

# MIXERS



SOLUTIONS THAT LAST



## MORTAR AND PLASTER MIXERS

Often viewed as a commodity, lower production cost is usually seen as the over-riding goal in mortar mixer manufacturing. It shows – overall mortar mixer quality has been deteriorating for the last 20 years.

MBW has chosen the less traveled, higher ground – we have not sacrificed mixer quality. You may pay a little more for a MBW **Mortar Mixer**, but the returns in lower maintenance and longer life are worth consideration. We're so confident in the superiority of MBW's mixers that we simply encourage you to take a look and draw your own conclusions. Here's a short list of things to compare: paddle shaft and clamping design, bearing capacity, trunnion and pillow block quality, frame strength, drive gears, belt tension mechanism, drum latch/lock system, drum and grill weldments, engine shroud, front leg design, material types and gauge throughout the mixer.



A cast iron trunnion and pillow block house a triple seal protection system utilizing both rigid steel washers and flexible synthetic grease seals. This system provides for protection from contamination and premature failure.



A single piece of 1.63" hex steel makes up the MBW main shaft. Machining, rather than welding or bolting, improves strength and durability. Blade arms are held to the main shaft with conforming plates and hardware.



An engine shroud of heavy gauge steel provides protection and safety during operation and transport. Reinforced steel latches ensure long life and positive engagement.

SPECIFICATIONS	MM60	MM80	MM90	MM91	MM120	MM121
Batch Capacity	6.0 cu ft (.17 cu m) 1.5-2 bags	8.0 cu ft (.23 cu m) 2.5-3 bags	9.0 cu ft (.26 cu m) 3-3.5 bags	9.0 cu ft (.26 cu m) 3-3.5 bags	12.0 cu ft (.34 cu m) 3.5-4.5 bags	12.0 cu ft (.34 cu m) 3.5-4.5 bags
Drum Wrap End Plates	10 gauge 7 gauge	10 gauge 7 gauge	10 gauge 7 gauge	10 gauge 7 gauge	7 gauge 1/4"	7 gauge 1/4"
Engine Models	5.5 hp Honda 8 hp Honda	8 hp Honda	8 hp Honda	11 hp Honda	11 hp Honda	13 hp Honda
Engine/ Shaft Speed	3500/41 rpm 3300/39 rpm	3300/39 rpm	3300/39 rpm	3300/39 rpm	3300/33 rpm	3300/33 rpm
Drive Type	V-belts to gears	V-belts to gears	V-belts to gears	Hydraulic	Enclosed Gearbox	Hydraulic
Motor Model	1.5 hp, 1 phase, 115v/230v	2 hp, 1 phase, 230v	3 hp, 1 phase, 230v	5 hp, 1 phase, 230v 5 hp, 1 phase, 230v/460v	N/A	5 hp, 1 phase, 230v 5 hp, 1 phase, 230v/460v
Motor/ Shaft Speed	1725/33 rpm	1725/33 rpm	1725/33 rpm	1725/33 rpm	1725/33 rpm	1725/33 rpm
Drive Type	Chain to V-belts to Gears	Chain to V-belts to Gears	Chain to V-belts to Gears	Hydraulic	N/A	Hydraulic
Standard Axle	46 in solid axle (torsion axle optional)	46 in solid axle (torsion axle optional)	46 in solid axle (torsion axle optional)	46 in solid axle (torsion axle optional)	61 in Torsion Axle	61 in Torsion Axle
Wheel	12 x 4.80 in high-speed	ST175/ 80D13 high-speed	ST175/80D13 high-speed	ST175/80D13 high-speed	ST175/80D13 high-speed	ST175/80D13 high-speed
Mixer Size – WxLxH	46 x 64 x 56 in (117 x 163 x 142 cm)	46 x 67 x 57 in (117 x 170 x 145 cm)	46 x 71 x 57 in (117 x 180 x 145 cm)	46 x 70 x 58 in (117 x 178 x 147 cm)	61 x 86 x 57 in (155 x 218 x 145 cm)	61 x 86 x 57 in (155 x 218 x 145 cm)
Mixer Weight	665 lbs (302 kg)	750 lbs (340 kg)	775 lbs (352 kg)	1072 lbs (486 kg)	985 lbs (447 kg)	1295 lbs (587 kg)
Charging Height	47 in (119 cm)	49 in (124 cm)	49 in (124 cm)	56 in (142 cm)	49 in (124 cm)	56 in (142 cm)

( ) Metric Measurements.  
Specifications subject to change without notice.

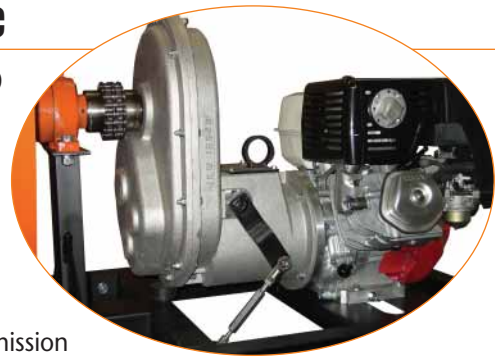
## 12 CUBIC FOOT MORTAR MIXER: GEARBOX VS. HYDRAULIC

MBW manufactures 12 cu. ft. mortar mixers in either enclosed gearbox or hydraulic versions. Both models feature lower charging heights than competitive units, easily accessed grease fitting on both ends of shaft assembly, removable front leg, torsion axles, extra heavy duty drums, frame and engine shroud and reliable Honda power.

Model MM121 features hydraulic drive and dump with sufficient power to perform both functions simultaneously.

Pressure relief valve stops paddle rotation in the event of jamming and paddles can be reversed momentarily to remedy the lock-up condition. Heavy-duty chain coupler connects drive and paddle shaft. The MM121's lower charge height and elongated profile provide benefits in charging, mixing, dumping and towing. Overall construction is very heavy-duty.

Model MM120 offers all of the same quality features as the MM121 but with an enclosed gearbox transmission and heavy-duty Rockford clutch.



**MM121  
HYDRAULIC**

## MIXER FEATURES

**Heavy-Duty Cast Bull Gear**  
for long life

**Spring Tension Idler System**  
eliminates belt adjustments

**Double Locking Pin System**  
for tow pole safety

**Pintle or Ball Hitch**  
optional for an additional cost

**Removable Front Leg**  
to rigidly affix to a trailer or replace easily if damaged

**Rigid Engine Deck**  
for sure mounting

**Single Piece Self Opening/ Closing Grate Cover**  
adds strength and safety

**Steel Paddle Shaft Clamps**  
provides maximum drive power without slippage

**1-5/8" Solid Hex Shaft**  
adds strength, no welding, machined

**Triple Seal**  
3 synthetic seals. 3 metal washers

**Hands Free**  
drum locking mechanism facilitates operation and increases safety



## CONCRETE MIXERS

MBW Concrete Mixers are ruggedly built and take the punishment of this demanding application. Heavy-duty frame, drum yoke and drum assemblies are long-wearing and matched to anticipated stresses and loads. High quality cast iron pinion and gear rings provide long life and heavy-duty shroud opens to provide easy access to interior engine compartment. MBW concrete mixers are powered by reliable Honda engines with exterior "Shut Down" button for instant stopping of the mixer. Both models are well balanced and feature spring mounted axle assemblies for easy, stable towing.

- 6 and 9 cubic foot capacities
- All steel drums
- Lower charging heights
- One piece, heavy-duty cast iron ring gear
- Spring mounted axles
- Heavy duty engine shroud
- B78 x 13" tires
- 2" ball or pintle hitch
- Powered by reliable Honda engines



SPECIFICATIONS	CM6	CM9
Batch Capacity	6.0 cu ft (.18 cu m) .5-1 bags	9.0 cu ft (.26 cu m) 1-1.5 bags
Engine Model	5.5 hp Honda 8 hp Honda	8 hp Honda
Engine Drive Type	V-belts	V-belts
Standard Axle	Leaf Spring	Leaf Spring
Wheels	ST175/80D13 high-speed	ST175/80D13 high-speed
Size WxLxH	51 x 102 x 59 in (130 x 259 x 150 cm)	51 x 106 x 63 in (130 x 269 x 160 cm)
Discharge Height	23 in (58 cm)	23 in (58 cm)
Drum Opening	19 in (48 cm)	21 in (53 cm)
Drum Depth	29 in (74 cm)	31 in (79 cm)
Weight	685 lbs (311 kg)	810 lbs (367 kg)

( ) Metric Measurements.  
Specifications subject to change without notice.



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