With more than 60 years’ experience in both design and production, we continue to innovate, boasting a comprehensive portfolio of state-of-the-art equipment specifically developed to revolutionise operations for construction professionals worldwide – saving time, money and labour.

Built with innovation in mind, Mecalac compaction rollers are designed to withstand the most demanding tasks. Easy-to-use controls, intuitive layout and with vibration reduction technology enhance operator comfort and productivity.

Ranging from the versatile MBR71 pedestrian roller to the productive TV1400 tandem roller (and everything in-between), there’s the right machine for every application.
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.

- Reliable, air-cooled engine with electrical start for easy start-up
- Effective drum cleaning 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

FEATURES – SINGLE DRUM ROLLERS

TANDEM VIBRATING ROLLERS

Arguably some of the toughest in the world, the Mecalac range of tandem rollers are designed for the rigorous demands of the plant hire industry.

TV800

The TV800 (featuring an 800mm (2’7”) drum) is perfect for small sizes. An optional hydraulic breaker outlet provides 30L/min flow rate (Category 2), removing the need for an additional powerpack or compressor on site, further increasing versatility.

TV900

With a 900mm (2’11”) drum, high compaction productivity is achieved by the TV900’s mass exciter system, which delivers high dynamic force, optimised balance between frequency and amplitude provides ultimate versatility in meeting all kinds of job site conditions. An optional hydraulic breaker outlet provides 30L/min flow rate (Category 2).

TV1000

Setting the standard for asphalt and granular layers compaction, the TV1000 is operator friendly and highly productive. Hydrostatic power management provides excellent hill-climbing ability and, when combined with superb articulation delivering a tight turning circle, are highly manoeuvrable. The TV1000 features 1000mm (3’3”) wide drums.

NOTE

METRIC MEASUREMENTS ARE THE CRITICAL VALUES
DIMENSIONS ARE TAKEN FROM T152021

• 1 Litre = 0.26417 US Liquid Gallons
• 1 Litre = 0.21997 Imperial Liquid Gallons
**TV1200**

Bringing new life to a proven classic, the TV1200 features an all-new vacuum-formed bonnet, revised side arm, LED lights and a fully-refurbished luxury. A water-cooled diesel engine and renowned mass exciter system completes the set-up, guaranteeing a reliable roller with outstanding performance.

**TV1300 AND TV1400**

With 1300mm (4’3”) and 1400mm (4’7”) wide drums, outstanding productivity is achieved via the powerful, well-proven mass exciter system. Optimised balance between frequency and amplitude provides ultimate versatility in meeting all kinds of job site conditions.

**FEATURES – TANDEM VIBRATING ROLLERS**

- Rugged design to withstand plant hire industry conditions
- Water-cooled diesel engines provide excellent reliability, low noise and low emissions
- High-static linear loads reduce the number of passes
- Two frequencies provide enhanced versatility
- Optional pressure-fed water sprinkler provides greater flow regulation for improved cleaning capability

**TV1200**

Tandem vibrating rollers

**Technical Specifications**

<table>
<thead>
<tr>
<th>Compaction Roller Range</th>
<th>MBR-71</th>
<th>TV800</th>
<th>TV900</th>
<th>TV1000</th>
<th>TV1200</th>
<th>TV1300</th>
<th>TV1400</th>
<th>MBR-71</th>
<th>TV800</th>
<th>TV900</th>
<th>TV1000</th>
<th>TV1200</th>
<th>TV1300</th>
<th>TV1400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Weight (kg lbs)</td>
<td>513 (1130)</td>
<td>1257 (2770)</td>
<td>1559 (3437)</td>
<td>1568 (3457)</td>
<td>2570 (5665.8)</td>
<td>2925 (6448.5)</td>
<td>3435 (7572.8)</td>
<td>4390 (9678.2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Linear Load (kg/cm lb/in)</td>
<td>7.2 (40.3)</td>
<td>8.7 (49.3)</td>
<td>8.7 (49.3)</td>
<td>11.9 (68.2)</td>
<td>12.18 (68.2)</td>
<td>13.21 (73.9)</td>
<td>15.68 (87.8)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency VPM</td>
<td>3900</td>
<td>2760 / 3120</td>
<td>2760 / 3120</td>
<td>2760 / 3120</td>
<td>2760 / 3120</td>
<td>2760 / 3120</td>
<td>2760 / 3120</td>
<td>2760 / 3120</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**COMPACTION ROLLERS**
### Technical Data Pedestrian Roller

#### Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Height</td>
<td>1300 (4'3&quot;)</td>
</tr>
<tr>
<td>Curb Clearance - Farside</td>
<td>215 (8.5&quot;)</td>
</tr>
<tr>
<td>Overhang - Farside</td>
<td>110 (4&quot;)</td>
</tr>
<tr>
<td>Drum Width</td>
<td>710 (2'4&quot;)</td>
</tr>
<tr>
<td>Overhang - Curbside</td>
<td>22 (1&quot;)</td>
</tr>
<tr>
<td>Curb Clearance - Curbside</td>
<td>400 (1'4&quot;)</td>
</tr>
<tr>
<td>Overall Length</td>
<td>2147 (7'1&quot;)</td>
</tr>
<tr>
<td>Drum Diameter</td>
<td>Ø575 (1'11&quot;)</td>
</tr>
<tr>
<td>Machine Width</td>
<td>832 (2'9&quot;)</td>
</tr>
<tr>
<td>Drum Shell Thickness</td>
<td>8 (0.3&quot;)</td>
</tr>
</tbody>
</table>

#### Performance

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Static Basic Weight kg (lbs)</td>
<td>504 (1111)</td>
</tr>
<tr>
<td>Operating Weight kg (lbs) CECE</td>
<td>513 (1130)</td>
</tr>
<tr>
<td>Static Linear Load kg/cm (lb/inch)</td>
<td>7.2 (40.3)</td>
</tr>
<tr>
<td>Frequency - Hz (VPM)</td>
<td>65 (3900)</td>
</tr>
<tr>
<td>Amplitude (mm)</td>
<td>0.66</td>
</tr>
<tr>
<td>Centrifugal Force kN (lbf)</td>
<td>9 (2023)</td>
</tr>
<tr>
<td>Gradeability - without Vibration</td>
<td>33%</td>
</tr>
<tr>
<td>Gradeability - with Vibration</td>
<td>25%</td>
</tr>
</tbody>
</table>

#### Capacities

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydraulic Tank Capacity ltr (gallons (US))</td>
<td>7.5 (1.98)</td>
</tr>
<tr>
<td>Fuel Tank Capacity ltr (gallons (US))</td>
<td>5 (1.32)</td>
</tr>
<tr>
<td>Water Tank Capacity ltr (gallons (US))</td>
<td>20 (5.28)</td>
</tr>
</tbody>
</table>

#### Emissions

<table>
<thead>
<tr>
<th>Emission</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Noise (dB) - LwA (2000/14/EC / ISO 4871)</td>
<td>92dB</td>
</tr>
</tbody>
</table>

#### Exciter

<table>
<thead>
<tr>
<th>Model</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Single Shaft</td>
</tr>
<tr>
<td>Drive</td>
<td>Vee Belt / Dry Clutch</td>
</tr>
</tbody>
</table>

#### Water Spray System

<table>
<thead>
<tr>
<th>System Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Spray System</td>
<td>Gravity Fed with Non-Corrosive Spray Bar</td>
</tr>
</tbody>
</table>

#### Drum Scraper Bars

<table>
<thead>
<tr>
<th>System Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drum Scraper Bars</td>
<td>Heavy Duty Adjustable</td>
</tr>
</tbody>
</table>

#### Engine & Drive

<table>
<thead>
<tr>
<th>Model</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Make</td>
<td>Hatz</td>
</tr>
<tr>
<td>Engine Model</td>
<td>1D42S</td>
</tr>
<tr>
<td>Cylinders</td>
<td>1</td>
</tr>
<tr>
<td>Displacement cc (in³)</td>
<td>445.7 (27.2)</td>
</tr>
<tr>
<td>Cooling</td>
<td>Air</td>
</tr>
<tr>
<td>Power - kW (HP) (DIN ISO 1585)</td>
<td>6.6 (8.85)</td>
</tr>
<tr>
<td>Operating Speed (rpm)</td>
<td>3000</td>
</tr>
<tr>
<td>Fuel Type</td>
<td>Diesel</td>
</tr>
<tr>
<td>Drive</td>
<td>Hydrostatic via Duplex Chain</td>
</tr>
<tr>
<td>Maximum Travel Speed (kph) - Forwards</td>
<td>3.2 (2)</td>
</tr>
<tr>
<td>Maximum Travel Speed (kph) - Reverse</td>
<td>1 (0.63)</td>
</tr>
<tr>
<td>Braking System - Service</td>
<td>Dynamic Hydrostatic</td>
</tr>
<tr>
<td>Braking System - Parking</td>
<td>Spring Apply / Hydraulic Release (Over Centre)</td>
</tr>
<tr>
<td>Start Type</td>
<td>Electric</td>
</tr>
</tbody>
</table>

#### 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
- 30L/min 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

#### Notes

- Metric measurements are the critical values
- Dimensions are taken from T152021
- 1 Litre = 0.26417 US Liquid Gallons
- 1 Litre = 0.21997 Imperial Liquid Gallons
**TECHNICAL DATA COMPACT TANDEM ROLLERS**

**DIMENSIONS**
- **Wheelbase**: 2300/2800 (7'10")
- **Curb Clearance - Right**: 555 (1'10")
- **Overall Length**: 44 (11.6)
- **Overall Width**: 40%
- **Drum Diameter**: 24.5 (32.83)
- **Curb Clearance - Left**: 32.4 (43.4)
- **Drum Finish**: Diesel
- **Height to Top of Steering Wheel (Transport Height)**: 180 (47.5)
- **Drum Width**: 200 (52.8)
- **Drum Scraper Bars Front and Rear (both drums)**: 44 (11.6)
- **Gradeability - without Vibration**: 105%
- **Gradeability - with Vibration**: 60%
- **Centrifugal Force kN (lbf)**: 3795 (12'5")
- **Static Linear Load kg/cm (lb/inch)**: 40%
- **Total Static Basic Weight kg (lbs)**: 2197 (134)
- **Operating Weight kg (lbs) CECE**: 106

**PERFORMANCE**
- **Engine**: 12V DC
- **Power - kW (HP)**: 187 (257)
- **Displacement cc (in**

**ELECTRICAL SYSTEM**
- **Battery (volts)**: 2425 (7'11")
- **Alternator (amp)**: 24.5 (32.83)
- **Amber Beacon**: 12V DC

**ENGINE & DRIVE**
- **Cylinders**: 1
- **Vibrating Drums**: 35/35 (1.3”/1.3”)
- **Drum Shell Thickness mm (ft in)**: Ø550 (1'10")
- **Wheel Yanmar V2203-M**

**CAPACITIES**
- **Water Tank Capacity ltr (gallons (US))**: 248 (8.7)
- **Hydraulic Tank Capacity ltr (gallons (US))**: 3895 (12'9")
- **Fuel and Hydraulic Oil Tanks Level Gauges (TV1000 to TV1400)**

**EMISSIONS**
- **Noise (dBA)**: 86 (22.7)
- **Cooling**: Hydrostatic

**STANDARD EQUIPMENT**
- **Spray Modes**: 4
- **Braking System – Service**: 30%
- **Operating Speed (rpm)**: 2425 (7'11")
- **Fuel Type**: Diesel
- **Power - kW (HP)**: 1675 (5'6")
- **Displacement cc (in**
- **Battery (volts)**: 1470 (4'10")
- **Alternator (amp)**: 45/61 (10116/13713)
- **Amber Beacon**: 55 (35/35 (1.3”/1.3”)

**OPTIONAL EQUIPMENT**
- **1 Litre = 0.21997 Imperial Liquid Gallons**
- **DIMENSIONS ARE TAKEN FROM T152021**
- **NOTE**

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**COMPACTION ROLLERS**

**TECHNICAL DATA COMPACT TANDEM ROLLERS**

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- **Displacement cc (in**
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- **NOTE**

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**COMPACTION ROLLERS**