



EXTERIOR DIMENSIONS

VEHICLE LENGTH	12-13m
CHASSIS WIDTH	2,450mm
TRANSPORT WHEELBASE	4,000mm
FRONT OVERHANG	Provisional (defined by the bodybuilder)
REAR OVERHANG OPTION	3,400mm 3,250mm
CHASSIS APPROACH ANGLE	Defined by bodybuilder
CHASSIS DEPARTURE ANGLE	7.5° (defined by bodybuilder)
WEIGHT (GVM)	19.5t
FUEL TANK VOLUME OPTION	1 × 300L (behind drive axle) 2 × 145L (provisionally behind front axle) 1 × 35L Ad Blue Tank
FILTRATION	Additional primary fuel filter with water separator

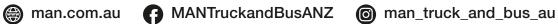


ENGINE

TYPE	MAN D1556 LOH11 vertical inline 6- cylinder 24 valve, overhead camshaft, single turbo designed for SCR and CRT & intercooler.
DISPLACEMENT BORE STROKE	9.037L 115mm 145mm
INJECTION TYPE	DENSO EDC17 Common Rail
ENGINE OUTPUT	243kW/330hp at 1,800rpm
MAXIMUM TORQUE	1,400Nm at 900-1,600rpm
EMISSION CLASS	Euro 6d SCR only
COOLING SYSTEM	On demand control of cooling components. Electronically controlled hydrostatic fan drive. Left rear cooling package with hinged charge air cooler for ease of maintenance access.









LE 19.330 D15 E6 (RC2) LOW ENTRY BUS CHASSIS



TRANSMISSION

TYPE	ZF 6 Speed 6AP2000B Ecolife 2 with integral retarder.					
MODEL	6AP2000					
GEAR RATIO	1 st	2 nd	3 rd	4 th	5 th	6 th
	3.36	1.98	1.44	1.00	0.70	0.59
	Reverse ratio 3.8					
GEAR SELECTOR	Rotary DNR gear selector switch. DNR123 available as an option.					



AXLES

FRONT AXLE	MAN VOK-07-B rigid cast tubular axle with air suspension, anti-roll bar, steering damper and maintenance-free wheel bearings.
DRIVE AXLE NARROW TRACK	Hypoid type HY1350-B03, with narrow track rear air suspension, rear stabiliser bar and maintenance free, wheel bearings.
FINAL DRIVE RATIO	i=5,67 option: i=4.56



STEERING

TYPE	ZF Servocom 8098 Ball-and-nut power steering. Steering column adjustable for both height and inclination.
STEERING WHEEL DIAMETER	500mm



WHEELS & TYRES

WHEELS	7 10-hole steel disc wheels Size 8.25 × 22.5
OPTION	Aluminum
TYRES	295/80 R22.5 Continental Radials



BRAKING SYSTEM

WHEEL BRAKES	4 wheel disc brakes with self-adjusting calipers and integral pad wear sensors.
CONTROL	Electronic Braking System (EBS) which incorporates Antilock Brake System (ABS), Anti Spin Regulator (ASR) and Electronic Stability Program (ESP)
AIR BRAKE SYSTEM	Dual circuit air brakes approved to EC and ECE guidelines.
PARKING BRAKE	Spring loaded combination brake cylinder.
BUS STOP BRAKE	Activates service brakes via dash switch or automatically controlled by the bodybuilder. Remains active until accelerator pedal is depressed.
CONTINUOUS BRAKES (RETARDER)	Activated with brake pedal and via drivers retarder stalk switch.



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COMPRESSED AIR SYSTEM

COMPRESSOR	Gear driven 2 stage Voith LP 490 with SLS (power-saving system).
CYLINDERS	2
CAPACITY	399cm³ (1st Cylinder) 85 cm³ (2nd cylinder)
DISPL. EFFORT	405cm³/min at 1600rpm
OIL / WATER SEPARATOR	MAN Air Management System with integrated oil/water trap.
OPERATING PRESSURE MAX. POSITIVE PRESSURE	12.5 Bar 13.5 Bar
AIR TANKS	1 × 40L Front axle air reservoir 1 × 40L Rear axle air reservoir 1 × 20L Auxiliary consumers 1 × 40L Air suspension



AIR SUSPENSION

CONTROL	Electronically Controlled Air Suspension (ECAS). Electronically controlled constant ride height regardless of load.
SENSORS	1 × ECAS sensor on front axle 2 × ECAS sensors on the rear axle
DRIVER'S CONTROLS	Kneel (front axle complete), raise and return to normal ride. Kneeling lower front axles approximately 70mm from normal ride height.



ELECTRICAL SYSTEM

BATTERIES	2 × 12V 225Ah maintenance free batteries connected in series (24V).
ALTERNATORS	2 × 28.5V, 120A Bosch
CHARGE RATE (IDLE)	160A at nominal voltage
STARTER MOTOR	24V/5.5 kW Reduction drive type
MAIN RELAY	Single pole (with emergency off)
CIRCUIT PROTECTION	Resettable circuit breakers for current < 25A. Mega fuses for high current circuits.
ARCHITECTURE	The chassis electronics is based a multi speed CAN network structure which supports full on board and off board diagnostics.



DRIVER'S DISPLAY

DRIVER'S DISPLAY	Instrument panel with central LCD display, central warning lamp, warning lamp cluster, integrated rev counter and speedometer.
GAUGES	Front and rear service brake air reservoir pressure. Coolant temperature and fuel
ADDITIONAL INFORMATION AVAILABLE	Fuel consumption, trip data, oil pressure and battery voltage are accessible via LCD display with the option of geofencing.



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CHASSIS DRAWINGS

