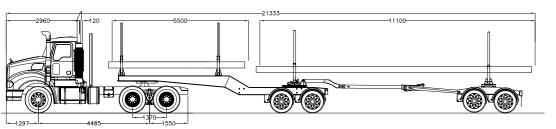
# TRIDENT

# GOOD LOOKS, MUSCLES AND MANNERS.

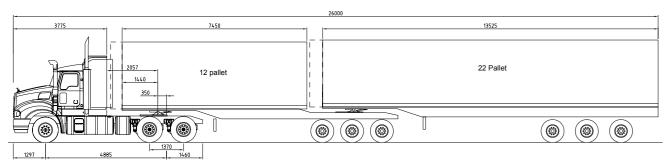
Easy on the eye. Strong and versatile. The Trident packs a punch with productivity and performance in construction, on-road or anywhere in between.







#### TRIDENT 6X4 AB DAY CAB WITH B-DOUBLE LOG JINKERS



TRIDENT 6X4 AB 40" MID RISE SLEEPER WITH 26M B-DOUBLE

| TRIDENT AB WHEELBASE CHART |                                       |              |                |                |                                |                       |                              |              |
|----------------------------|---------------------------------------|--------------|----------------|----------------|--------------------------------|-----------------------|------------------------------|--------------|
| WHEELBASE* (WB)            | EXHAUST TO CENTRE OF DRIVE (mm), CA** |              |                |                | MAXIMUM<br>FUEL<br>CAPACITY*** | ADBLUE<br>TANK<br>CAP | TURNING<br>CIRCLE<br>(m)**** |              |
|                            | Day<br>Cab                            | Super<br>Cab | 40"<br>Sleeper | 46"<br>Sleeper | 52"<br>Sleeper                 |                       |                              | Kerb to Kerb |
| ввс                        | 2960                                  | 3570         | 3775           | 3930           | 4080                           |                       |                              |              |
| 4460mm                     | 2677                                  |              |                |                |                                | 700L                  | 125L                         | 15.9         |
| 4710mm                     | 2877                                  | 2387         | 2182           |                |                                | 1000L                 | 125L                         | 16.7         |
| 4860mm                     | 3077                                  | 2587         | 2382           | 2227           |                                | 1400L                 | 200L                         | 17.2         |
| 5060mm                     |                                       |              | 2582           | 2427           | 2277                           | 1400L                 | 200L                         | 17.8         |
| 5210mm                     |                                       |              |                | 2577           | 2427                           | 1400L                 | 200L                         | 18.3         |
| 5360mm                     |                                       |              |                |                | 2577                           | 1700L                 | 150L                         | 18.7         |

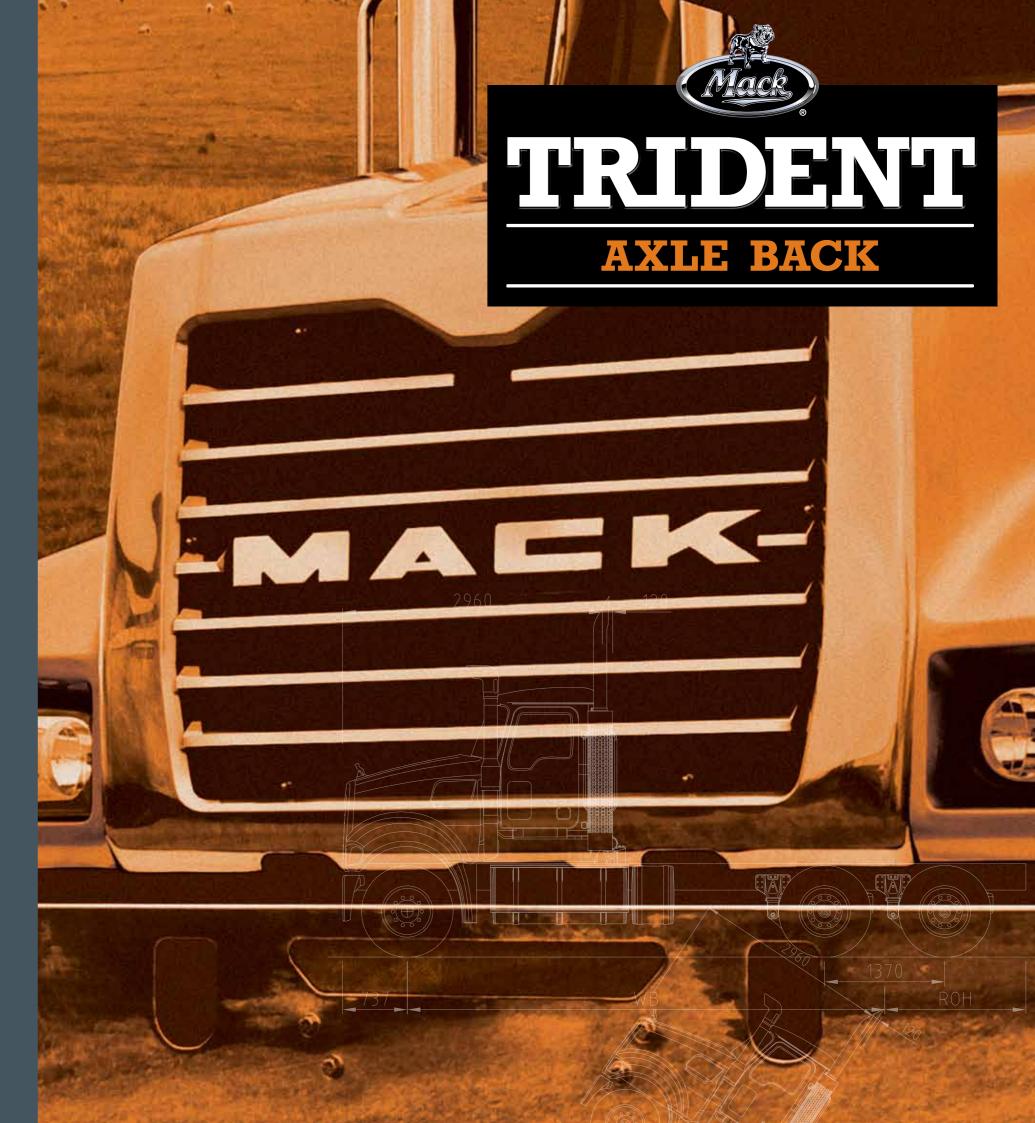
**GVM:** Up to 26,000kg<sup>†</sup> **GCM:** Up to 131 tonnes<sup>†</sup>





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<sup>\*</sup> Wheelbase calculated using 1320mm Bogie Spread.

<sup>\*\*</sup> Distances shown are with rear exhausts Day Cab or forward mounted exhausts for sleeper.

<sup>\*\*\*</sup> Maximum fuel capacity is VSS selectable combinations with batteries mounted on chassis for day cab and inframe or in sleeper for larger cabs.
\*\*\*\* Turning circle measure to be used as a guide only. Refer to WIS.

**COMMUNICATIONS** 

Set of 3 safety warning triangles (optional)

Emergency eye wash bottle (optional)

2.5kg in cab mounted fire extinguisher (optional)

### TYRE EOUIPMENT

20 tonne bottle jack (optional)

**CAB EXTERIOR** 

▶ Bonnet tilts forward 75° with spring assist

Polished stainless steel cab skirts and air intake tubes (standard)

Bright finish bonnet hold down straps (optional)

Stainless bug screen integrated with grille (standard)

Stainless steel exterior sunvisor (optional)

## Passenger: ISRI fixed cushion (standard)

Passenger: ISRI luxury air ride seat with upper and lower lumbar support, and fore/aft seat cushion adjustment (optional)

#### STEERING WHEEL

CAB

SHELL

Fusion Cab, ECE29 (cab crash test) compliant

> 710mm (28") Super Cab with rear cabin extension

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 sleepers have 4 access doors and vertical cab extenders

▶ Grey roof trim with 3 overhead storage pockets and 4 cabin

lamps, complimentary Diamond Plate door trims (standard)

Slate grey pleated roof trim with overhead console and

matching door trims – includes sleeper trim (optional)

Burgundy pleated roof trim with overhead console and

matching door trims – includes sleeper trim (optional)

Insulation: internal heat/noise rejection lining (standard)

Driver: ISRI 'Big-Boy' air-ride (standard): Cloth trim,

upper, side and lower lumbar support with fore/aft

Driver: ISRI 'Big-Boy' air-ride Premium (optional): 'MACK'

lumbar support with oscillating base and fore/aft seat

embossed cloth trim, LH arm rest, upper, side and lower

Dash: Premium wood-grain finish with integrated cup holders

Rear wall and 2 door storage pockets

▶ Floor: Black rubber mat (standard)

Central locking (standard)

seat cushion adjustment

cushion adjustment

Power windows (standard)

Two piece windscreen (standard)

One piece windscreen (optional)

**SLEEPER OPTIONS** 

**CAB INTERIOR** 

▶ Bulldog soft touch rubber grip 457mm (18") diameter (standard) ▶ Elite leather grip steering wheel (optional)

Adjustable tilt and telescopic steering column

### **INSTRUMENTS & STANDARD GAUGES**

Driver information display – Co-Pilot

Speedometer/odometer (electronic)

▶ Tachometer/hourmeter (electronic)

Voltmeter, engine hours, distance, trip recording

▶ Engine coolant temperature, fuel/urea level 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**

▶ Base Radio/CD player 4 x 20watt (standard)

Premium Radio/CD player 4 x 35watt including hands free (opt) • iPod connector and USB connector (optional)

#### PAINT & ACCESSORIES

#### PAINT TYPE AND COLOUR

► Cab/sleeper: Single non-metallic cab colour

▶ PPG – Mack White and Black

▶ Chassis: Single non-metallic chassis colour

## **COURTESY LAMPS**

#### **SAFETY & WARNING**

Door mounted emergency procedure guide (optional)

9kg on frame mounted fire extinguisher (optional)

Wheel lug wrench kit (standard)

### Fibreglass bonnet and polyfibre fenders with splash aprons

Chrome grille surround and side air intakes (standard)

Black nylon bonnet hold down straps (standard)

Painted external sunvisor (standard)

**HEADLAMPS** 

Hella integral light/indicator unit with polycarbonate protective moulding

#### **MARKER & TAIL LAMPS**

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

#### REVERSING ALARM

▶ Chassis mounted back up alarm (optional)

### REVOLVING ROOF BEACON

Single amber revolving roof beacon (optional) Double amber revolving roof beacons (optional)

Double amber revolving beacons air intake mounted (optional)

#### **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 (standard)

LH and RH power mirrors (optional)

LH and RH 7" spotter mirrors (standard)

WINDSCREEN STONE GUARD

## LH down mirror (optional)

Matt black mesh windscreen stone guard (optional)

▶ Alternative metallic and non-metallic colours (NSV only)

## **ACCESSORIES**

Many factory fitted accessories which are not listed, are also available

All customers are encouraged to see their Authorised Dealer for full details

# **ENGINE & TRANSMISSION**

- MACK MP8 12.8 litre
- MAXI-CRUISE torque settings
- ▶ Selective Catalytic Reduction (SCR)
- ▶ Emission Level Euro5 (ADR80/03)
- Horsepower (Hp) 500 535

## **ENGINE BRAKE**

- ▶ Powerleash engine brake
- ▶ Engine retarding power up to 315Kw (495hp) @ 2,100rpm

## **AIR INTAKE & FILTER**

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

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

#### **AIR COMPRESSOR**

▶ 2 CYL. 900litres/min WABCO compressor

### **AIR DRYER** ▶ Bendix AD-IS air dryer

ALTERNATOR Leece Neville 12volt/160Amp Brushless (standard)

Leece Neville 12volt/185Amp Brushless (optional)

▶ Delco 39MTHD 12volt electric starter (standard)

STARTER

Key type start and stop

#### **EXHAUST** 1840 1920 Torque (lb-ft)

## Single RHS frame mounted catalyst with stainless heat shield

Outlet single RHS 152mm (6") vertical exhaust (Day Cab) Outlet twin 152mm (6") vertical exhaust (Dav Cab)

▶ Behr Visco drive (electric over viscous fan clutch)

> 750mm (29.5") 9-blade nylon fan (AB)

NL3, Frontal area 1,435in<sup>2</sup>

- Outlet twin 152mm (6") vertical exhaust (Sleeper Cab)
- Outlet single 127mm (5") underframe outlet (optional) Exhaust tip height above ground 3.5mtr (standard)
- Exhaust tip height above ground 4.2mtr (optional)

#### TRANSMISSION

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

### CLUTCH

FAN

RADIATOR

- ► Eaton 394mm (15.5") Easy Pedal with VCT Plus (standard)
- ▶ Eaton 'Solo' with VCT Plus (optional) Single Plate 430mm (17") (standard with mDRIVE)

## DRIVELINE

- ▶ Spicer 1810 Main shafts, 1710 Inter-axle
- ▶ 1810 interaxle and SPL driveline (NSV only)

Prep kit, switch and wiring only (optional)

#### **PTO OPTIONS**

Air assist clutch release

- ▶ Rear of engine PTO (REPTO)
- Transmission mounted PTO (optional on mDRIVE)

## TRANSMISSION CHART

| MAKE        | MODEL            | MAX TORQUE<br>CAPACITY | FWD GEARS | REV GEARS | LO/HI      | ТҮРЕ            |
|-------------|------------------|------------------------|-----------|-----------|------------|-----------------|
| Mack        | T31821           | 2,100ft-lbs            | 18        | 3         | 13.44/0.71 | Manual          |
| Mack mDRIVE | TmD12AD (Direct) | 1,920ft-lbs            | 12        | 2         | 14.94/1.0  | Fully Automated |
| Eaton       | RTLO18918        | 1,850ft-lbs            | 18        | 4         | 14.40/0.73 | Manual          |
| Eaton       | RTLO20918        | 2,050ft-lbs            | 18        | 4         | 14.40/0.73 | Manual          |

### Note: RTLO18918 and MP8 500hp <50tonnes, RTL020918 and MP8 535hp <60tonnes **AXLES & SUSPENSION**

## FRONT AXLE

Mack FXL with unitised hubs (Refer Steer Axle Chart)

Axle position: Axle back (AB): 1,297mm BFA

RTLO22918

2.250ft-lbs

FRONT BRAKES

- ▶ 1,321mm (52") long springs (Refer Steer Axle Chart)
- Front automatic slack adjusters Type 24 brake boosters
- S' Cam with iron drums (standard) S' Cam with centrifuse drums (optional)

## STEERING GEAR

▶ Sheppard M100P Steering ratio 18.9:1

▶ Ratings 20 to 22.7 tonne

**REAR AXLES** Mack, Meritor and Dana axle options (Refer Drive Axle Chart)

#### REAR SUSPENSION

▶ Air and mechanical spring options (Refer Drive Axle Chart)

14.40/0.73 Manual

- ▶ Ratings 18 to 22.7 tonne
- Out board mounted shock absorbers (standard) In-board mounted shock absorbers (optional on AL460 only)
- REAR BRAKES
- Rear automatic slack adjusters ▶ Type 24/30 brake boosters (standard)
- Type 30/30 brake boosters (optional) S' Cam with cast iron drums (standard)
- S' Cam with centrifuse drums (optional) Low tare alloy hubs (optional)
- INTER-AXLE/WHEEL LOCKS

ABS or ABS with Traction Control (optional on Mack only)

DCDL's on both axles (optional) Mack Power Divider (standard with Mack axles)

▶ DCDL one axle only (vendor axles only)

## ▶ 10-stud 9" (285mm PCD) polished alloy disc

▶ 10-stud 81/4" (285mm PCD) steel disc

**AXLES & SUSPENSION (CONTINUED)** 

▶ 10-stud 81/4" (285mm PCD) machine buff disc

▶ 10-stud 81/4" (285mm PCD) polished alloy disc

Mack (Aus) Twin FXL 14.6 (NSV only) 29,200lbs (13t) (P3)

# ▶ 10-stud 81/4" (285mm PCD) DURABRIGHT alloy disc

#### STEER AXLE CHART CAPACITY MAKE MODEL SUSPENSION FXL 14.6 Mack 14,600lbs (6.6t) (P3,M7)

| Mack (NZ) | Twin FXL 14.6 (NSV only) | 29,200lbs (13t)  | (P3)    | Non-load share (NSV on |
|-----------|--------------------------|------------------|---------|------------------------|
| Meritor   | FG941 (NSV only)         | 14,600lbs (6.6t) | (P3,M7) | Disc brakes (NSV only) |

\* Parabolic Standard Duty (P), Multileaf Standard Duty (M), Multileaf Heavy Duty (H) - Number = Leaf Qty

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

| DRIVE AXLE CHART |          |                   |                                     |                  |                         |  |  |
|------------------|----------|-------------------|-------------------------------------|------------------|-------------------------|--|--|
| MAKE             | MODEL    | CAPACITY          | RATIOS**                            | RATIOS (mDRIVE)  | SUSPENSION              |  |  |
| Mack             | S440     | 44,000lbs (20t)   | 4.35, 4.73, 5.02 / 4.19, 4.50, 4.80 | 3.11, 3.25, 3.40 | AL460                   |  |  |
| Mack             | S462     | 46,000lbs (21t)   | 4.35, 4.73, 5.02 / 4.19, 4.50, 4.80 | 3.11, 3.25, 3.40 | AD246 / CAMELBACK       |  |  |
| 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                   |  |  |
| Dana             | D50-170  | 50,000lbs (22.7t) | 4.30, 4.56, 4.78                    | 3.07, 3.21, 3.42 | AD246                   |  |  |

## CHASSIS

- CHASSIS Advantage 300mm x 90mm x 8mm<sup>†</sup> 156.000psi/RBM 1.940.000in lb
- Advantage 300mm x 90mm x 9.5mm<sup>†</sup> 184.000psi/RBM 2.240.000in lb † Dependent on wheel base and axle capacity

▶ 4,460mm (175.6") to 6,150mm (242")

#### WHEELBASE (WB)

- **AFTERFRAME (RO)**
- 1,460mm (57.5") to 2,810mm (110.6") All chassis lengths can be specified with tapered rail ends

Fully suspended cab

**AIR TANK** 

- **CAB SUPPORT**
- Front: Two metalistic pivot mounts Rear: Air isolation with dual cabin shock absorbers
- Rear panard rod (standard)

Polished alloy bullbar (optional)

- BULLBAR/BUMPER/FUPS Light weight alloy bumper (standard)
- ▶ Bumper and bullbar Front Underrun Protection (optional) Temporary transit bar (optional)

#### ▶ 1 x steel tank mounted parallel to frame Manual drain cord

### **FUEL TANKS**

WHEELS (CONTINUED)

Michelin tyres as standard

TYRES

▶ 10-stud 9" Offset (285mm PCD) polished alloy disc

▶ 10-stud 9" (285mm PCD) DURABRIGHT alloy disc

▶ 10-stud 9" Offset (285mm PCD) DURABRIGHT alloy disc

COMMENTS

Standard axle

Load share (NSV only)

Non-load share (NSV only)

- ▶ 26" round polished alloy tanks (Refer Wheelbase Chart) Large capacity polished D-shaped tanks (optional)
- ▶ 125 litre stainless steel 26" round (standard) ▶ 150 litre stainless steel 26" round (optional)

AdBlue Tank, kerbside (LHS) location

▶ 150 litre stainless steel D-shaped (optional)

### ▶ 200 litre stainless steel D-shaped (optional) REMOTE BREATHERS

**CHASSIS ACCESS STEP** 

Transmission, fuel and axle remote breather kit (optional)

### Staired and perforated 2 step design (optional on tractors)

BATTERIES

▶ 12volt Bulldog batteries, high capacity (620 CCA)

Polished aluminium battery box cover (optional)

- LH and RH frame mounted with black battery box cover (standard)
- Batteries mounted in sleeper if fitted TRAILER CONNECTIONS
- ▶ Tractor connections back of cab (standard) ▶ Rigid to rear of frame (standard)

▶ Back of cab and rear of frame (optional)

- ELECTRICAL
- ▶ Electrical prep kit, Body Builder chassis connections (optional)

### Air: Service and emergency with blanking plugs

▶ Chassis harness with protective conduit

### ▶ Electrical: 12volt 7-pin female base with HD 5mm² cabling

- ▶ Epoxy Mine specification primer (NSV only)