



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
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

Carrier Transcold
700 Olympic Drive
Athens, GA 30601 USA

Central America and Mexico

Carrier Transcold
Ejercito Nacional 253-A Piso 5
Colonia Anahuac
11320 Mexico D.F.