

SPECIFICATIONS

1. PURPOSE

This chassis is designed for transporting a 40' or a 45' ISO container and meets all D.O.T., A.A.R., ANSI, T.O.F.C., FMVSS, SAE and TTMA specifications.

2. GENERAL

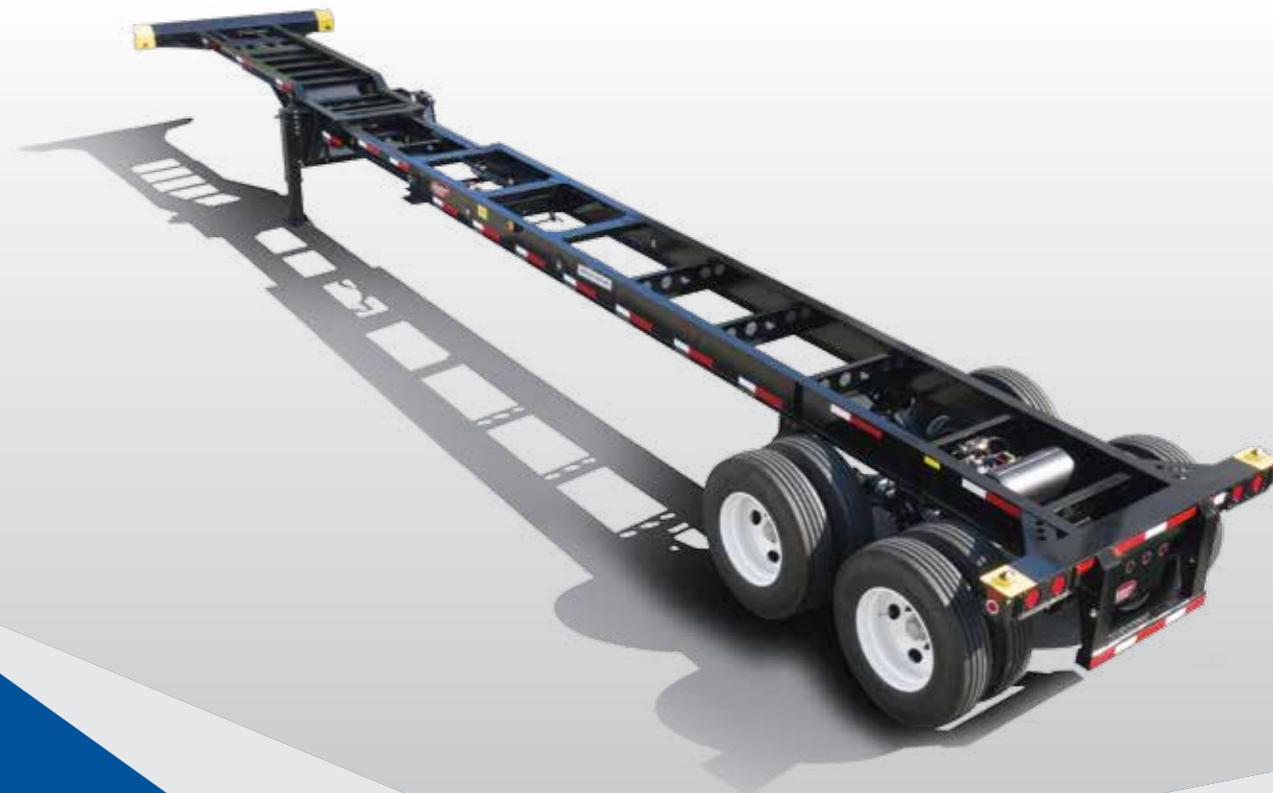
Overall Length	40'-8" or 45'-8" (Excluding dock bumpers)
Overall Width	96"
Overall Height	58"
Fifth Wheel Height	48 ± 1"
Kingpin Location	30" (From the rear face of the front bolster)
Landing Gear Location	100" (From the kingpin center)
Axle Spread	49"
Tare Weight	7,300 lbs ± 2%
Payload	67,200 lbs (30,480kgs)

3. STEEL STRUCTURE AND COMPONENTS

Main beam	W12@19lb/ft hot-rolled H-beam, ASTM A572 Grade 50 or equivalent
Cross member	3/16" thick x 3" wide x 9" deep channel with profiled bar type diagonal brace
Gooseneck mmber	5-1/4" deep x 4" wide fabricated H-beam, 1/2" thick flanges and 1/4" thick web
Upper coupler	1/4" pick up plate with JOST 2" diameter square type king pin per SAE standard
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 on the roadside/center of front bolster. Casted corner caps.
Rear Bolster	8" wide x 3/8" thick top plate with 7" wide x 6-5/8" deep x 1/4" thick "U" type bottom channel
Rear Bumper	4" x 4" square tube step with taper "H" section vertical member Bar is welded to uprights and main beam.
Frame Extension	7-5/8" deep fabricated I-beam with 5-1/2"x3/8" flanges and 1/4" thick web, easily operated self-locating and self-locking spring loaded pin mechanism is used to lock the frame
Front locking pin	Buffers 1213
Rear Twist lock	Buffers 1257
Landing gear	AXN 60,000 lbs capacity, 2-speed 19" travel with low "T" shoes Crank handle is located on the driver's side of the chassis.
Suspension	AXN mechanical tandem suspension with 3-leaf springs
Axes	AXN 5" round axles with 22500lb capacity, 71.5" track, 16.5"X7" brake; Stemco bearing/seal, HALDEX 28 spline, HALDEX 5.5" automatic slack adjusters, Stemco P/N 352-4009, hub internally vented; 10 HUB piloted hubs with 20K standard AXN cast steel drum (1 abs ready front, 1 non abs rear per unit). Reserved PSI interface, heat sensing labels
Lubricant	Mobilith SHC007 synthetic grease lubricant with metal hubcap
Wheels	Sunrise/Jingu 22.5 x 8.25 hub-piloted wheels
Tires	Westlake 11R22.5-14PR tubeless type
Brake System	Sealco 110800 spring brake priority valve system and WABCO 2S/1M ABS brake system Phillips glad hand 12-0061 and 12-0081 and HALDEX T30/30 stroke brake chamber 3/8" blue air tube for control and 3/8" red for supply, HOOSIER air tanks, meet FMVSS 121
Electrical	OPTRONICS 12-volt LED lighting with Phillips mold seal wiring harness (Reserved PSI and GPS connector), meet DOT and SAE standards. The theft proof design is used for 4" LED lighting.
Painting	Abrasive blast of all metal surfaces – not less than SA-2 to achieve clean bare steel Surface will be coated with electrophoresis primer and true acrylic aliphatic urethane topcoat, color optional, total thickness not less than 80µm after dry membrane
MISC	THACO standard marking, document holder, conspicuity tape, 24"x27" black rubber mud flaps
Option	Hubodometer, PSI tire inflation system without Thermal-Alert

THACO

40'/45' EXTENDABLE SEMI-TRAILER



COLOR



Website
www.thacosv.vn

• CHASSIS

Modern design with the most advanced technology, hot rolled so the stress is evenly distributed, high-strength alloy steel materials, solid structure increase the load capacity with high stability.



Cross member linked chassis structure can stand high bending force

Mechanical suspension, 3-leaf spring (354-00)



• PAINTING

Chassis using Electro Deposition painting technology to increase the painting durability



• KINGPIN

Fabricated by hot forged steel, welding type Ø50mm



• RIM & TIRE

Wide and deep tread enhances cost per mile-age, driving stability and traction

+ Rim: SUNRISE/JINGU - 8.25x22.5

+ Tire: Westlake – 11R22.5-14PR Tubeless Type



• SUSPENSION SYSTEM

+ Brand: AXN

+ Capacity: 10,125kg (22,500Lbs)

+ Brake: Ø420mm (16.5")



• ELECTRICAL SYSTEM

LED light 12V, Red PC rated marker/clearance light, recess flange mount, weathertight connection

• LANDING GEAR

+ Model: JOST/ AXN

+ Dynamic Load/ Pair: 24,750 ~ 27,000 kg



• BRAKE SYSTEM

ABS Valve: Wabco 2S/1M

Brake Chamber: HALDEX T30/30

Air tank: HOOSIER 46L



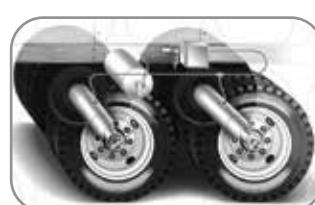
• OTHERS

PSI Tire Inflation System

Hubodometer

Front Locking pin

Rear Twist Lock



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