



LE 19.330 D15 E6

LOW ENTRY BUS CHASSIS (RC2)

CHASSIS

Vehicle length	12 - 13 m
Chassis length	2,450 mm
Weight (GVM)	19.5 t
Tank volume	1 x 300 L (behind drive axle) or 2 x 145 L (provisionally behind front axle) 1 x 35 L Ad Blue tank

ENGINE

Type	D1556 LOH11 vertical inline 6-cylinder 24 valve, overhead camshaft, single turbo designed for SCR and CRT & intercooler
Engine output	243kW / 330hp at 1,800rpm 1,400Nm at 900 -1,600rpm
Emmission class	Euro 6
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

TRANSMISSION

Type	ZF 6-speed Ecolife 2 with intergral retarder
Gear ratio	1 st : 3.36 4 th : 1.00 2 nd : 1.98 5 th : 0.70 3 rd : 1.44 6 th : 0.59 Reverse ratio 3.8
Gear selector	Rotary DNR gear selector switch DNR123 available as an option

AXLES

Front axle	MAN rigid cast tubular axle with air suspension, anti-roll bar, steering damper and maintenance free, wheel bearings
Drive axle	Hypoid type, with narrow track rear air suspension, rear stabiliser bar and maintenance free, wheel bearings
Final drive ratio	i = 5.67
Optional:	i = 4.56

STEERING

Type	ZF Servocom power steering Steering column adjustable for both height and inclination
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WHEEL & TYRES

Wheels	7 x 10-hole steel disc wheels Size 8.25 x 22.5
Optional:	Aluminum
Tyres	295 / 80 R22.5

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)
Retarder	Activated by brake pedal pressure and/or optional steering column wand
Optional:	Bus stop brake that activates the service brakes via a dash switch

COMPRESSED AIR SYSTEM

Compressor	Gear driven 2-stage Voith LP 490 with SLS (power-saving system)
Capacity	399 cm ³ (1 st cyliner) 85 cm ³ (2 nd cylinder)
Displ. effort	405 cm ³ / min at 1,600 rpm
Cut off pressure	12.5 bar
max. positive pressure	13.5 bar

AIR SUSPENSION

Control	MAN Vehicle Air Suspension Control (VASC) Electronically controlled constant ride height regardless of load
Driver's controls	Various options to kneel, raise and lower the suspension available

ELECTRICAL SYSTEM

Batteries	2 x 12 V 225 Ah maintenance free batteries connected in series (24 V)
Alternators	2 x 28.5 V, 120 A Bosch
Architecture	The chassis electronics is based on a multi speed CAN network structure which supports full on-board and off-board diagnostics

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DRIVER'S DISPLAY

Driver's display	12-inch full digital display with customisable optional information including rev counter and speedometer
Additional information available	Fuel consumption, driver assistance system, trip data, oil pressure and battery voltage are accessible via LCD display

SAFETY OPTIONS

Lane departure warning	Automatic head lights
Cruise control	Automatic high beam
Turning aid	Automatic windscreen wipers
Traffic sign recognition	Tyre pressure monitoring

CHASSIS DIAGRAMS

