



**X<sup>4</sup> 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  
Braze 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"

**APX™**  
CONTROL SYSTEM



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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#### Central America and Mexico

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