

Model	DBM 2500	DBM 3500
Unladen weight (kg)	7050	7400
Concrete yield capacity (l)	2500	3500
Drum volume (l)	3500	5000
Loading bucket volume (l)	700	700
Water pump capacity (l/min)	250	250
Water tank capacity (l)	930	930
Maximum unloading height with discharge chute (mm)	1760	2060
Maximum unloading height without discharge chute (mm)	1930	2285
Drum rotation speed (tr/min)	0 ÷ 26	0 ÷ 18
Engine (Tier 4)	Deutz (Stage IV - T4)	Deutz (Stage IV - T4)
Engine power (kW/HP)	74.4/100	74.4/100
Steering	Three steering way, All wheel steering	
Brakes	Automatic parking brake	
Maximum gradeability: Fully laden (%)	45	40
Maximum gradeability: Empty (%)	55	50
Maximum transversal slope (%)	15	15
Maximum speed (km/h)	40	40
Standard tyres	405/70-20	500/45-20
Width (mm)	2300	2355
Height (mm)	3720	3880
Length (mm)	5250	5460

The data, features and illustrations contained in this document are for indicative purposes only, and are not binding. Merlo Spa pursues a policy of continual research and development, and as such, our products may feature characteristics that differ from those described or may be subject to modification without prior notice. The products illustrated may include optional equipment.



## DBM CONCRETE MIXER



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# DBM CONCRETE MIXER

## DEDICATED TO THE MOST DIFFICULT CONDITIONS

DBM concrete mixers have always demonstrated their ability to adapt. Their concept of construction and the exclusive technical features have enhanced the use of the DBM range in the most diverse and demanding working conditions.

Now, the renewed DBM concrete mixers come with a new engine in line with emission standards (Tier 4), maintaining, the distinctive features that distinguish it, such as structural soundness, ease of use and efficiency in terms of productivity, manageability and reduced consumption.



## The 6 Key Features

- **Reliability**
- **Practicality**
- **Comfort**
- **Performance**
- **Quality**
- **Efficiency**

### 1 – Reliability

Adaptability. This is the key word that has always distinguished this product family. DBM adopt high quality components and significant thickness of the sheet metal parts to maximize durability and reliability, making the product indestructible. The mixing drum is made of high wear-resistant steel.

### 2 – Practicality

Ease of use. Ergonomics and ease of use are two of the key features upon which the machine management system was developed. The extremely versatile water pick-up system makes it possible to operate with a 950 litre reserve, stored in the machine's tanks, or an external source. The dual drive direction facilitates the loading of the material; the rotating and tilting drum, the 360° discharge of the concrete around the machine: all this to guarantee maximum practicality.

### 3 – Comfort

The finest workplace. The spacious cab, with double controls and combined with a seat able the user to rotate through 180°, ensures that the vehicle can be driven in a comfortable and effective manner both on the road and on site, during the loading manoeuvre of the material and laying the concrete.

### 4 – Performance

Agile and powerful. Portal axles, which increase ground clearance; 100 hp engines, Tier 4 Final emissions; hydrostatic transmission with 4-wheel drive and 4 steering wheels make the DBM a true Off-Road machine capable of delivering high torque to the wheels, thereby allowing manoeuvres in any situation without difficulty.

### 5 – Quality

The ideal mix. Thanks to the electronic weighing of each component (available as an option); to the exclusive mixing system of the Merlo drum, with double helix screw; to the high ratio between the volume of the barrel and the concrete yield, the ideal high quality mixture can be made.

### 6 – Efficiency

A real construction site. DBM is designed to operate in complete autonomy even in the most hostile environments. The auto-loading shovel allows to handle up to 700 litres of aggregates for each loading cycle; the pump introduces up to 250 litres of water per minute into the mixing drum, making it possible to make up to 3.5 m<sup>3</sup> of concrete in less than 15 minutes.

