		x	x
Diesel/electric auto switching	x		
CUSTOMIZATION			
Whisper kit acoustic		x	
TSR-3 premium in-cab display		x	
TSR-3 rear remote control		x	
Electronic Fuel Capture			x
Hose management kit		x	
Solar Panel			x
Evaporator guard			x
Body mount enclosure			x
90L fuel tank		x	x
Drain Kit for Transverse Remote Evap			x
Triple Combo Display			x



UNIT Width 1887 mm x Depth 919 mm x Height 688 mm

CONDENSER Width 1887 mm x Depth 919 mm x Height 688 (Whisper option 704) mm

T-1000R Spectrum

T-Series Spectrum: Solutions for Multi temp distribution

With a tireless focus on reducing noise and emissions while maximizing performance, the new range of T-Series Spectrum units are designed to meet the grueling demands of Multi temperature distribution. We also understand that all distribution operations are not the same. That is why all T-Series Spectrum units are available with a choice of two or three blower remote evaporators that can be used in a number of configurations. With the ability to support up to three zones in both compartment and lane applications, we have a solution to match your unique needs. Your Thermo King representative can assist you in selecting the right unit for your operations.

- Quiet operation
- Low fuel consumption
- Low life cycle costs
- Easy to use and service
- Reduced emissions and waste
- For multi-temperature distribution

PERFORMANCE

REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	10000 W
Capacity on engine power -20°C	5800 W
Capacity on electrical stand by 0°C	6300 W
Capacity on electrical stand by -20°C	4000 W

AIRFLOW

ON HIGH SPEED ENGINE OPERATION

Airflow volume @ 0 pa static pressure	S-2 = 1320, S-3 = 1980 m3/hr
Discharge velocity - airtthrow	9.5 m/sec

TECHNICAL DATA

COMPRESSOR

Model	X426 C5
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REFRIGERANT CHARGE

Charge	R-404A = 5.86; R-452A = 6.1 kg
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GENERIC (BOXLENGTH, REFRIGERANT, ...)

Boxlength	7.5 - 8.5 m
Refrigerant	R-452A
Airflow	S-2 = 1320, S-3 = 1980 m3/hr
Controller	Truck Smart Reefer 3

WEIGHT

INCLUDING BATTERY

Model 30	373 kg
Model 50	430 kg

ENGINE

Model	TK 376
Rating	14,6 kW
Maintenance Interval	2000 hrs
no. of cylinders/displacement	TK 376 / 3 / 1115 cm3

ELECTRICAL STAND BY MOTOR

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

SELF POWERED TRUCK - MULTI TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
Cycle-Sentry start/stop control system	x		
EMI 2000 extended maintenance	x		
Fuel level sensor		x	x
Thermo King high performance battery	x		
Thermo King Energy battery		x	
Premium AGM battery		x	
2-year warranty coverage	x		
DATA CAPTURE & COMMUNICATIONS			
TouchPrint data capture			x
TouchPrint Printer			x
ServiceWatch maintenance logger		x	
DAS (Data Acquisition System)		x	
TrackKing? (tracking and load monitoring)			x
Wintrac (data analysis software)			x
LOAD PROTECTION			
TSR-3 standard in-cab display	x		
Heater Bar Kit		x	x
Auto phase correction	x		
SafeGuard battery protection kit		x	x
Door switches		x	x
Diesel/electric auto switching	x		
CUSTOMIZATION			
Whisper kit acoustic		x	
TSR-3 premium in-cab display		x	
TSR-3 rear remote control		x	
Electronic Fuel Capture			x
Hose management kit		x	
Solar Panel			x
Evaporator guard			x
Body mount enclosure			x
90L fuel tank		x	x
Drain Kit for Transverse Remote Evap			x
Triple Combo Display			x



UNIT Width 1887 mm x Depth 919 mm x Height 688 mm

CONDENSER Width 1887 mm x Depth 919 mm x Height 688 (Whisper option 704) mm

T-1200R Spectrum

T-Series Spectrum: Solutions for multi-temp distribution

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- Quiet operation Low fuel consumption
- Low life cycle costs
- Easy to use and service
- Reduced emissions and waste
- For multi-temperature distribution

PERFORMANCE

REFRIGERATION CAPACITY

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

Capacity on engine power 0°C	11800 W
Capacity on engine power -20°C	7200 W
Capacity on electrical stand by 0°C	7500 W
Capacity on electrical stand by -20°C	5000 W

AIRFLOW

ON HIGH SPEED ENGINE OPERATION

Airflow volume @ 0 pa static pressure	S-2 = 1320, S-3 = 1980 m3/hr
Discharge velocity - airtthrow	9.5 m/sec

TECHNICAL DATA

COMPRESSOR

Model	X430 C5
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REFRIGERANT CHARGE

Charge	R-404A = 6.2; R-452A = 6.25 kg
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GENERIC (BOXLENGTH, REFRIGERANT, ...)

Boxlength	8.5+ m
Refrigerant	R-452A
Airflow	S-2 = 1320, S-3 = 1980 m3/hr
Controller	Truck Smart Reefer 3

WEIGHT

INCLUDING BATTERY

Model 30	377 kg
Model 50	436 kg

ENGINE

Model	TK 376
Rating	14.6 kW
Maintenance Interval	2000 hrs
no. of cylinders/displacement	TK 376 / 3 / 1115 cm3

ELECTRICAL STAND BY MOTOR

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

SELF POWERED TRUCK - MULTI TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
Cycle-Sentry start/stop control system	x		
EMI 2000 extended maintenance	x		
Fuel level sensor		x	x
Thermo King high performance battery	x		
Thermo King Energy battery		x	
Premium AGM battery		x	
2-year warranty coverage	x		
DATA CAPTURE & COMMUNICATIONS			
TouchPrint data capture			x
TouchPrint Printer			x
ServiceWatch maintenance logger	x		
DAS (Data Acquisition System)		x	
TrackKing? (tracking and load monitoring)			x
Wintrac (data analysis software)			x
LOAD PROTECTION			
TSR-3 standard in-cab display	x		
Heater Bar Kit		x	x
Auto phase correction	x		
SafeGuard battery protection kit		x	x
Door switches		x	x
Diesel/electric auto switching	x		
CUSTOMIZATION			
Whisper kit acoustic		x	
TSR-3 premium in-cab display		x	
TSR-3 rear remote control		x	
Electronic Fuel Capture			x
Remote Status Light and Combination Display	x		
Hose management kit		x	
Solar Panel			x
Evaporator guard			x
Body mount enclosure			x
90L fuel tank		x	x
Drain Kit for Transverse Remote Evap			x
Triple Combo Display			x

SELF POWERED TRUCK - MULTI TEMPERATURE

T-1200R Spectrum Whisper Pro



PIEK certified T-1200R Spectrum model

CONDENSER Width 1888 mm x Depth 919 mm x Height 704 mm

- PIEK certified 62dB(A)
- High cooling capacity in high speed diesel operation
- Telematics as standard with 2-years Connect&Track contract included

PERFORMANCE			
REFRIGERATION CAPACITY HIGH SPEED		REFRIGERATION CAPACITY PIEK MODE	
Capacity on engine power 0°C	11500 W	Capacity on engine power 0°C	4250
Capacity on engine power -20°C	7000 W	Capacity on engine power -20°C	3250
Capacity on electrical stand by 0°C	7400 W		
Capacity on electrical stand by -20°C	4800 W		
AIRFLOW ON HIGH SPEED ENGINE OPERATION			
Airflow volume @ 0 pa static pressure	1420 (S-2) / 2350 (S-3) / 2550 (S-4.2) / 2840 (S-4) m3/hr		

TECHNICAL DATA			
CONTROLLER		COMPRESSOR	
General	SR-3	Model	X430 C5
		Displacement	492 cm3
		Number of cylinders	4
DEFROST		WEIGHT INCLUDING BATTERY	
Defrost	Automatic hot gas defrost	Condenser	483 kg
		Evaporator	43 (S-2) / 52 (S-3) / 54 (S-4.2) / 86 (S-4) kg
ENGINE		ELECTRICAL STAND BY MOTOR	
Model	TK 376	Voltage / Phase / Frequency	400/3/50 - 230/3/50 - 230/3/60
Rating	14.6 kW	Rating	7.5 kW
Maintenance Interval	2000 hrs		
Number of cylinders	3		
SOUND PRESSURE LEVEL			
High Speed Diesel	64.4 dB(A)		
Electric Standby	59.3 dB(A)		

SELF POWERED TRUCK - MULTI TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ServiceWatch maintenance logger	x		
Cycle-Sentry start/stop control system	x		
EMI 2000 extended maintenance	x		
Thermo King battery wet cell 760CCA		x	
Thermo King battery EON 880CCA		x	
TK EnergyOne Battery	x		
2-year warranty coverage	x		
DATA CAPTURE & COMMUNICATIONS			
TrackKing - 2 Years Contract	x		
TouchLog independent data logger		x	x
Wintrac (data analysis software)			x
SR-3 controller	x		
SR-3 rear remote control		x	x
LOAD PROTECTION			
Door switches		x	x
CUSTOMIZATION			
TSR-3 premium in-cab display	x		
Hose management kit		x	
Solar Panel			x
Remote evaporator guard			x
Body mount enclosure			x
220 V / 3 Ph / 50 Hz		x	
Elect. fuel level sensor TK 90l fuel tank			x
Fuel Tank Plastic 90L + Install Kit		x	x
Rear remote control		x	x
Triple Combo Display			x
AIRFLOW BOOSTER EVAPORATORS			
Side Panel Pair S-2/S-3 Remote Evaporators/Fan Banks		x	
EASE OF USE			
Rear remote control SR-3		x	x
Triple Combo Display (Fuel, Alarms, Temperature indications)			x

SELF POWERED TRUCK - UNDERMOUNT MULTI TEMPERATURE



UT-R Spectrum

CONDENSER Width 1608 mm x Depth 721 mm x Height 636 mm

PERFORMANCE			
REFRIGERATION CAPACITY		AIRFLOW	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		ON HIGH SPEED ENGINE OPERATION	
Capacity on engine power 0°C	11300 W	Airflow volume @ 0 pa static pressure	S-2: 1420 / S-3: 2350 / S-4.2: 2550 / S-4: 2840 m3/hr
Capacity on engine power -20°C	6400 W		
Capacity on electrical stand by 0°C	10300 W		
Capacity on electrical stand by -20°C	4500 W		
TECHNICAL DATA			
FEATURES		CONTROLLER	
Noise level	101 dB(A) guaranteed sound power level	General	TSR-3
COMPRESSOR		REFRIGERANT CHARGE	
Model	X430 C5	Charge	8.5 kg
Displacement	489 cm3		
Number of cylinders	4		
GENERIC (BOXLENGTH, REFRIGERANT, ...)		DEFROST	
Refrigerant	R-452A	Defrost	Automatic hot gas defrost
WEIGHT INCLUDING BATTERY		ENGINE	
Condenser	479 kg	Model	TK 376
Installation kit	10.8 kg	Rating	14.6 kW
Evaporator	S-2: 43 / S-3: 52 / S-4.2: 54 kg	Maintenance Interval	2000 hrs
		Number of cylinders	3
		Displacement	1116
ELECTRICAL STAND BY MOTOR		SOUND PRESSURE LEVEL	
Voltage / Phase / Frequency	230-400V / 3 Ph / 50-60Hz	High Speed Diesel	73.4 dB(A)
Rating	7.5 kW	Electric Standby	63.4 dB(A)

SELF POWERED TRUCK - UNDERMOUNT MULTI TEMPERATURE



UT-R Extreme

CONDENSER Width 1608 mm x Depth 721 mm x Height 636 mm

PERFORMANCE			
AIRFLOW			
ON HIGH SPEED ENGINE OPERATION			
Airflow volume @ 0 pa static pressure	3350 m3/hr		
TECHNICAL DATA			
REFRIGERATION CAPACITY HIGH AMBIENT TEMPERATURE (55°C)		FEATURES	
Capacity on engine power 0°C	7100 W	Noise level	101 dB(A) guaranteed sound power level
Capacity on engine power 20°C	12900 W		
CONTROLLER		COMPRESSOR	
General	TSR-3	Model	X430 C5
		Displacement	489 cm3
		Number of cylinders	4
REFRIGERANT CHARGE		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Charge	4.6 kg	Refrigerant	R-452A
DEFROST		WEIGHT INCLUDING BATTERY	
Defrost	Automatic hot gas defrost	Condenser	479 kg
		Installation kit	10.8 kg
		Evaporator	63.5 kg
ENGINE		ELECTRICAL STAND BY MOTOR	
Model	TK 376	Voltage / Phase / Frequency	230-400V / 3 Ph / 50-60Hz
Rating	14.6 kW	Rating	7.5 kW
Maintenance Interval	2000 hrs		
Number of cylinders	3		
Displacement	1116		
SOUND PRESSURE LEVEL			
High Speed Diesel	73.4 dB(A)		
Electric Standby	63.4 dB(A)		

DIRECT DRIVE TRUCK - MULTI TEMPERATURE



UNIT Width 1592 mm x Depth 523 mm x Height 458.7 mm
CONDENSER Width 1592 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		REFRIGERATION CAPACITY SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT	
Capacity on engine power ES400 MAX 0°C	5740 W	Capacity on engine power -20°C	4395 W
Capacity on engine power ES400 MAX -20°C	3300 W	Capacity on engine power ES400 MAX+ES400 MAX -20°C	4395 W
Capacity on engine power ES600 MAX 0°C	6765 W	Capacity on engine power ES600 MAX+ES150MAX -20°C	3850 W
Capacity on engine power ES600 MAX -20°C	3460 W	Capacity on engine power ES600 MAX + 2 X ES150MAX -20°C	4300 W
Capacity on engine power ES150 MAX 0°C	3975 W	Capacity on electrical stand by -20°C	3595 W
Capacity on engine power ES150 MAX -20°C	2270 W	Capacity on electrical stand by ES400 MAX+ES400 MAX -20°C	3595 W
Capacity on engine power 2 X ES150 MAX 0°C	5640 W	Capacity on electrical stand by ES600 MAX+ES150MAX -20°C	3385 W
Capacity on engine power 2 X ES150 MAX -20°C	2995 W	Capacity on electrical stand by ES600 MAX + 2 X ES150MAX -20°C	3595 W
Capacity on electrical stand by ES400 MAX 0°C	5300 W		
Capacity on electrical stand by ES400 MAX -20°C	3010 W		
Capacity on electrical stand by ES600 MAX 0°C	6305 W		
Capacity on electrical stand by ES600 MAX -20°C	3110 W		
Capacity on electrical stand by ES150 MAX 0°C	3850 W		
Capacity on electrical stand by ES150 MAX -20°C	2165 W		
Capacity on electrical stand by 2 X ES150 MAX 0°C	5045 W		
Capacity on electrical stand by 2 X ES150 MAX -20°C	2705 W		
HEATING CAPACITY		AIRFLOW ON HIGH SPEED ENGINE OPERATION	
On the road	4500 W	ES400+ES400	1760x2 m3/hr
Electric Stand By Operation	4000 W	ES600 MAX+ES150MAX	2260+890 m3/hr
		ES600 MAX + 2XES150MAX	2260+(2x890) m3/hr

TECHNICAL DATA

COMPRESSOR		REFRIGERANT CHARGE	
Model	QP21	Charge	ES400+ES400: 5.2 -- ES600+ES150: 5.0 -- ES600+2XES150: 5.15 kg
Displacement	215 cm3		
Number of cylinders	10		



DIRECT DRIVE TRUCK - MULTI TEMPERATURE

GENERIC (BOXLENGTH, REFRIGERANT, ...)		DEFROST	
Box volume	40 m3	Defrost	Automatic hot gas defrost
Refrigerant	R-404A/R-452A		
Airflow	1760 m3/hr		
Controller	DSR III		
WEIGHT INCLUDING BATTERY		ELECTRICAL STAND BY MOTOR	
Condenser w/o electric stand-by	100 kg	Voltage / Phase / Frequency	400/3/50 -- 230/3/50 - -400/3/60 -- 230/3/60
Condenser with electric stand-by	160 kg	Rating	8.2 kW
Evaporator ES600 MAX	28 kg		
Evaporator ES400 MAX	20 kg		
Evaporator 2 X ES150 MAX	25 kg		
Evaporator ES150 MAX	12.5 kg		
Swash Plate Compressor	8.5 kg		



DIRECT DRIVE TRUCK - MULTI TEMPERATURE

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

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)	3995 W
Capacity on engine power ES600 MAX 0°C	8500 W
Capacity on engine power ES600 MAX -20°C	4370 W
Capacity on engine power ES150 MAX -20°C	2300 W
Capacity on engine power 2 X ES150 MAX 0°C	5755 W
Capacity on engine power 2 X ES150 MAX -20°C	3125 W
Capacity on electrical stand by ES600 MAX 0°C	8100 W
Capacity on electrical stand by ES600 MAX -20°C	4045 W
Capacity on electrical stand by ES150 MAX 0°C	3975 W
Capacity on electrical stand by ES150 MAX -20°C	2040 W
Capacity on electrical stand by ES300 MAX 0°C	4590 W
Capacity on electrical stand by ES300 MAX -20°C	2170 W

REFRIGERATION CAPACITY

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

ES600 MAX + ES600MAX	5225 m3/hr
ES800 MAX + ES300MAX	4830 m3/hr
Capacity On Engine Power ES800 0°C	8380 W
Capacity On Engine Power ES800 -20°C	4660 W
Capacity On Electrical Standby ES800 MAX 0°C	8125 W
Capacity On Electrical Standby ES800 MAX -20°C	4190 W
Capacity on engine power ES600 MAX+ES150MAX -20°C	4610 W
Capacity on engine power ES600 MAX + 2 X ES150MAX -20°C	5035 W
Capacity on electrical stand by ES600 MAX+ES150MAX 0°C	4445 W
Capacity on electrical stand by ES600 MAX + 2 X ES150MAX -20°C	4610 W

HEATING CAPACITY

On the road	5000 W
Electric Stand By Operation	5000 W

AIRFLOW

ON HIGH SPEED ENGINE OPERATION

ES600 MAX + ES600MAX	2491 x 2 m3/hr
ES800 MAX + ES300 MAX	2730 + 1643 m3/hr
ES600 MAX+ES150MAX	2491+1396 m3/hr
ES600 MAX + 2XES150MAX	2491+ (2x1396) m3/hr

TECHNICAL DATA

COMPRESSOR

Model	QP25
Displacement	250 cm3
Number of cylinders	10

REFRIGERANT CHARGE

Charge	30: 5.9 50: 6.2 kg
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GENERIC (BOXLENGTH, REFRIGERANT, ...)

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

DEFROST

Defrost	Automatic hot gas defrost
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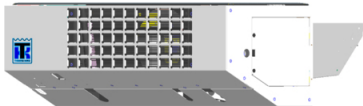
WEIGHT INCLUDING BATTERY

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

ELECTRICAL STAND BY MOTOR

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

SELF POWERED TRUCK - INTERMODAL



UNIT Width 1880 mm x Depth 735 mm x Height 630 mm
CONDENSER Width 1880 mm x Depth 735 mm x Height 630 mm

RT-800R

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			
REFRIGERATION CAPACITY		AIRFLOW	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		ON HIGH SPEED ENGINE OPERATION	
Capacity on engine power 0°C	7800 W	Airflow volume @ 0 pa static pressure	2700 m3/hr
Capacity on engine power -20°C	4200 W	Discharge velocity - airthrow	5.2 m/sec

TECHNICAL DATA			
COMPRESSOR		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Model	X214	Boxlength	6.5 - 7.5 m
		Refrigerant	R-404A/R-452A
		Airflow	2700 m3/hr
		Controller	Truck Smart Reefer 3
WEIGHT INCLUDING BATTERY		ENGINE	
Model 30	451 kg	Model	TK 370
Model 50	484 kg	Maintenance Interval	2000 hrs
		no. of cylinders/displacement	TK 370 / 3 / 855 cm3

ELECTRICAL STAND BY MOTOR	
Voltage / Phase / Frequency	400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
Rating	5.4 kW

T-1200R Intermodal

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			
REFRIGERATION CAPACITY SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		AIRFLOW ON HIGH SPEED ENGINE OPERATION	
Capacity on engine power 0°C	12500 W	Airflow volume @ 0 pa static pressure	3300 m3/hr
Capacity on engine power -20°C	6800 W	Discharge velocity - airthrow	6.4 m/sec

TECHNICAL DATA			
COMPRESSOR		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Model	X430 C5	Boxlength	13.6 m
		Refrigerant	R-404A/R-452A
		Airflow	3300 m3/hr
		Controller	Truck Smart Reefer 3

WEIGHT INCLUDING BATTERY		ENGINE	
Model 50	517 kg	Model	TK 376
		Maintenance Interval	2000 hrs
		no. of cylinders/displacement	TK 376 / 3 / 1115 cm3

ELECTRICAL STAND BY MOTOR	
Voltage / Phase / Frequency	400 / 3 / 50 -- 230 / 3 / 50 -- 230 / 3 / 60
Rating	7.5 kW

SELF POWERED TRUCK - UNDERMOUNT MULTI TEMPERATURE



UT-R Spectrum

CONDENSER Width 1608 mm x Depth 721 mm x Height 636 mm

PERFORMANCE			
REFRIGERATION CAPACITY		AIRFLOW	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		ON HIGH SPEED ENGINE OPERATION	
Capacity on engine power 0°C	11300 W	Airflow volume @ 0 pa static pressure	S-2: 1420 / S-3: 2350 / S-4.2: 2550 / S-4: 2840 m3/hr
Capacity on engine power -20°C	6400 W		
Capacity on electrical stand by 0°C	10300 W		
Capacity on electrical stand by -20°C	4500 W		
TECHNICAL DATA			
FEATURES		CONTROLLER	
Noise level	101 dB(A) guaranteed sound power level	General	TSR-3
COMPRESSOR		REFRIGERANT CHARGE	
Model	X430 C5	Charge	8.5 kg
Displacement	489 cm3		
Number of cylinders	4		
GENERIC (BOXLENGTH, REFRIGERANT, ...)		DEFROST	
Refrigerant	R-452A	Defrost	Automatic hot gas defrost
WEIGHT INCLUDING BATTERY		ENGINE	
Condenser	479 kg	Model	TK 376
Installation kit	10.8 kg	Rating	14.6 kW
Evaporator	S-2: 43 / S-3: 52 / S-4.2: 54 kg	Maintenance Interval	2000 hrs
		Number of cylinders	3
		Displacement	1116
ELECTRICAL STAND BY MOTOR		SOUND PRESSURE LEVEL	
Voltage / Phase / Frequency	230-400V / 3 Ph / 50-60Hz	High Speed Diesel	73.4 dB(A)
Rating	7.5 kW	Electric Standby	63.4 dB(A)

SELF POWERED TRUCK - UNDERMOUNT MULTI TEMPERATURE



UT-R Extreme

CONDENSER Width 1608 mm x Depth 721 mm x Height 636 mm

PERFORMANCE			
AIRFLOW			
ON HIGH SPEED ENGINE OPERATION			
Airflow volume @ 0 pa static pressure	3350 m3/hr		
TECHNICAL DATA			
REFRIGERATION CAPACITY HIGH AMBIENT TEMPERATURE (55°C)		FEATURES	
Capacity on engine power 0°C	7100 W	Noise level	101 dB(A) guaranteed sound power level
Capacity on engine power 20°C	12900 W		
CONTROLLER		COMPRESSOR	
General	TSR-3	Model	X430 C5
		Displacement	489 cm3
		Number of cylinders	4
REFRIGERANT CHARGE		GENERIC (BOXLENGTH, REFRIGERANT, ...)	
Charge	4.6 kg	Refrigerant	R-452A
DEFROST		WEIGHT INCLUDING BATTERY	
Defrost	Automatic hot gas defrost	Condenser	479 kg
		Installation kit	10.8 kg
		Evaporator	63.5 kg
ENGINE		ELECTRICAL STAND BY MOTOR	
Model	TK 376	Voltage / Phase / Frequency	230-400V / 3 Ph / 50-60Hz
Rating	14.6 kW	Rating	7.5 kW
Maintenance Interval	2000 hrs		
Number of cylinders	3		
Displacement	1116		
SOUND PRESSURE LEVEL			
High Speed Diesel	73.4 dB(A)		
Electric Standby	63.4 dB(A)		

SELF POWERED TRUCK - UNDERMOUNT SINGLE TEMPERATURE



UNIT Width 1797 mm x Depth 713 mm x Height 628 mm
CONDENSER Width 1797 mm x Depth 713 mm x Height 628 mm

UT-1200 S-3 + S-3

The benchmark in Undermount Refrigeration

- Whisper-quiet operation
- Low fuel consumption
- Smaller and lighter
- Easy, low-cost installation
- Easier service accessibility
- Advanced TSR-3 controller

PERFORMANCE			
REFRIGERATION CAPACITY		AIRFLOW	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT		ON HIGH SPEED ENGINE OPERATION	
Capacity on engine power 0°C	11200 W	Airflow volume @ 0 pa static pressure	4000 m3/hr
Capacity on engine power -20°C	6600 W	Discharge velocity - airthrow	9.5 m/sec
Capacity on electrical stand by 0°C	8000 W		
Capacity on electrical stand by -20°C	5100 W		

TECHNICAL DATA			
COMPRESSOR		REFRIGERANT CHARGE	
Model	TK 06 Scroll	Charge	4.5 kg
Displacement	98 cm3		

GENERIC (BOXLENGTH, REFRIGERANT, ...)		WEIGHT INCLUDING BATTERY	
Boxlength	7.5 - 9+ m	Model 50	495 kg
Refrigerant	R-452A		
Airflow	4000 m3/hr		
Controller	Truck Smart Reefer 3		

ENGINE		ELECTRICAL STAND BY MOTOR	
Model	TK 376	Voltage / Phase / Frequency	400 / 3 / 50 -- 230 / 3 / 60
Rating	14.6 kW	Rating	7.5 kW
Maintenance Interval	2000 hrs		
no. of cylinders/displacement	TK 376U / 3 / 1115 cm3		

SELF POWERED TRUCK - UNDERMOUNT SINGLE TEMPERATURE

	STANDARD FEATURE	OPTION FACTORY FITTED	OPTION DEALER FITTED
LIFE COST MANAGEMENT			
ThermoKare Service contracts			x
Cycle-Sentry start/stop control system	x		
EMI 2000 extended maintenance	x		
Fuel level sensor		x	x
Thermo King high performance battery	x		
Thermo King Energy battery		x	
Premium AGM battery		x	
2-year warranty coverage	x		
DATA CAPTURE & COMMUNICATIONS			
TouchPrint data capture			x
TouchPrint Printer			x
ServiceWatch maintenance logger		x	
DAS (Data Acquisition System)		x	
TrackKing? (tracking and load monitoring)			x
Wintrac (data analysis software)			x
LOAD PROTECTION			
TSR-3 standard in-cab display	x		
Auto phase correction	x		
SafeGuard battery protection kit			x
Door switches		x	
Diesel/electric auto switching	x		
CUSTOMIZATION			
TSR-3 premium in-cab display		x	
TSR-3 rear remote control		x	
Flexible hoses			x
Electronic Fuel Capture			x
Remote Status Light and Combination Display			x
Evaporator guard			x
Body mount enclosure			x
90L fuel tank		x	x
Triple Combo Display			x

SELF POWERED TRUCK - UNDERMOUNT SINGLE TEMPERATURE



UT-1400R S-3 + S-3

CONDENSER Width 1608 mm x Depth 721 mm x Height 636 mm

PERFORMANCE			
REFRIGERATION CAPACITY		HEATING CAPACITY	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT			
Capacity on engine power 0°C	12200 W	Capacity on engine power -18°C	4400 (+18C box) W
Capacity on engine power -20°C	6600 W	Capacity on Electrical Stand-By power -18°C	3200 (+18C box) W
Capacity on electrical stand by 0°C	9900 W		
Capacity on electrical stand by -20°C	4900 W		
AIRFLOW			
ON HIGH SPEED ENGINE OPERATION			
Airflow volume @ 0 pa static pressure	4450 m3/hr		
TECHNICAL DATA			
FEATURES		CONTROLLER	
Noise level	101 dB(A) guaranteed sound power level	General	TSR-3
COMPRESSOR		REFRIGERANT CHARGE	
Model	X430 C5	Charge	4.85 kg
Displacement	489 cm3		
Number of cylinders	4		
GENERIC (BOXLENGTH, REFRIGERANT, ...)		DEFROST	
Refrigerant	R-452A	Defrost	Automatic hot gas defrost
WEIGHT INCLUDING BATTERY		ENGINE	
Condenser	479 kg	Model	TK 376
Installation kit	10.8 kg	Rating	14.6 kW
Evaporator	104 kg	Maintenance Interval	2000 hrs
		Number of cylinders	3
		Displacement	1116
ELECTRICAL STAND BY MOTOR		SOUND PRESSURE LEVEL	
Voltage / Phase / Frequency	230-400V / 3 Ph / 50-60Hz	High Speed Diesel	73.4 dB(A)
Rating	7.5 kW	Electric Standby	63.4 dB(A)

SELF POWERED TRUCK - UNDERMOUNT SINGLE TEMPERATURE



UT-1400R E-Evap

CONDENSER Width 1608 mm x Depth 721 mm x Height 636 mm

PERFORMANCE			
REFRIGERATION CAPACITY		HEATING CAPACITY	
SYSTEM NET COOLING CAPACITY UNDER A.T.P. CONDITIONS AT 30 °C AMBIENT			
Capacity on engine power 0°C	13100 W	Capacity on engine power -18°C	4400 (+18C box) W
Capacity on engine power -20°C	7100 W	Capacity on Electrical Stand-By power -18°C	3200 (+18C box) W
Capacity on electrical stand by 0°C	10400 W		
Capacity on electrical stand by -20°C	5300 W		
AIRFLOW			
ON HIGH SPEED ENGINE OPERATION			
Airflow volume @ 0 pa static pressure	3350 m3/hr		
TECHNICAL DATA			
FEATURES		CONTROLLER	
Noise level	101 dB(A) guaranteed sound power level	General	TSR-3
COMPRESSOR		REFRIGERANT CHARGE	
Model	X430 C5	Charge	4.6 kg
Displacement	489 cm3		
Number of cylinders	4		
GENERIC (BOXLENGTH, REFRIGERANT, ...)		DEFROST	
Refrigerant	R-452A	Defrost	Automatic hot gas defrost
WEIGHT INCLUDING BATTERY		ENGINE	
Condenser	479 kg	Model	TK 376
Installation kit	10.8 kg	Rating	14.6 kW
Evaporator	63.5 kg	Maintenance Interval	2000 hrs
		Number of cylinders	3
		Displacement	1116
ELECTRICAL STAND BY MOTOR		SOUND PRESSURE LEVEL	
Voltage / Phase / Frequency	230-400V / 3 Ph / 50-60Hz	High Speed Diesel	73.4 dB(A)
Rating	7.5 kW	Electric Standby	63.4 dB(A)