

20/40/45' City Combo Tridem with Genset Specification

Released on November 30th, 2023

1. Model: TITS/3ASH4506CA Contract No.: THACO-OT-23 (/) UNITS)

This chassis is designed for transporting one ISO 20', one ISO 40' or one ISO 45' containers.

This chassis meets all DOT, AAR, ANSI, TOFC, CMVSS, SAE and TTMA specifications.

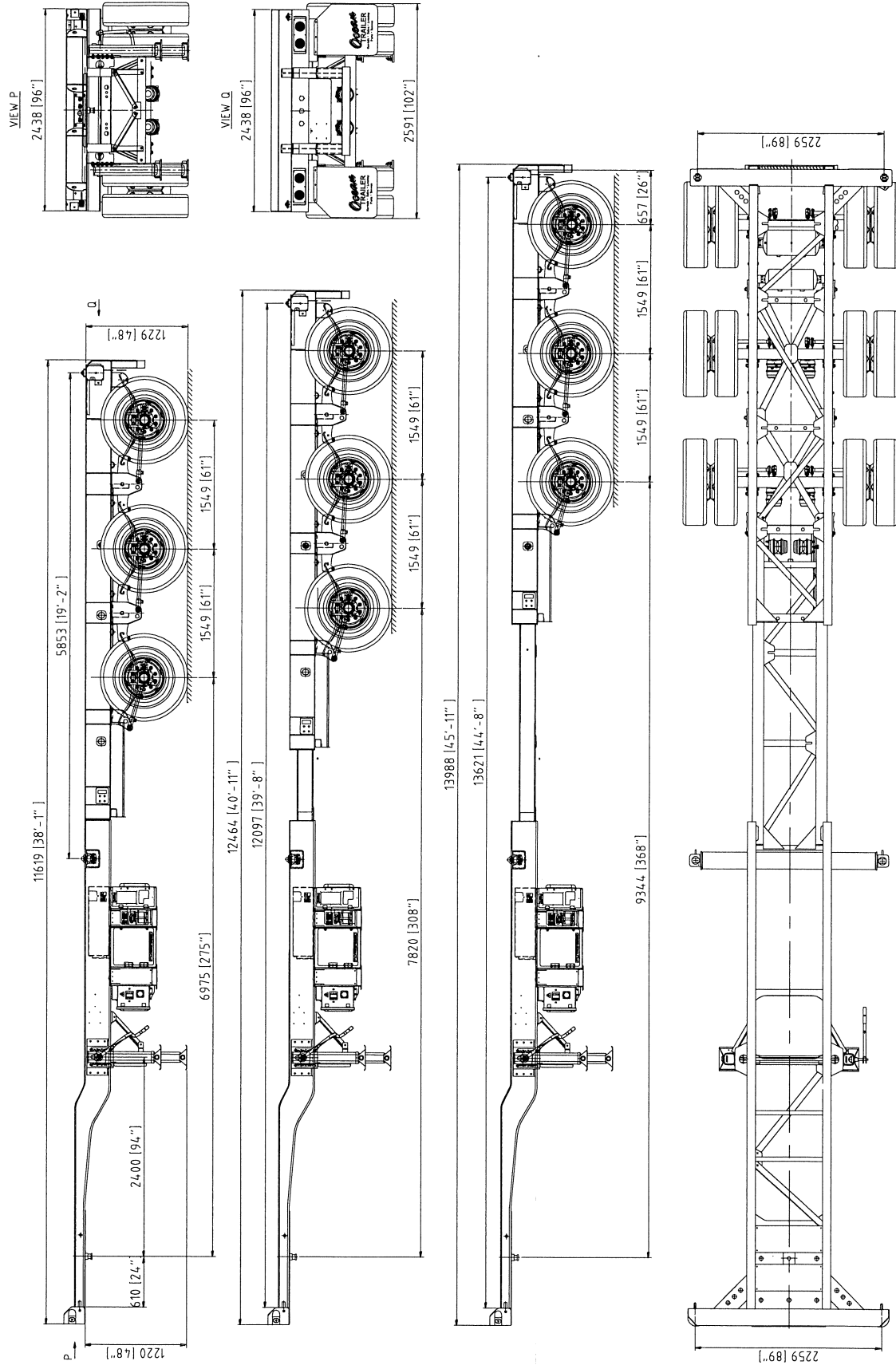
2. General

Overall Length:	38' 1" retracted or 45' 11" extended
Overall Width:	96" (over tire 102")
Fifth Wheel Height:	47 ± 1"
Max Rear Height:	48 ± 1"
Kingpin Location:	24" (From rear face of front bolster)
Landing gear Location:	94.5" (From centerline of kingpin)
Axle Spread:	61" + 61"
Tridem Location:	25 7/8" (From rear face of rear bolster)
Tare Weight:	10,000 lbs ± 2%
Payload:	49,400 lbs in 20' position; 67,200 lbs in 40' or 45' position

3. Steel Structure & Components

Front Main beam:	Fabricated I-beam with high strength Grade 80 steel 4" x 1/2" top flange and 4" x 25/32" bottom flange with 3/8" web.
Cross member:	Fabricated 3/16" thick channel with profiled bar type diagonal brace.
Upper Coupler:	5/16" pick up plate with JOST 2" diameter square type king pin per SAE standard, 380-420 HB, with 2" water drain holes, design to be integrated with main frame through welding.
Front Bolster:	8" wide x 10" high x 1/4" thick open section, with 3 1/2" chamfer in full length for gathering container in operation. 7-way receptacle and glad hands are located in the center of front bolster. Casted corner caps (TOCA 905-940-000-RS/CS).
Front Locking pin:	TOCA 905-910-000-LH/RH
Center Bolster:	5 7/8" wide x 3/8" thick top plate with 5" wide x 5" deep x 5/16" thick "U" type bottom channel. Grade 80 steel.
Center twist Lock:	TOCA 905-160-000
Rear Bolster:	8" wide x 3/8" thick top plate with 6 7/8" wide x 8" deep x 1/4" thick "U" type bottom channel.
Rear twist Lock:	TOCA 905-130-000-90-LH/RH
Rear Bumper:	4" x 4" square tube step with taper "H" section vertical member with 4" wide x 3/8" thick steel flange and 1/4" thick web. Bar is welded to uprights and main beam.
Extension Beam:	Fabricated 7 5/8" tall x 5 1/4" wide I-beam with high strength Grade 100 steel flanges.
Rear Main beam:	W12@19lb/ft hot-rolled H-beam, ASTM A572 Grade 50 or equivalent.
Locking system:	Air operated locking pins, Activated by 24/24 spring brakes on both sides of the trailer through third glad hand on front sill.
Landing Gear:	AXN FW32E00J with 60,000 lbs capacity, 2-speed 17" travel with low "T" shoes. Crank handle is located on the driver's side of the chassis. Pre-painted BLACK RAL9005 color. Landing gear brackets are bolted on the main beam as the layout.
Suspension:	AXN OS 61" tri-axle, overslung configuration with high-arch 3-leaf spring (354-00). Pre-painted BLACK RAL9005 color.
Axles:	AXN 5" round axles with 22,500lb capacity; 77.5" track, Q+ 16.5"X7" 4707Q brake with AXN R23 linings. Dust shields are provided. Pre-painted BLACK RAL9005 color. 1.5-28 spline, HALDEX 5.5" automatic slack adjusters with stroke indicators. Reserved PSI interface; Heat Sensing Labels. Axle Installation orientation: 90 degrees rear, Chambers DOWN (2 abs ready front and rear, 1 non abs mid per unit).
Wheel end:	AXN Hub & Drum Assembly P/N H30-0647BFNTZ/H30-0647BFNZ, STEMCO 358-4009 Integrated Sentinel Grease Hub Cap, STEMCO seals and bearings. Spindle nut: STEMCO Pro-Torq P/N 447-4743. (5-year warranty wheelend).
Lubricant:	Petro Canada precision synthetic EP 00 semi fluid grease lubricant.
Wheels:	SUNRISE 22.5 x 8.25 10-stud hub-piloted wheels with 5 hand holes and with TR572 valve stem. Pre-painted white color.
Tires:	SAILUN 11R22.5-16PR tubeless type, S665 tread without owner's logo.
Brake System:	SEALCO 110800 spring brake priority valve system, SEALCO 110580 control line valve and WABCO 4S/2M ABS system. PHILLIPS glad hand 12-13807 and 12-13607. TECTRAN 3/8" blue air tube for control and 1/2" red for supply. HALDEX Goldseal T30/30, 2.5" stroke brake chamber. FUWA air tanks.
Electrical:	PHILLIPS mold seal wiring harness, Reserved PSI and GPS connector. (10-year warranty) OPTRONICS LED lights (amp connections for S/T/T lights and .180 bullets for others). The theft proof design used for 4" LED lighting.
Electrical Receptacle:	PHILLIPS 15-7292 zinc alloy material with solid pins.
Document Holder:	PHILLIPS 16-802. Installed on roadside near crank handle.
Conspicuity tape:	"AVERY" brand. Installed per federal regulations.
Painting:	Abrasive blast of all metal surfaces - not less than SA-2.5 to achieve clean bare steel. Surface will be coated with electrophoresis primer and powder topcoat. Color BLACK RAL9005 and at the corner painted YELLOW color. Total thickness not less than 80µm after dry membrane. Coating supplier: PPG.
Marking:	Customer configuration (includes Decal, layout, VIN, nameplate).
Hubodometer:	NONE
Tire Inflation System:	NONE
Mud flaps:	30"x24"x1/4" Black PVC mud flaps with "OTR" logo and address.

4. Layout



confirmed by CUSTOMER

confirmed by THACO