

GENERAL	
Overall Length	40'-11" retracted or 45'-11" extended
Overall Width	96"
Overall Height	58"
Fifth Wheel Height	48 ± 1"
Rear Deck Height	48 ± 1"
Kingpin Location	30" (From rear face of front bolster)
Landing gear Location	100" (From the kingpin center)
Tandem Location	54" (From rear face of rear bolster)
Axle Spread	49"
Tare Weight	7,300 lbs±3%
Payload	67,200 lbs (30,480kgs)
STEEL STRUCTURE & 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.
GN member	5-1/4" deep x 4" wide hot-rolled H-beam, ASTM A572 Grade 50 or equivalent, with 1/2" thick flanges and 1/4" thick web.
Upper Coupler	1/4" pick up plate with 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 in the center of front bolster. Bent corner caps.. Option Cast 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.
License plate bracket	Extending from rear bolster within envelope of ICC bumper. Plate is to contain rear fleet number & license plate..
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	1103-1213-L/R.
Rear twist Lock	1102-1259-L/R.
Landing Gear	"65,000 lbs capacity, 2-speed 17" travel with low "T" shoes. Crank handle is located on the driver's side of the chassis. . Landing gear brackets are welded on the main beam as the layout.
Suspension	H9700 mechanical tandem suspension, overslung configuration with <b>Thaco Springs (Vietnam)</b> high-arch 3-leaf spring (354-00). .
Axles	5" round axles with 22,500lb capacity; 71.5" track; 16.5"x7" 4515Q brake. Dust shields are provided.
	1.5-28 spline, 5.5" automatic slack adjusters.
	Reserved PSI interface; Heat Sensing Labels.
	Axle Installation orientation 270 degrees FRONT, chambers UP (1 abs ready front, 1 non abs rear per unit).
Wheel end	Hub & Drum Assembly. 340-4370 solid Aluminum Grease hub cap. Seals P/N Scotseal plus XL 46300. Bearings. Spindle nut Double Nut.
Lubricant	Synthetic Semi-fluid grease lubricant.
Wheels	22.5 x 8.25 10-stud hub-piloted wheels with 5 hand holes and with TR572 valve stem.
Tires	11R22.5-14PR tubeless type.
Brake System	110800 spring brake priority valve system and 2S/1M ABS system. Glad hand 12-0061 and 12-0081. 3/8" blue air tube for control and 3/8" red for supply. Goldseal T30/30, 2.5" stroke brake chamber. <b>THACO CMC (Vietnam)</b> air tank.
Electrical	Mold seal wiring harness, Reserved PSI and GPS connector. 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	16-724 plastic material with split pins.
Document Holder	<b>THACO Plastic Components (Vietnam)</b> . Installed on roadside near crank handle.
Conspicuity tape	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. Total thickness not less than 80µm after dry membrane. Coating supplier <b>PPG (Vietnam)</b>
Marking	Standard configuration (includes Decal, layout, VIN, nameplate). .
Hubodometer	NONE.
Tire Inflation System	<b>PSI (USA)</b> Tire Inflation System with THERMalert.
Mud flaps	<b>THACO Plastic Components (Vietnam)</b> 24"x30"x1/4" White PVC mud flaps with "CUSTOMER" logo.



ThacoTrailers

40’/45’ EXTENDABLE TANDEM



Retracted Length	Extended Length	Overall Width	Payload	Tare Weight
40’ 11”	45’ 11”	96"	67,200 lbs	7,300 lbs

Adaptable and reliable, this chassis is engineered to handle both ISO 40' and 45' containers through its extendable design. Furthermore, its integrated locking pin release mechanism, housed within the main beam, safeguards against shearing forces and ensures maximum safe load capacity.



THACO INDUSTRIES TRAILERS AND HEAVY STEEL STRUCTURES  
MANUFACTURING LIMITED LIABILITY COMPANY

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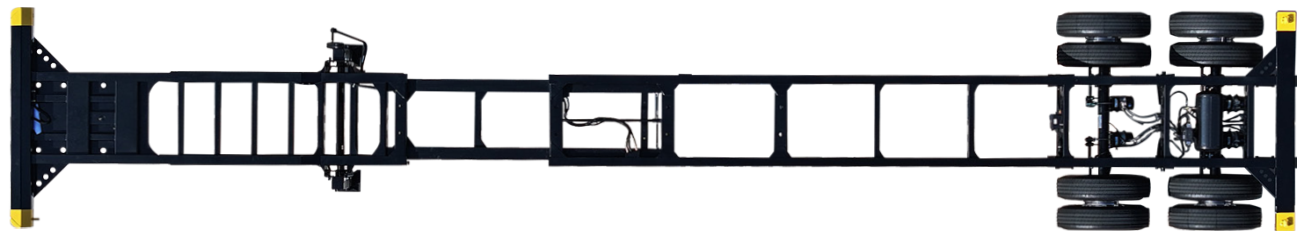
# STRENGTH – RELIABILITY – ADAPTABILITY

Thaco Trailers equipped cutting-edge technologies to create durable and reliable products



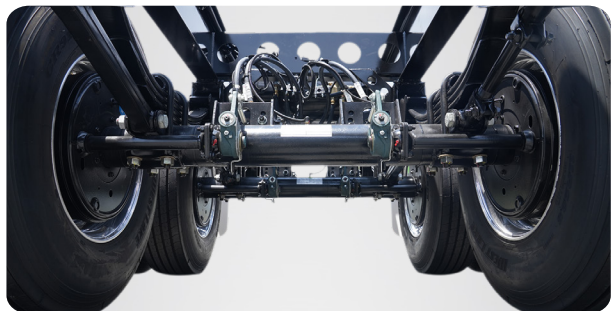
## CHASSIS

Modern design with the most advanced technology, high-strength alloy steel materials, solid structure increase the load capacity with high stability.



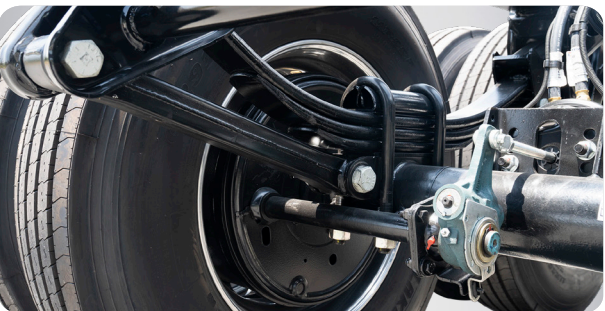
## AXLES

5" round axles with 22,500 lbs capacity increases load capacity and improves handling significantly.



## SUSPENSION SYSTEM

H9700 mechanical tandem suspension supports the spring assembly absorb greater loads, which increases load capacity.



## UPPER COUPLER

1/4" pick up plate with 2" diameter square type king pin per SAE standard is a strong and reliable connection between the tractor and trailer.



## LANDING GEAR

65,000 lbs capacity, makes trailer lift and lower operations easier when connecting a tractor.



## PAINTING

Surface treatment and painting processes including shot blasting, ED primer and powder topcoat are standard technical requirements.

- Paint finishes are warranted for up to 7 years.
- 1,000 hours of salt spray testing.



## WHEELS & TIRES

22.5 x 8.25 10-stud hub-piloted wheels are durable, precise, and safe wheels for heavy-duty trucks. 11R22.5-14PR tubeless type provides good traction on various terrains.



## ELECTRICAL SYSTEM

Mold seal wiring harness, protects wires from environmental factors and damage. LED lights are designed to be theft-resistant and withstand harsh conditions.



## BRAKE SYSTEM

Spring brake priority valve system improves vehicle performance and safety. 2S/1M ABS system improves vehicle control and reduces the risk of accidents.



## TIRE INFLATION SYSTEM

**PSI (USA)** Tire Inflation System with THERM alert improves fuel economy, longer tire life, better handling and enhances safety, more even tire wear



## STANDARD INFORMATION

- This chassis meets all DOT, AAR, ANSI, TOFC, F(C)MVSS, SAE and TTMA certifications.
- Locally-sourced components: Main frame, suspension system, leaf spring,...

