THERMO KING

T-1080R

QUICKTEMP TECHNOLOGY

QuickTemp technology utilizes an electronic throttling valve system, and is standard on all T-80 Series units. QuickTemp allows you to realize major long-term benefits, including significant fuel savings, improved temperature control and reduced maintenance.

RELIABLE RECIPROCATING COMPRESSOR

The industry standard for proven reliability and easy service.

- High volumetric efficiency vs. other reciprocating compressors due to more pumping capacity per cubic inch
- Reliable, time-tested design
- Field-repairable for easy service
  - No special tools or facilities required
  - Removable and replaceable cast iron cylinder sleeve design

KEY OPTIONS

Customize your unit to fit your business needs:

- ☐ SmartPower™ Electric Standby (230V or 460V)
- ☐ Premium Display
- ☐ Whisper™ Plus Noise Reduction

- ☐ Top Cover & Screen
- ☐ Battery Box
- ☐ 30 Gallon Fuel Tank

- ☐ Electronic Door Switch
- ☐ Body Mount HMI
- ☐ Flush Mount HMI

System Performance

Refrigeration capacity: System net cooling capacity at 100°F ambient temperature and high speed engine/60 Hertz electric power

Return air to evaporator			
	35°F	**0°F**	**−20°F**
Engine Power BTU/hr (Up to)	30,500	18,000	10,500
Electric Power BTU/hr (Up to)	26,500	14,500	10,000
Heating capacity (35ºF/0ºF ambient)			
Engine power (BTU/hr)		14,000	
Electric power (BTU/hr)		7,700	
Airflow: on high speed engine operation			
Airflow volume @ 0 Pa static pressure		1600 ft³/min	
Discharge Velocity (Air Throw)		18 ft/sec	
Weight (Condensing Unit):			
Standard: cooling/heating on engine operation		999 lbs	
With SmartPower electric standby: cooling/heating on engine/electric standby		1108 lbs	
Engine: 3 cylinder, liquid cooled			
Model		TK 370	
Rating		15 hp	
Maintenance Interval		2000 hrs	
Compressor: lightweight aluminum alloy			
Model		X214	
Displacement		14 cu. in.	
Electric standby motor			
Voltage / phase / cycles		230/3/60	
Rating		7.2 hp	
Refrigerants: R-404A zero Ozone Depletion Potential (ODP), internationally approved			
Charge		7.0 lbs	

SIDE VIEW

919 mm (36.2 in)
368 mm (14.5 in)
323 mm (12.7 in)
28 mm (1.1 in)
See note below

TOP VIEW

1237 mm (48.7 in)
752 mm (29.6 in)

FRONT VIEW

1887 mm (74.3 in)
617 mm (24.3 in)
163 mm (6.4 in)
OPTION
610 mm (24.0 in)
254 mm (10.0 in)
ARD538

NOTE: The top of the unit to be mounted flush with the top of the cargo box when possible. The top of the evaporator to be positioned 25.4 mm (1.00 in.) below ceiling.

The dimension from the top of the cargo box to the evaporator cutout will vary depending on the type of box, truck cab tilt clearance. etc.

T-680R and T-880R minimum dimension = 107 mm (4.25 in.)

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Ingersoll Rand