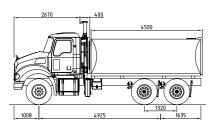
METRO-LINER

ON SITE. ON ROAD. ON THE MONEY.

Metro-Liner meets the demand for low tare and high productivity in construction or urban on-road applications.



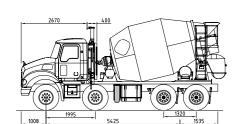




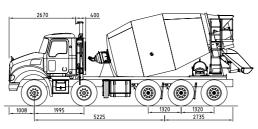
METRO-LINER 6X4 WATER TANKER



METRO-LINER 8X4 RIGID TIPPER



METRO-LINER 8X4 AGITATOR



METRO-LINER 10X4 AGITATOR

METRO-LINER WHEELBASE CHART					
WHEELBASE* (WB)	EXHAUST TO CENTRE OF DRIVE (MM), CA	MAXIMUM FUEL CAPACITY**	ADBLUE (DEF) TANK CAP	TURNING CIRCLE (M)***	
	Day Cab			Kerb to Kerb	
BBC	2670				
6x4					
4725mm	2663	700L	125L	16.7	
4925mm	2863	700L	125L	17.4	
5025mm	2963	700L	125L	17.7	
5225mm	3163	700L	125L	18.3	
6125mm	4063	700L	125L	21.1	
8x4					
5425	3363	350L	60L	20.2	
6125	4063	350L	60L	22.6	
10x4	.				
5225	3163	265L	60L	21.7	

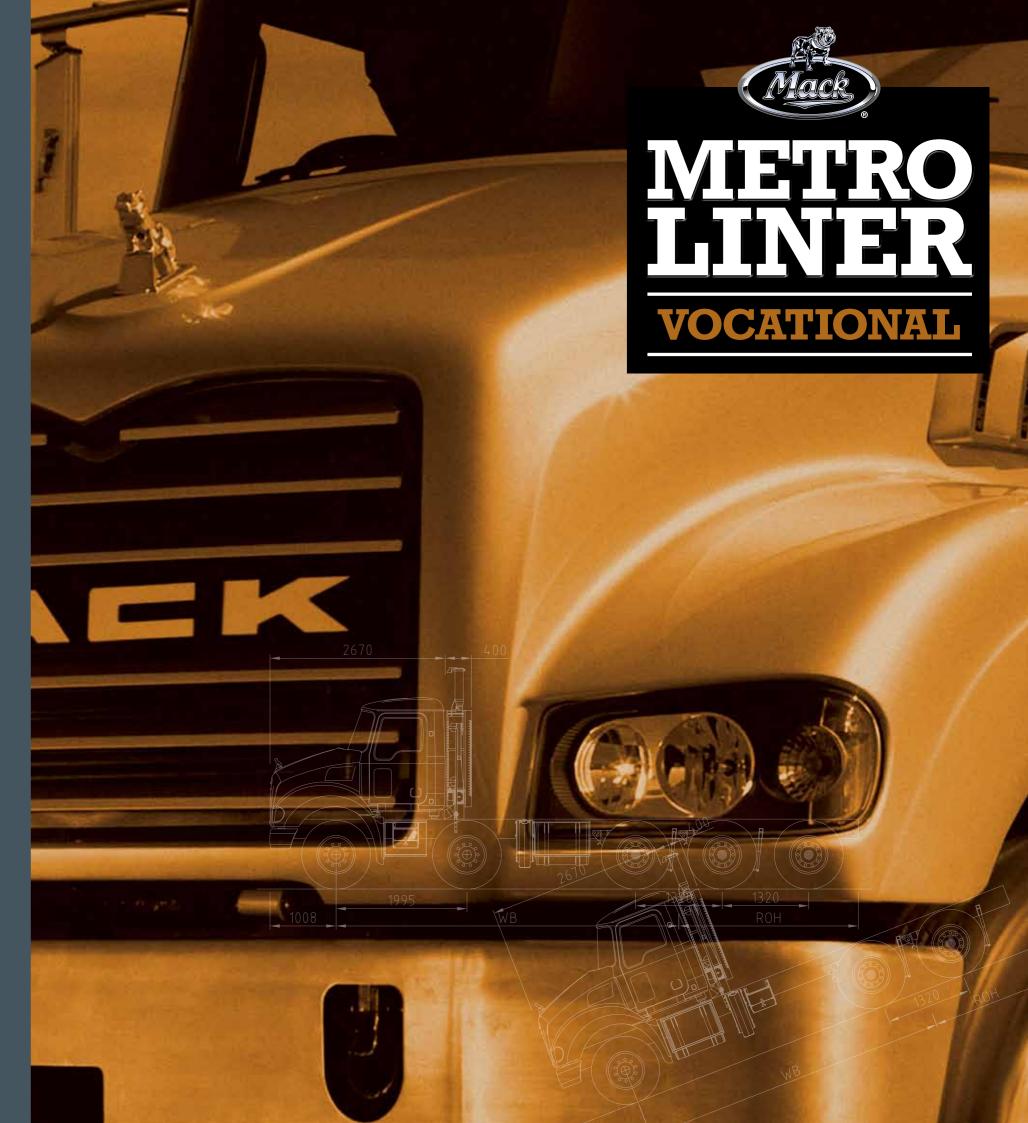
GVM (6x4): Up to 24,500kg † **GVM (8x4):** Up to 30,000kg † **GVM (10x4):** Up to 33,000kg † **GCM:** Up to 45 tonnes †

* Wheelbase calculated using 1320mm Bogie Spread.





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^{**} Maximum fuel capacity is VSS selectable combinations with batteries mounted on chassis.

*** Turning circle measure to be used as a guide only, refer to WIS

† Subject to application

ENGINE & TRANSMISSION

ENGINE

- ▶ Cummins ISL 8.9 litre
- ▶ Selective Catalytic Reduction (SCR)
- ► Emission Level Euro5 (ADR80/03)

Horsepower	280	320	340	360	380	400
(Нр)	200	020	0-10	000	000	400
Torque (lb-ft)	780	1000	1100	1180	1250	1250

ENGINE BRAKE

- C Brake by Jacobs, compression brake
- ▶ Engine retarding power up to 185kW (250Hp)

AIR INTAKE & FILTER

- Donaldson 279mm (11") Single dry type element
- Under bonnet air intake

FILTERS

- ▶ Oil: Single spin-on disposable
- ▶ Fuel: Single spin-on disposable
- Fuel: Fleetguard water separator chassis mounted
- ▶ Water: Single spin-on disposable

AIR COMPRESSER

▶ Single CYL. 530 litres/min (18.7cfm) WABCO compresser

AIR DRYER

▶ Bendix AD-IS air dryer

ALTERNATOR

- ▶ Leece Neville 12volt/100Amp Brushless (standard)
- Leece Neville 12volt/160Amp Brushless (optional 340Hp only)

STARTER

- Delco Remy 38MT 12volt electric starter (standard)
- Key type start and stop

FAN

► Horton on/off fan clutch with 9-blade nylon fan (manual) ► Horton on/off fan clutch with 11-blade nylon fan (automatic)

RADIATOR

NL3, Frontal area 1,435in²

EXHAUST

- RHS vertical, post-mounted exhaust catalyst with chrome 5" (127mm) outlet
- Exhaust tip height above ground 3,400mm (standard)

TRANSMISSION

- Manual, Automated and Automatic transmissions (Refer Transmission Chart)
- ▶ Retarder optional (340Hp only)
- ▶ Transmission oil cooler (optional)

CLUTCH

- ▶ Easy Pedal with VCT Plus (standard)
- ▶ Eaton 'Solo' with VCT Plus (optional)
- ► Eaton 394mm (15.5") HD Auto Adjust (UltraShift only)
- ▶ Air assist clutch release (standard)

DRIVELINE

▶ Spicer 1710 Main and Inter-axle drive shafts

PTO OPTIONS

- ▶ Rear of engine PTO (REPTO)
- ► Chelsea 859 PTO (Auto only)
- Prep kit, switch and wiring only (optional)

TRANSMISSION CHART

MAKE	MODEL	MAX TORQUE CAPACITY	FWD GEARS	REV GEARS	LO/HI	TYPE
Mack	T310MLR	1800ft-lbs	10	6	27.30/0.71	Manual
Eaton	RTLO12913A	1250ft-lbs	13	2	12.31/0.73	Manual
Eaton	RTO11909ALL	1150ft-lbs	11	3	26.08/0.73	Manual
Eaton	FO14E313A-MHP	1450ft-lbs	13	3	12.29/0.73	Fully Automated
Allison	3500	860ft-lbs	6	1	4.59*/0.65	Automatic
Allison	3200	1100ft-lbs	6	1	3.49*/0.65	Automatic
Allison	4430	1150ft-lbs	6	1	4.70*/0.67	Automatic
Allison	4440	1310ft-lbs	6	1	4.70*/0.67	Automatic

AXLES & SUSPENSION

* Does not include torque converter multiplication

FRONT AXLE

- Mack FXL with unitised hubs (Refer Steer Axle Chart)
- Axle position: Mid Axle Fwd (MAF) 1008mm BFA

FRONT SUSPENSION

▶ 1,321mm (52") long Parabolic springs

FRONT BRAKES

- Front automatic slack adjusters
- ▶ Type 20 brake boosters
- S' Cam with iron drums (standard)
- S' Cam with centrifuse drums (optional)

STEERING GEAR

- ▶ Sheppard M100P
- ▶ Steering ratio 18.9:1

REAR AXLES

- Mack, Meritor and Dana axle options (Refer Drive Axle Chart)
- ▶ Ratings 18 to 21 tonne

REAR SUSPENSION

- Air, spring or rubber block options (Refer Drive Axle Chart)
- ▶ Ratings 18 to 21 tonne
- Out board mounted shock absorbers (standard)
- In-board mounted shock absorbers (AL460 only)

AXLES & SUSPENSION (CONTINUED)

REAR BRAKES

- ▶ Rear automatic slack adjusters
- ▶ Type 24/30 brake boosters (40,000kg axles)
- ▶ Type 30/30 brake boosters (46,000kg axles)
- S' Cam with cast iron drums (standard)
- S' Cam with centrifuse drums (optional)
- Low tare alloy hubs (optional)
- ABS or ABS with Traction Control (optional on Mack only)

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 81/4" (285mm PCD) steel disc
- ▶ 10-stud 81/4" (285mm PCD) machine buff disc
- ▶ 10-stud 81/4" (285mm PCD) polished alloy disc
- ▶ 10-stud 81/4" (285mm PCD) DURABRIGHT alloy disc
- ▶ 10-stud 9" (285mm PCD) polished alloy disc
- ▶ 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

TYRES

Michelin tyres as standard

STEER AXLE CHART MAKE MODEL CAPACITY SUSPENSION COMMENTS Mack FXL 14.6 14,600lbs (6.6t) (P3) Standard axle Twin FXL 14.6 29,200lbs (13t) (P3) Mack (Aus) Load share mechanical Meritor FG941 (NSV only) 14,600lbs (6.6t) (P3) Disc brakes (NSV only)

DRIVE AXLE CHART

MAKE	MODEL	CAPACITY	RATIOS	SUSPENSION
Mack	S462/200	46,000lbs (21t)	4.73, 5.02, 5.46, 5.95	CAMELBACK
Meritor	RT40-145	40,000lbs (18t)	4.63, 5.29, 6.14, 6.43, 6.83	MaxLite 40/AL460/MIL-M/HN402 (NSV only)
Meritor	RT46-160	46,000lbs (21t)	6.14, 6.43, 6.83	AL460/MIL-H/HN462
Dana	DSH40	40,000lbs (18t)	4.63, 5.29, 6.17	HN402/AL460
Hendrickson	HLM2		Liftable lazy axle CSM 10x4	AL460

CHASSIS

CHASSIS

- Advantage 300mm x 90mm x 7mm[†] 138,000psi/RBM 1,730,000in lb
- Advantage 300mm x 90mm x 8mm[†] 156,000psi/RBM 1,940,000in lb
- Advantage 300mm x 90mm x 9.5mm[†] 184,000psi/RBM 2,240,000in lb
- $^{\scriptscriptstyle \dagger}\textsc{Dependant}$ on wheelbase and rear axle

WHEELBASE (WB)

+4,725mm (213.6") to 6,150mm (242")

AFTERFRAME (RO)

- ▶ 1,515mm (59.6") to 2,810mm (110.6") rear overhang
- All chassis lengths can be specified with tapered rail ends

CAB SUPPORT

- Front: Two metalistic pivot mounts
- ▶ Rear: Air isolation with dual shock absorbers

FRONT BUMPER/FUPS

- Light weight alloy bumper (standard)
- Front Underrun Protection (optional)

AIR TANK

2 x steel tanks mounted to the frame with manual drain cords (8x4 and 10x4 standard)

FUEL TANKS

- ▶ 26" round polished alloy tanks (Refer Wheelbase Chart) AdBlue Tank, kerbside (LHS) location
- ▶ 60 litre plastic (standard) (125 litre optional 6x4 only)

REMOTE BREATHERS

Transmission, fuel and axle remote breather kit (optional)

CHASSIS ACCESS STEP

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

BATTERIES

- Two 12volt Bulldog batteries, high capacity (620 CCA)
- LHS with a black battery box cover (standard)
- Polished aluminium battery box cover (optional)

TRAILER CONNECTIONS

- Tractor connections back of cab (standard)
- ▶ Rigid to rear of frame (standard)
- ▶ Back of cab and rear of Frame (optional on tractor only)
- 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 on Rigid only

SHELL

CAB

- Fusion Cab, ECE29 (cab crash test) compliant
- Two piece windscreen (standard)
- One piece windscreen (optional)

CAB INTERIOR

- Grey roof trim with 3 overhead storage pockets and
- 4 cabin lamps, complimentary Diamond Plate door trims (standard)
- ▶ Rear wall and 2 door storage pockets
- Dash: Charcoal dash with integrated cup holders
- Wood grain dash (optional when full-gauge package selected)
- Insulation: internal heat/noise rejection lining
- ▶ Floor: Black rubber mat
- Key lock (standard) or remote control locking (optional)
- Manual (standard) or Power windows (optional)

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

adjustment (optional)

STEERING WHEEL ▶ Bulldog soft touch rubber grip 457mm (18")

▶ Passenger: ISRI premium air ride seat with upper

▶ Passenger: ISRI fixed cushion (standard)

- diameter (standard)
- 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

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

FULL GAUGE PACKAGE INCLUDES (OPTIONAL)

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 (optional)
- ▶ iPod connector and USB connector (optional)

- Cab/sleeper: Single non-metallic cab colour
- ▶ Chassis: Single non-metallic chassis colour

COMMUNICATIONS

- ► GME TX835 CB radio (optional)
- ▶ GME TX4400 UHF radio (optional)

CLIMATE CONTROL

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

COURTESY LAMPS

Drivers/Passengers door entry lighting

SAFETY & WARNING

- Set of 3 safety warning triangles (optional)
- ▶ Door mounted emergency procedure guide (optional)

▶ 2.5kg in cab mounted fire extinguisher (optional)

- ► Emergency eye wash bottle (optional)
- ▶ 9kg on frame mounted fire extinguisher (optional)

TYRE EQUIPMENT

▶ 20 tonne bottle iack (optional)

Wheel lug wrench kit (optional) **CAB EXTERIOR**

splash aprons

- Fibreglass bonnet and polyfibre fenders with
- ▶ Bonnet tilts forward 75° with spring assist

▶ Bright finish bonnet hold down straps (optional)

- ▶ Black nylon bonnet hold down straps (standard)
- ▶ Stainless bug screen integrated with grille (standard) Painted external sunvisor (standard)

HEADLAMPS

protective moulding **MARKER & TAIL LAMPS**

▶ Hella integral light/indicator unit with Polycarbonate

▶ 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)

▶ Rear of cab mounted hook up lamp (optional)

HOOK UP LAMP

- **MIRRORS** ▶ Heated 'West Coast' mirrors with stainless steel arms (standard)
- LH and RH 7" spotter mirrors (standard) LH down mirror (optional)

LH and RH power mirrors (optional)

WINDSCREEN STONE GUARD

Matt black mesh windscreen stone guard (optional)

PAINT & ACCESSORIES

PAINT TYPE AND COLOUR

- PPG Mack White and Mack Black
- Alternative metallic and non-metallic colours (NSV only)
- ▶ Epoxy Mine specification primer (NSV only)

Many factory fitted accessories which are not listed,

ACCESSORIES

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

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