

Product line of  
**Rail shunters** >>

**WM** 50/150/300/500



easy to learn,  
easy to use,  
easy to maintain...

**KOLTECH**

## Application

The rail shunters **WM50, WM150, WM300, WM500** are for shunting the rail vehicles on the rail track where the travel, performed by vehicle own drive or its precise positioning in a desired place is not possible.

The system of four wheels enables the travel along the rails in both directions (forwards and backwards) with adjusted shunting speed. The shunters are provided with their own drive from two AC motors with infinitely variable speeds, through planetary gear, and then it is divided onto each axle.

The shunters are supplied from traction batteries. Voltage from the batteries is converted by means of inverter system onto a three-phase sinusoidal supplying network. A micro controller of reputed make manages the diagnosis and correctness of the servicing, while informing the operator about all messages and alarms.



## Technical specification **WM 50/150/300/500**

» Rail shunter	WM 50	WM 150	WM 300	WM 500
Length - approximate	3 000 mm	3 000 mm	4 000 mm	4 400 mm
Width - approximate	2 000 mm	2 200 mm	2 200 mm	2 200 mm
Height - approximate	3 070 mm	3 070 mm	3 200 mm	3 200 mm
Total weight - approximate	6 000 kg	10 000 kg	15 000 kg	25 000 kg
Diameter of wheels	610 mm	610 mm	850 mm	850 mm
Supply voltage	80 VAC	80 VAC	80 VAC	80 VAC
Battery capacity	450 Ah	750 Ah	750 Ah	1500 Ah
AC drive power	2 x 2,2kW	2 x 4 kW	2 x 7,5 kW	2 x 11 kW
Maximum towing force	6 kN	12 kN	22 kN	33 kN
Weight of train which can be shunted*	50 tons	150 tons	300 tons	500 tons
Maximum shunting speed	3 km/h	3 km/h	3 km/h	3 km/h
Maximum travel speed	7 km/h	7 km/h	7 km/h	7 km/h

\*Weight to be shunted has to travel along straight and level rail tracks.

■ PN EN ISO 9001:2001