



X⁴ 7700

Single-Temperature Trailer Refrigeration Unit



**THE PREMIUM PERFORMANCE UNIT FOR
HIGH CAPACITY, GREATER FUEL ECONOMY
AND ENVIRONMENTAL SUSTAINABILITY.**



Condenser Dimensions

76.4" x 85.7" x 22.8"
(1,940 x 2,176 x 579 mm)

Evaporator Dimensions

66.3" x 45.2" x 8.2"
(1,684 x 1,149 x 208 mm)

Body Opening

66.8" x 46.0"
(1,696 x 1,168 mm)

Approximate Weight

1,690 lb. (767 kg)
Remote 50 gallon aluminum fuel tank with
mounting brackets: 65 lb. (29 kg)
Battery: 50 lb. (23 kg)

Cooling/Temperature Capacity

Ambient at 100°F (38°C)

Evaporator Return Air Temp.	High Speed Diesel Operation	
	BTU/hr	Watts
35°F (2°C)	68,000	19,930
0°F (-18°C)	37,000	10,845
-20°F (-29°C)	24,000	7,034

Evaporator Airflow:

Applied system performance:
3,050 cfm (5,180 m³/hr)

The X4™ 7700. A premium performance unit featuring a new smart engine that raises the bar for refrigeration performance, efficiency and sustainability.

Ultra-high capacity. Delivers our highest capacity along with fast pulldown, precise temperature control and peace of mind for the most demanding applications.

Ultra-high efficiency. Demonstrated 20% better fuel economy than its standard counterpart, thanks to the X4 7700 unit's advanced smart engine. Common-rail fuel injection optimizes fuel delivery by 5% to 10%, and the engine's new third "eco" speed adds significantly more fuel savings by reducing engine RPMs during intervals when conditions permit, improving operating efficiency over normal low-speed operation.

Enhanced compliance. Reduced emissions that surpass EPA Tier 4, and lifetime compliant with California Air Resources Board (CARB) requirements without the need for future exhaust systems. Sustainability enhanced with R-452A, a refrigerant with lower global warming potential.

Proven reliability and low cost of ownership. Combining innovative engineering with a straightforward, practical design reduces engine run hours and lowers maintenance costs.

Standard Features Include:

- Tier 4 Final V2403L smart diesel engine
- 4 cylinder 2.4 liter direct injection
- 24.4 hp (18.5kW) at 1,800 RPM high speed
- CAN bus electronic interface
- 15 qt. (14.2 liter) oil capacity
- High power 70 amp alternator
- ESI™ (Extended Service Interval) package
- 3,000 hour service interval
- Multistage, synthetic media oil filter
- Water separating fuel filter
- Heavy duty, low noise dry air cleaner
- Extended life coolant
- 05G 41CFM compressor
- 40 in³ displacement
- 6 cylinders
- Refrigerant R-452A, 16.5 lb (7.5 kg)
- UltraFresh 3™ temperature control
- TRU-DEMAND™ high energy efficiency
- Electronic expansion valve
- Electronic suction modulation
- Compressor unloaders
- Brazed plate heat exchanger
- Automatic start/stop fuel saver
- Automatic hot gas heating system
- Lynx Fleet™ telematics platform for remote monitoring and control
- APX™ Control System
- IntelliSet™ with ProductShield™
- DataLink™ data recorder
- Information dashboard
- Multilingual graphical display
- Pretrip and Virtual Tech diagnostics
- Integrated USB port

Standard Features (continued):

- High efficiency microchannel condenser
- V-Force™ vortex suppression fan
- TurboAir™ evaporator management
- Premium ECR hoses
- Composite doors with single-latch release
- Installation package
- Screw post battery terminals
- Remote aluminum fuel tank
- 50 gal. single fill, 22"
- Remote light bar
- Full bottom panel

Accessories and Options:

- Open trailer door indicator and shutdown switches
- 27W TRU-Mount Solar Charging System
- Fuel heater
- Evaporator drain line extensions
- APX Remote Control Panel
- Remote temperature probes
- Stealth™ 2 noise reduction package
- Unit impact protection bumpers
- High power 105 amp alternator
- Fuel tank level and shutdown sensor
- Chrome grille/stainless latch package
- AutoFresh™ air exchange
- Remote aluminum fuel tanks:
- 30 gal. or 75 gal. single fill, 22"
- 100 gal. single or double fill, 22"
- 120 gal. single or double fill, 22"



Specifications are subject to change without notice.

Warranty: Product warranty and limitations are outlined in Form 62-11669.

This warranty is applicable only in North America. Consult your Carrier Transcold representative for warranty coverage elsewhere. Form 62-12247.

North America

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