



SINGLE DRUM ROLLERS

MBR71

Designed for the compaction of asphalt materials, Mecalac pedestrian rollers provide class-leading performance in applications including highway repair, footpaths, cycle lanes, playgrounds and landscaping environments.

The proven design provides superb balance, making it easy to manoeuvre in tight spaces.

Innovative rubber couplings in the drum reduce vibration transfer for low hand-arm (HAV) levels for additional comfort. The MBR-71 is fitted with a 'hold to travel' handle so that the hydraulic drive cuts off if the control lever is released.

For added versatility the MBR71 features an all-new tow-behind trailer and hydraulic breaker combination. Inverted suspension ensures the trailer is perfect for low loading, while a new light board design ensures optimum visibility and compliance for road-tow operation.

FEATURES – SINGLE DRUM ROLLERS

- Reliable, air-cooled engine with electrical start for easy start-up
- Effective drum clearing from front and rear scraper bars
- High capacity corrosion free water system ensures drum cleanliness at all times
- Hydrostatic transmission for easy manoeuvrability
- High quality surface finish on drum for improved results on asphalt surfaces





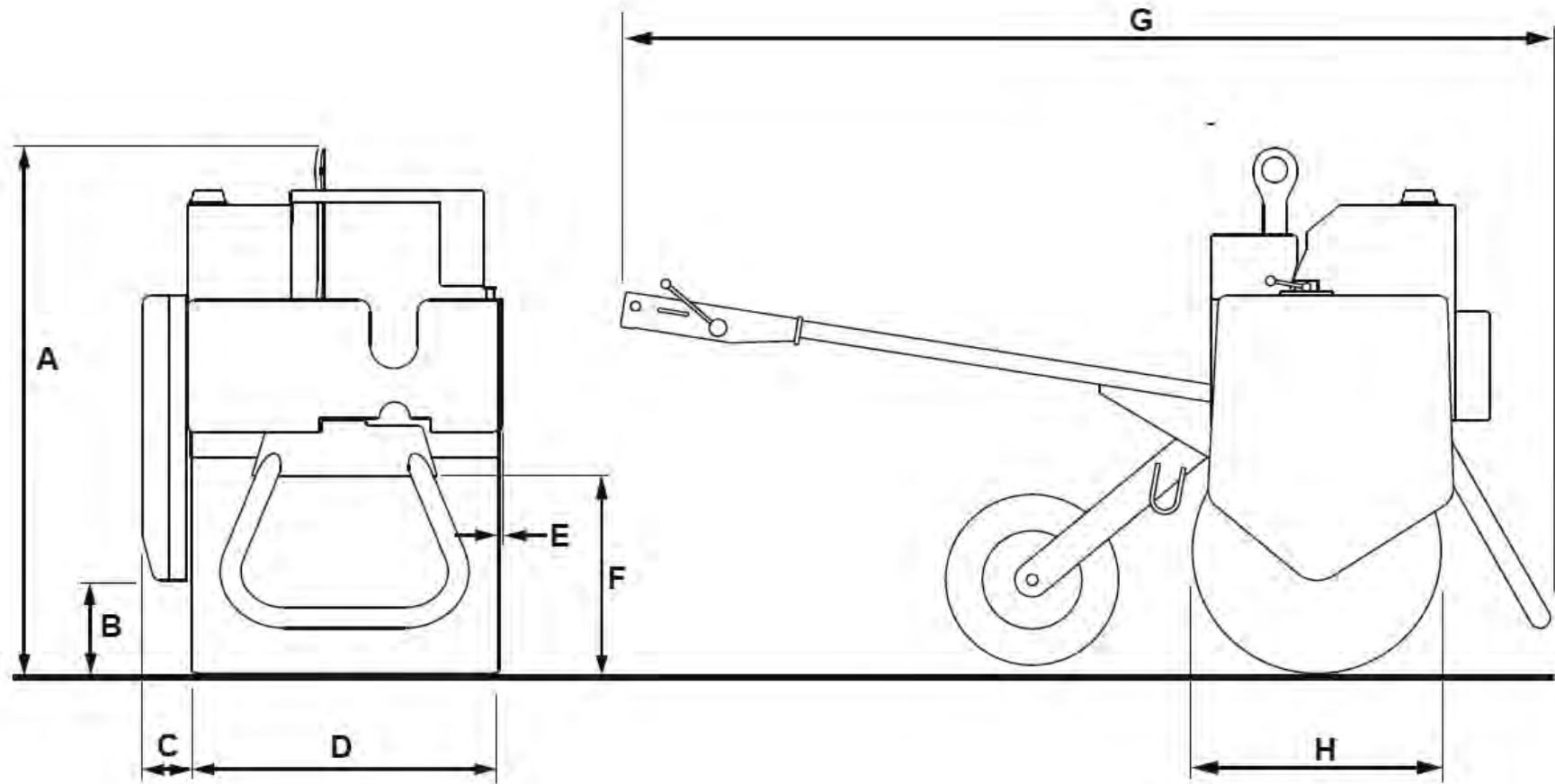
TECHNICAL SPECIFICATIONS



Compaction Roller Range	MBR-71	TV800	TV900	TV1000	TV1200	TV1300	TV1400
Operating Weight kg	513	1559	1568	2570	2925	3435	4390
Static Linear Load kg/cm	7.2	9.7	8.7	12.85	12.18	13.21	15.68
Frequency VPM	3900	2760 / 3120	2760 / 3120	2880 / 3360	2880 / 3360	2880 / 3360	2880 / 3360

→ TECHNICAL DATA PEDESTRIAN ROLLER

DIMENSIONS IN MM		MBR71
A	Overall Height	1300
B	Curb Clearance - Farside	215
C	Overhang - Farside	110
D	Drum Width	710
E	Overhang - Curbside	410
F	Curb Clearance - Curbside	2180
G	Drum Diameter	575
Drum Shell Thickness (not shown)		8.0



PERFORMANCE	MBR71
Total Static Basic Weight (kg)	504
Operating Weight (kg) CECE	513
Static Linear Load (kg/cm)	7.2
Frequency - Hz (VPM)	65 (3900)
Amplitude (mm)	0.66
Centrifugal Force (kN)	9.0
Gradeability - Without Vibration	33%
Gradeability - With Vibration	25%
ENGINE & DRIVE	MBR71
Engine Make	Hatz
Engine Model	1D42S
Cylinders	1
Displacement (cc)	445.7
Cooling	Air
Power - kW (HP) (DIN ISO 1585)	6.6 (8.85)
Operating Speed (rpm)	3000
Fuel Type	Diesel
Drive	Hydrostatic via Duplex Chain
Maximum Travel Speed (kph) - Forwards	3.2
Maximum Travel Speed (kph) - Reverse	1.0
Braking System - Service	Dynamic Hydrostatic
Braking System - Parking	Spring Apply / Hydraulic Release (Over Centre)
Start Type	Electric
CAPACITIES	MBR71
Hydraulic Tank Capacity (litres)	7.5
Fuel Tank Capacity (litres)	5
Water Tank Capacity (litres)	20
EMISSIONS	MBR71
Noise [dB] - LwA (2000/14/EC / ISO 4871)	92.0dB
Engine Emissions	EPA IV / Euro Stage IIIA
Hand Arm Vibration (HAV) - [EN500-4]	3.6m/s ²
EXCITER	MBR71
Type	Single Shaft
Drive	Vee Belt / Dry Clutch
WATER SPRAY SYSTEM	MBR71
System Type	Gravity Fed with Non-Corrosive Spray Bar
DRUM SCRAPER BARS	MBR71
System Type	Heavy Duty Adjustable - Front and Rear

STANDARD EQUIPMENT

Gravity Fed Water System
Drum Scraper Bars Front and Rear
Low Maintenance Battery (12V)
Emergency Release Free Wheel Valve
Heavy Duty Central Lifting Point
Battery Isolator
Emergency Stop
Front Prop Stand
Rear Jockey Wheel
Electric Starting
Hour Meter
30 litres / minute hydraulic take-off valve

OPTIONAL EQUIPMENT

Stanley BR50 Vibro-Damped Hydraulic Breaker with tools, valve and hosing (light use only)
Stanley BR67 Vibro-Damped Hydraulic Breaker with tools, valve and hosing (must be carried on towing vehicle)
'Towit' Tow-Behind Trailer with Storage Box, Prop-Stand, Number Plate Lighting and Road Lighting
'Towit' Tow-Behind Trailer, longer break-away tether cable with clip on hook.