



TRIDENT

AXLE FORWARD



ADAPTABLE. POWERFUL. BUILT FOR BUSINESS.

The Mack Trident range is built with versatility in mind, proving itself in the heavy construction and line-haul applications.

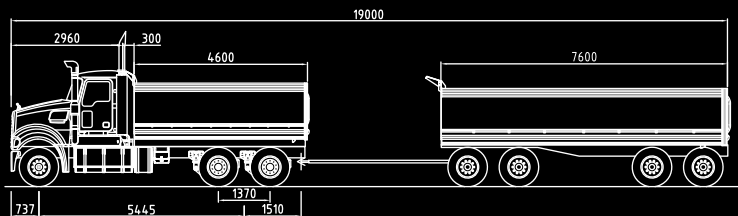
The Trident with axle forward configuration is perfect for extreme axle measurements to maximise payload.

The Mack Trident Axle Forward will make light work of navigating a tipper and dog on any worksite.

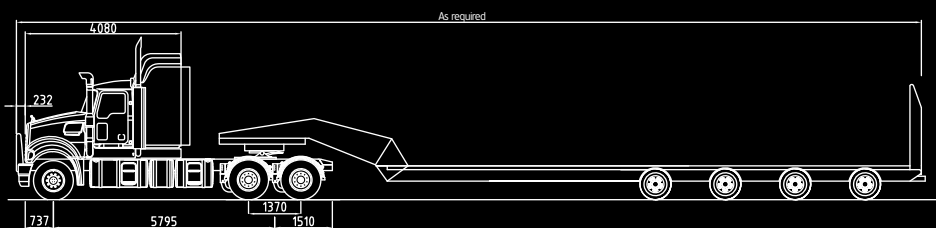
FEATURES

- » Perfect for tipper and dog applications
- » Powered by the Mack MP8 535Hp or 500Hp engine delivering up to 1920 lb-ft of torque
- » The front axle position offers optimum payload
- » *m*DRIVE automated manual transmission takes all the effort out of gear changes
- » Mack Grade Gripper – hill start assist
- » Quiet and comfortable cab
- » Great fuel economy and low emissions

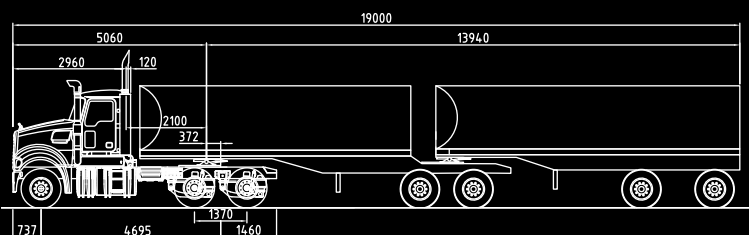
Designed and built in Australia for Australian conditions



TRIDENT 6X4 AF DAY CAB WITH TIPPER AND 4 AXLE DOG



TRIDENT 6X4 AF 52" HIGH RISE SLEEPER WITH LOW LOADER



TRIDENT 6X4 DAY CAB WITH 19 METRE B-DOUBLE



*Model shown is for illustration purposes only. Contact your Authorised Dealer for details of current options available.

BORN READY.

TRIDENT

AXLE FORWARD

ENGINE & TRANSMISSION

ENGINE

- » MACK MP8 12.8 litre
- » MAXI-CRUISE torque settings
- » Selective Catalytic Reduction (SCR)
- » Emission Level Euro5 (ADR80/03)

| | | |
|-----------------|------|------|
| Horsepower (Hp) | 500 | 535 |
| Torque (lb-ft) | 1840 | 1920 |

ENGINE BRAKE

- » Advanced PowerLeash engine brake
- » Engine retarding power up to 315Kw (495hp) @ 2,100rpm

AIR INTAKE & FILTER

- » Donaldson 279mm (11") single dry type element, dual canisters mounted under the cab
- » Painted steel dust extractors and external raised air intakes mounted in front of the cabin 'A' pillars

FILTERS

- » 2 full flow and 1 bypass engine mounted oil filters
- » 2 step dual engine mounted fuel filters/water separator

AIR COMPRESSOR

- » 2 CYL. 900 litres/min WABCO compressor

AIR DRYER

- » Bendix AD-IS air dryer

ALTERNATOR

- » Leece Neville 12volt/160Amp Brushed
- » Leece Neville 12volt/160Amp Brushless (optional)
- » Leece Neville 12volt/185Amp Brushless (optional)

STARTER

- » Delco Remy 39MTHD 12volt electric starter
- » Key type start and stop

FAN

- » Behr Visco drive (electric over viscous fan clutch)
- » 710mm (28") 9-blade nylon fan

RADIATOR

- » NL3, Frontal area 1,435in²

EXHAUST

- » Single RHS frame mounted catalyst with stainless heat shield
 - Outlet single RHS 152mm (6") vertical exhaust (Day Cab)
 - Outlet twin 152mm (6") vertical exhaust (Day Cab/Sleeper Cab)
 - Outlet single 127mm (5") underframe outlet (optional)
- » Exhaust tip height above ground 3.5mtr
- » Exhaust tip height above ground 4.2mtr (optional)

TRANSMISSION

- » Manual and Automated Manual transmissions (Refer Transmission Chart)
- » Transmission oil cooler

CLUTCH

- » Eaton 394mm (15.5") Easy Pedal with VCT Plus
- » Eaton 'Solo' with VCT Plus (optional)
- » SACHS 430mm (17") Single Plate (*mDRIVE* only)
- » Air assist clutch release

DRIVELINE

- » Spicer 10 series
- » SPL Maintenance Free (optional)

PTO OPTIONS

- » Rear of engine PTO (CA)
- » Transmission mounted PTO (optional on *mDRIVE*)
- » Prep kit, switch, wiring and software (*mDRIVE*) (optional)

TRANSMISSION SPECIFICATIONS

| MAKE | MODEL | MAX TORQUE CAPACITY | FWD GEARS | REV GEARS | LO/HI | TYPE |
|-------------------------------|------------------|---------------------|-----------|-----------|------------|------------------------|
| Mack <i>mDRIVE</i> (standard) | AT2612D (Direct) | 1,920ft-lbs | 12 | 2 | 14.94/1.0 | Fully Automated Manual |
| Eaton | RTLO20918 | 2,050ft-lbs | 18 | 4 | 14.40/0.73 | Manual |
| Eaton | RTLO22918 | 2,250ft-lbs | 18 | 4 | 14.40/0.73 | Manual |

Note: RTL020918 + MP8 535<60 tonnes

AXLES, SUSPENSIONS & BRAKES

FRONT AXLE

- » Mack FXL with unitised hubs (Refer Steer Axle Chart)
- » Axle position: Axle forward: 737mm

FRONT SUSPENSION

- » 1,321mm (52") long springs (Refer Steer Axle Chart)

BRAKES

- » Front and Rear automatic slack adjusters
- » Type 20 Front brake boosters
- » S' Cam with iron drums
- » S' Cam with centrifuse drums (optional)
- » Type 30/30 Rear brake boosters
- » Low tare alloy hubs (optional)
- » ABS or (optional) ABS with Traction Control
- » Grade Gripper - hill start assist
- » Road Stability Advantage (ESP - Electronic Stability Program)
 - optional for tractors only

STEERING GEAR

- » Sheppard HD94
- » Steering ratio 16.9:1

REAR AXLES

- » Mack, Meritor and Dana axle options (Refer Drive Axle Chart)
- » Ratings 20 to 22.7 tonne

REAR SUSPENSION

- » Air and mechanical spring options (Refer Drive Axle Chart)
- » Ratings 18 to 21 tonne
- » Out board mounted shock absorbers
- » In-board mounted shock absorbers (optional on AL460 only)
 - NB: "Road Friendly" capable suspensions available - speak with your Authorised Dealer regarding options.

INTER-AXLE/WHEEL LOCKS

- » DCDL one axle only (vendor axles only)
- » DCDL's on both axles (optional)
- » Mack Power Divider (standard with Mack axles)

WHEELS

- » 10-stud 8¼" (285mm PCD) steel disc
- » 10-stud options:
 - 10-stud 8¼" (285mm PCD) machine buff / polished alloy / DURABRIGHT alloy discs
 - 10-stud 9" (285mm PCD) polished alloy or DURABRIGHT alloy discs

TYRES

- » Bridgestone / Michelin tyres

STEER AXLE SPECIFICATIONS

| MAKE | MODEL | CAPACITY | SUSPENSION* | COMMENTS |
|---------|----------|------------------|-------------|------------------|
| Mack | FXL 14.6 | 14,600lbs (6.6t) | (P3, M7) | Standard axle |
| Meritor | FG941 | 14,600lbs (6.6t) | (P3, M7) | Disc brakes (CA) |

* Parabolic Standard Duty (P), Multileaf Standard Duty (M) – Number = Leaf Qty

DRIVE AXLE SPECIFICATIONS

| MAKE | MODEL | CAPACITY | RATIOS** | RATIOS (mDRIVE) | SUSPENSION |
|---------|-----------------------|-------------------|-------------------------------------|------------------|-------------------------------|
| Mack | S440 (150/200 series) | 44,000lbs (20t) | 4.19, 4.50, 4.80 / 4.35, 4.73, 5.02 | 3.11, 3.25, 3.40 | AL460 |
| Mack | S462 (150/200 series) | 46,000lbs (21t) | 4.19, 4.50, 4.80 / 4.35, 4.73, 5.02 | 3.11, 3.25, 3.40 | AD246 |
| Meritor | RT46-160 | 46,000lbs (21t) | 4.30, 4.56, 4.89 | 3.07, 3.21, 3.42 | AL460 / AP460 / AD246 / MIL-H |
| Dana | D46-170 | 46,000lbs (21t) | 4.30, 4.56, 4.78 | 3.07, 3.21, 3.42 | AL460 / AD246 (CA only) |
| Dana | D50-170 | 50,000lbs (22.7t) | 4.30, 4.56, 4.78 | 3.07, 3.21, 3.42 | AD246 (CA only) |

** Mack ratios in GOLD relate to Mack 150 series carriers/Mack ratios in BLACK relate to Mack 200 series carriers

CHASSIS

CHASSIS

- » Advantage 300mm x 90mm x 8mm[†]
- » Advantage 300mm x 90mm x 9.5mm[†]

[†] Dependent on wheel base and axle capacity

WHEELBASE

- » 4,720mm (185.8") to 5795mm (228.1")

AFTERFRAME

- » 1365mm (53.7") to 2,810mm (110.6")
- » All chassis lengths can be specified with tapered rail ends

CAB SUPPORT

- » Front: Two metalistic pivot mounts
- » Rear: Air isolation with dual cabin shock absorbers
- » Fully suspended cab
- » Rear panard rod

BULLBAR/ BUMPER/ FUPS

- » Light weight alloy bumper
- » Polished alloy bullbar (optional)
- » Front Underrun Protection

FUEL TANKS

- » 26" round polished alloy tanks (Refer Wheelbase Chart)
- » Large capacity polished D-shaped tanks (optional)
- » Stainless steel D Tank straps (CA)

ADBLUE TANKS

- » AdBlue Tank, kerbside (LHS) location
 - 125 litre stainless steel 26" round
 - 150 litre stainless steel 26" round (optional)
 - 150 litre stainless steel D-shaped (optional)
 - 200 litre stainless steel D-shaped (optional)

REMOTE BREATHERS

- » Transmission, fuel and axle remote breather kit (optional)

CHASSIS ACCESS STEP

- » Staired and perforated 2 step design (optional)

BATTERIES

- » 12volt Bulldog batteries, high capacity (620 CCA)
- » LH and RH frame mounted with black battery box cover
- » Polished aluminium battery box cover (optional)
- » Batteries mounted in sleeper if fitted
- » Stacked Battery Box (CA)

TRAILER CONNECTIONS

- » Trailer - connections back of cab
- » Trailer - connections back of cab and rear of frame (optional)
- » Air: Service and emergency with blanking plugs
- » Electrical: 12volt 7-pin female base with HD 5mm² cabling

ELECTRICAL

- » Chassis harness with protective conduit
- » Electrical prep kit, Body Builder chassis connections (optional)

TRIDENT AF WHEELBASE SPECIFICATIONS

| WHEELBASE (mm) | EXHAUST TO CENTRE OF DRIVE (mm) | | | | | | MAXIMUM FUEL CAPACITY | ADBLUE TANK CAPACITY | TURNING CIRCLE (m) |
|------------------------------|---------------------------------|-----------|-----------------|-------------|-------------|-------------|-----------------------|----------------------|---------------------|
| | Day Cab | Super Cab | 36" B/D Sleeper | 40" Sleeper | 46" Sleeper | 52" Sleeper | | | |
| Bumper to Back of Cab | 2960 | 3570 | 3670 | 3775 | 3930 | 4080 | | | Kerb to Kerb |
| 4720 | 2377 | | | | | | 700L | 125L | 16.7 |
| 4970 | 2627 | 2137 | | | | | 1000L | 150L | 17.5 |
| 5120 | 2777 | 2287 | 2187 | | | | 1400L | 200L | 18.0 |
| 5270 | 2927 | 2437 | 2337 | 2232 | | | 1700L | 150L | 18.5 |
| 5420 | 3077 | | 2487 | 2382 | 2227 | | 1700L | 150L | 18.9 |
| 5570 | 3227 | | | 2532 | 2377 | 2227 | 1700L | 150L | 19.4 |
| 5770 | 3427 | | | | | 2427 | 2000L | 150L | 20.0 |

CAB

TELEMATICS

Mack telematics system - speak with your Authorised Dealer for further information.

SHELL

- » Fusion Cab, ECE29 (cab strength test) compliant
- » Two piece windscreen

SLEEPER OPTIONS

- » 710mm (28") Super Cab with rear cabin extension
- » 911mm (36") High-rise premium sleeper - 3 door (CA)
- » 1,015mm (40") Mid-rise premium sleeper - 4 door
- » 1,170mm (46") Mid-rise premium sleeper - 4 door
- » 1,170mm (46") High-rise premium sleeper - 4 door
- » 1,320mm (52") Mid-rise premium sleeper - 4 door
- » 1,320mm (52") High-rise premium sleeper - 4 door
- » All standard sleepers have 4 access doors and vertical cab extenders

* Note additional sleeper options are available, speak with your Authorised Dealer.

CAB (CONT.)

CAB INTERIOR

- » Overhead storage (up to 3 pockets based on cab configuration)
 - » Rear Wall storage available (based on cab configuration)
 - » Door Storage (2 pockets)
 - » Cup Holders in dash
 - » Centre storage console (available based on cab configuration)
 - » Interior Trim - pleated ultra leather or diamond plate
 - » Central locking available
 - » Power windows available (optional)
 - » Self cancelling signals available (optional)
 - » Internal grab handles
- Speak with your Authorised Dealer for all options

SEATS

- » Driver: ISRI 'Big-Boy' air-ride Premium: 'MACK' embossed cloth trim, LH arm rest, upper, side and lower lumbar support with oscillating base and fore/aft seat cushion adjustment
- » Driver: ISRI 'Big-Boy' air-ride (optional): cloth trim, upper, side and lower lumbar support with fore/aft seat cushion adjustment
- » Passenger: ISRI fixed cushion
- » Passenger: ISRI luxury air ride seat with upper and lower lumbar support, and fore/aft seat cushion adjustment (optional)

STEERING WHEEL

- » Bulldog soft touch rubber grip 457mm (18") diameter
- » Elite leather grip steering wheel (optional)
- » Adjustable tilt and telescopic steering column

INSTRUMENT

- » Driver information display: Co-Pilot
- » Speedometer/odometer (electronic)
- » Tachometer/hourmeter (electronic)
- » Voltmeter, engine hours, distance, trip recording
- » Engine coolant temperature, fuel and AdBlue levels
- » Primary and secondary air pressure
- » Oil pressure and oil temperature

FULL GAUGE PACKAGE INCLUDES

- » Manifold pressure, transmission temperature, exhaust temperature, brake application pressure, front and rear drive axle temperature

WINDSCREEN WIPERS

- » Electronic variable-speed, intermittent wipers with washer
- » Reservoir mounted under bonnet

AUDIO SYSTEM

- » Premium Radio/CD player including hands free
- » iPod connector and USB connector

COMMUNICATIONS

- » GME CB radio (optional)
- » GME UHF radio (optional)

CLIMATE CONTROL

- » HVAC integral cab air conditioner/heater
- » Electronic controls
- » Replaceable dust intrusion filter

COURTESY LAMPS

- » Drivers/Passengers door entry lighting
- » Ambient floor lighting

SAFETY & WARNING

- » Set of 3 safety warning triangles
- » Door mounted emergency procedure guide (optional)
- » Emergency eye wash bottle (optional)
- » 2.5kg in cab mounted fire extinguisher (optional)

TYRE EQUIPMENT

- » Wheel lug wrench kit
- » Bottle jack (optional)

CAB EXTERIOR

- » Fibreglass bonnet and polyfibre fenders with splash aprons
- » Bonnet tilts forward with spring assist
- » Chrome grille surround and side air intakes
- » Polished stainless steel cab skirts and air intake tubes
- » Black nylon bonnet hold down straps
- » Bright finish bonnet hold down straps (optional)
- » Stainless bug screen integrated with grille
- » Painted external sunvisor
- » Stainless steel exterior sunvisor (optional)

HEADLAMPS

- » Hella integral light/indicator unit with polycarbonate lens

MARKER & TAIL LAMPS

- » 5 roof-mounted amber lights and 3 in 1 tail lamp
- » LED roof clearance and tail lamps (optional)

REVERSING ALARM

- » Chassis mounted back up alarm (optional)

WARNING BEACON

- » Single amber revolving roof beacon (optional)
- » Double amber revolving roof beacons (optional)
- » Double amber revolving beacons air intake mounted (optional)
- » Beacons mounted on sleeper when a sleeper is selected

HOOK UP LAMP

- » Rear of cab mounted hook up lamp (optional)

HORNS

- » 2 x roof mounted, air horn trumpets
- » 2 x under bonnet mounted, electric

MIRRORS

- » Heated 'West Coast' mirrors with stainless steel arms
- » LH and RH power mirrors (optional)
- » LH and RH 7" spotter mirrors
- » LH down mirror (optional)

WINDSCREEN STONE GUARD

- » Matt black mesh windscreen stone guard (optional)

PAINT & ACCESSORIES

PAINT TYPE & COLOUR

- » Cab/sleeper: Single non-metallic cab colour (Incredible white standard)
- » Chassis: Single non-metallic chassis colour (black standard)
- » Epoxy Mine specification primer (CA)

ACCESSORIES

- » Additional factory fitted accessories are available, speak with your Authorised Dealer for full details.



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BORN READY.

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