

# 18.280 HOCLR



## 18.280 HOCLR, Bus Chassis

### Engine

Type	MAN D 0836 LOH 02, Euro 3 Turbocharged and intercooled 6 cylinder 4-stroke, direct injection diesel.
Power	280 hp (206 kW) @ 2400 rpm
Torque	1100 Nm @ 1400 - 1700 rpm
Capacity	6871 ccm
Bore	108 mm
Stroke	125 mm
Compressor	1-cylinder, 360 ccm
Fuel pump	EDC

### Clutch

Not applicable with automatic gearbox

### Gearbox

Type	Voith Automatic gearbox D 854.2 with integrated retarder	
Ratios		
Forward	1. 5,80 2. 1,43	3. 1,00 4. 0,70
Reverse	4,70	

### Frame

Type	Straight continuous longitudinal members (U-section) with bolted-in cross members. Towing attachments at front and rear.
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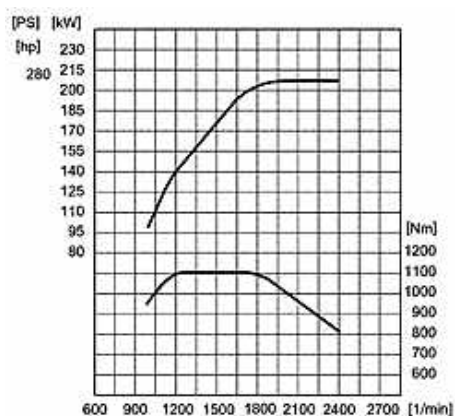
### Steering

Type	ZF 8098 Ball-and-nut power steering with integrated servo unit and test connection. Steering column adjustable for height and rake.
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### Steering Wheel

Diameter	500 mm
Turns	6,6

## Engine Data



## Electrics

<b>Voltage</b>	24 volt
<b>Alternator</b>	28 volt / 140 A
<b>Battery</b>	2 x 12 volt / 150 Ah
<b>Starter</b>	24 volt / 5,4 kW (7,3 hp)
<b>Main battery switch</b>	Electric + mechanical

## Axles

<b>Front Axle</b>	Forged rigid axle, V9-75L
<b>Rear axle</b>	Hypoid axle, H09-1380. Rear axle breather upswept, stabilizer on rear axle.
<b>Ratio</b>	i = 5,22

## Suspension

	Air suspension with 6 identical rolling seals. Identical entrance height and suspension characteristics under all load conditions.
<b>Front axle</b>	2 air-bellows 2 shock absorbers 1 height control valve
<b>Rear axle</b>	4 air-bellows 4 shock absorbers 2 height control valves

## Tyres

<b>Front axle</b>	2 x 295/80R22.5
<b>Rear axle</b>	4 x 295/80R22.5
<b>Spare wheel</b>	1 x 295/80R22.5
<b>Wheels</b>	8.25 - 22.5, 10-hole-disc

## Brakes

### Service Brake

<b>Type</b>	Dual-circuit air brake to EC and ECE guidelines with air dryer
<b>Front axle</b>	Two diaphragm cylinders
<b>Rear axle</b>	Two spring-loaded brake cylinders. Automatic brake shoe, adjustment via slack adjusters on all axles.

<b>Parking Brake</b>	Linkageless spring-loaded air brake acting on drive axle. Mechanical release possible on pressure drop.
<b>Engine Brake</b>	
<b>Type</b>	Electropneumatic actuation via foot-operated switch
<b>Brake Assy</b>	
<b>Type</b>	Drum brake
<b>Brake area FA</b>	2,364cm <sup>2</sup>
<b>RA</b>	3,250cm <sup>2</sup>
<b>Brake linings</b>	asbestos-free
<b>Pressure</b>	6,9 - 8,2 bar
<b>Reservoir</b>	<ul style="list-style-type: none"> <li>• 1 x 25 l brake circuit I (FA)</li> <li>• 1 x 40 l brake circuit II (RA)</li> <li>• 1 x 30 l parking brake</li> <li>• 1 x 25 l auxiliary consumers</li> <li>• 1 x 40 l air suspension</li> <li>• 1 x 6 l air dryer</li> </ul>
	Brake lines of plastic/stainless steel in engine area. Brake lining wear check, visual or electric

## Air Compressor

<b>Type</b>	Gear-driven 1-cylinder air compressor with water cooled cylinder head
<b>Rating</b>	430 l / min (with 8 bar)
<b>Tyre inflation</b>	1
<b>Test</b>	4

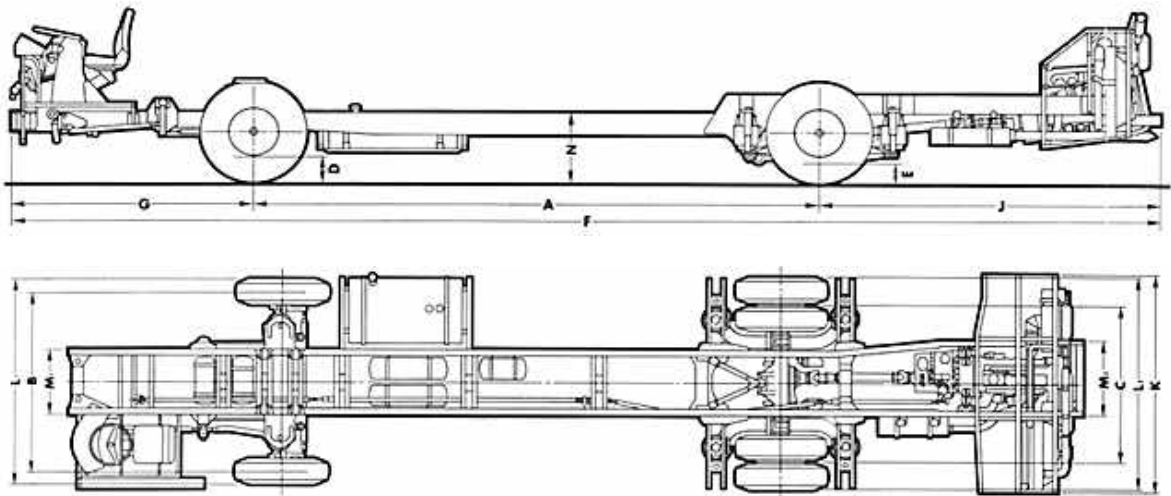
## General Equipments

- Tachometer
- Electronic rev. counter
- Central engine monitoring check lamp
- Dual pressure gauge for front and rear axle brake circuits
- Oil pressure gauge
- Coolant water remote thermometer
- Fuel gauge
- Battery charging check lamp
- Warning flasher system
- Horn
- Stalk switch for direction indicators, high beam, headlight flasher and wipe/wash system

## Common Options

- Telma retarder
- ZF manual gearbox S6-85
- Additional alternator 28 V/120 A
- Pneumatic emergency release
- ABS
- Lifting & lowering mechanism

For further information please contact your local MAN Truck Centre.



### Dimensions (mm)

<b>A</b>	<b>Wheelbase</b>	5725
<b>G</b>	<b>Front overhang</b>	2450
<b>J</b>	<b>Rear overhang</b>	2600
<b>F</b>	<b>Overall length</b>	3415
<b>M1</b>	<b>Frame Width</b>	760
<b>M2</b>	<b>Frame Width</b>	860
<b>H3</b>	<b>Frame height at center rear wheels</b>	

### Unladen Weights (kg) - Provisional

- Front axle	1400
- Rear axle	4200
- Total	5600

### Design/Plated Weights (kg)

	Front Axle	Rear Axle	GVW
Design weight	7500	13000	18200

### Performance

Gross wt. (kg)	Rear Axle	Max. geared speed	Gradeability %	
			1 <sup>st</sup>	4 <sup>th</sup>
18,200	5,22	108km/h	35,3	3,4