



Proven Reliability

16 years of development with the industry's highest quality components and best design has resulted in an unmatched unit with all-around capabilities.

High Refrigeration Output

High torque engine provides all the power the compressor needs, resulting in deep frozen capacity even in the most demanding environments.

Variable Speed Operation

Industry first of stepless speed control, engine speed matches refrigeration system demands. A 1270 RPM minimum speed and 1800 RPM maximum speed saves fuel and cuts noise.

Robust Electrical System

Recognizing the increased electrical demands imposed by telematics, the system comes standard with a 45W solar panel designed to trickle-charge a premium EFB (Enhanced Flooded Battery).

Direct Drive Technology

Hybrid based technology direct couples the diesel engine and the generator, eliminating problematic centrifugal clutches and fast wearing drive belts.

Quietest Operation

Whisper quiet diesel operation, virtually silent electrical operation.

Industrial Diesel Engine

Uses a common rail injection to meet EPA Tier 4f regulations (No EGR, DPF or DOC).

Standard 480v Shore Power

Provides zero local dock emissions. Shore power connection is located below TRU.

620 HYBRID SINGLE TEMPERATURE TRU

STANDARD FEATURES

Engine

- EPA Tier 4 Final Common Rail Diesel, cleaner burning and more fuel efficient than standard mechanical injection.
- HATZ 4 Cylinder 2.0-liter water cooled industrial diesel engine
- 24.9 HP at 1800 RPM booster high speed
- High torque output, allows a lower fuel-saving high speed, dramatically reducing engine noise
- Electronic variable speed engine control
- Fuel-saving, ultra high-pressure BOSCH common rail injection
- Tuned intake suppressing diesel drone
- 50 Gallon 22" single filler, industry standard aluminum fuel tank

Engine Servicing

- Self priming fuel system
- Simplified construction eases servicing and repair access
- 3000 hour service interval
- 9.6 qt oil capacity, regular mineral API CK-4 (Low Ash) Oil, 10W-40 supplied
- Automatic adjusting valve lifters, no cam belt
- Water pump driven by a long life serpentine belt (6,000 hours)
- Long life fuel filter with water separator
- Transparent lift pump fuel filter for ease of inspection
- Long life coolant
- Water drain on aluminum fuel tank
- Advanced CAN diagnostics

Electrical

- Direct drive permanent magnet 480v generator
- Solid state 12v 40A battery charger
- 45W 12v top-mounted solar panel, angled for drainage with charge controller
- 850CCA 98AH EFB Group 48 (H8) battery
- 480v automatic phase reversal
- Standard shore power requirements, 480v/30amp/3ph/60Hz
- Industry standard shore power socket located on bottom of TRU (Hubbel HBL430B7W)

Refrigeration System

- High performance, industry trusted 4 cylinder piston compressor
- Fuel-saving compressor unloaders
- Electronic suction modulation valve output control
- Electrical heating and defrost system, dramatically reduces duty cycle on compressor
- Evaporator in core electrical defrost rods provide faster defrosting
- Front mounted efficient microchannel condenser coil
- 11 lbs R452a refrigerant



Integrated Airflow

- Advanced open fin evaporator, half as many defrost cycles
- Flexible rubberized snorkels transition air from unit to ceiling
- 3 unequal length air chutes deposit air equally throughout the compartment
- Variable speed, high-velocity fans provide powerful air flow
- Removable & cleanable FG Vortex bulkhead smoothly directs return air

Micro & Electronics

- Fast power up micro controller
- Multi language display
- Easy access max output modes, normal, eco, and booster
- SMV modulation for top freeze prevention
- Rear door switch
- Ultrasonic fuel level sender
- Combination LED fuel level sensor and alarm light
- Low voltage Battery disconnect
- CAN & LIN bus data connectivity and expansion
- Over-the-air system software capable and Cargobull Sets
- Remote data transmission enabled

Body Shell and Construction

- Galvanized & coated frame
- 2 piece bolted frame
- Low profile avoids impact damage and allows for close coupling for increase fuel efficiency
- Full bottom panel
- Bottom discharge engine bay cooling fan
- Durable plastic full width doors with single latch
- Silent kit, sound absorbing doors

Cargobull CTU Pro System

- Independent temperature probe at evaporator return air
- Direct CAN bus control & data sharing
- Local memory & long term cloud storage
- WiFi connection to local app
- 4G & 5G GSM data transmission
- 5 Years data service included

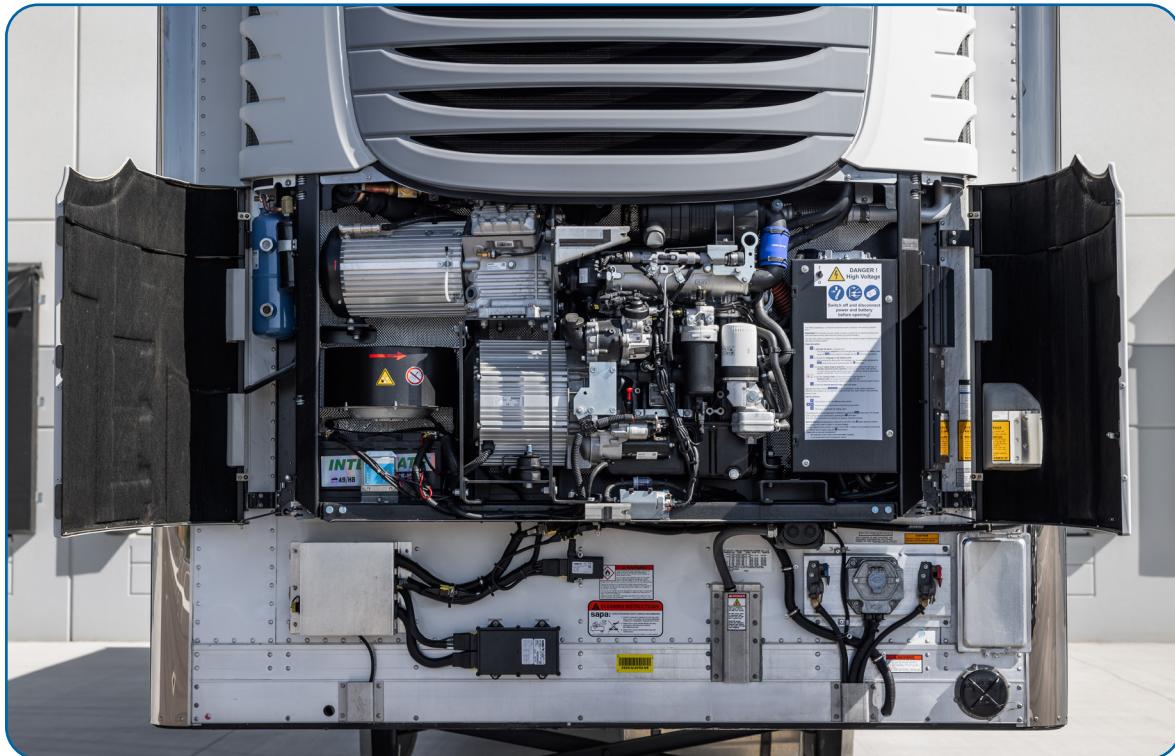
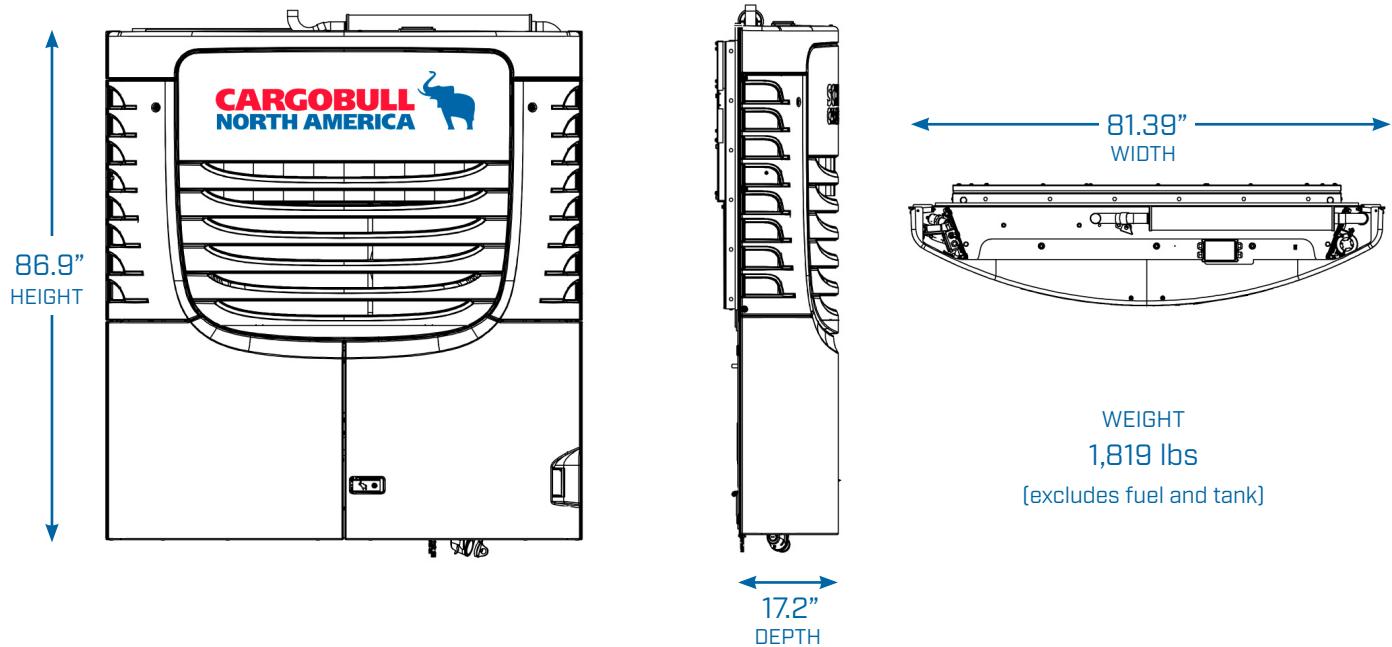
Accessories and Options

- Shore power at rear roadside of trailer
- Rear remote-control panel
- Liftgate battery pack charging
- Up to 3 additional temperature probes
- Shore power brake interlock
- CAN gateway splitter



The First Name In Trailers®

UNIT WEIGHT & DIMENSIONS



For more information or to
find a dealer near you, scan
the QR Code.

Specifications, images, data and availability
subject to change without notice.