



# MORTAR MIXERS



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# MORTAR MIXERS

## MORTAR 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 and life have been deteriorating for the last 30 years.

MBW does not sacrifice 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. The things to compare include:

- 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 grid weldments
- engine shroud
- front leg design
- material types
- gauge throughout the mixer

### US & International Patents

MODEL	MM60	MM80	MM90
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
Drum Wrap End Plates	10 gauge 7 gauge	10 gauge 7 gauge	10 gauge 7 gauge
Standard Axle	46 in solid axle		
Wheel	12 x 4.80 in high speed	ST175/80D13 high speed	ST175/80D13 high speed
Size	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)
Weight	650 lb (295 kg)	715 lb (324 kg)	730 lb (331 kg)
Charging Height	47 in (119 cm)	49 in (124 cm)	
Engine Options	Honda GX160 Honda GX240	Honda GX240	Honda GX240
Engine/Shaft Speed	3500/41 rpm 3300/39 rpm	3300/39 rpm	3300/39 rpm
Drive	V-belts to Gear		
Electric Option	1.5 hp, 1 phase 115v/230v	2 hp, 1 phase 230v	3 hp, 1 phase 230v
Motor/Shaft Speed	1725/33 rpm		
Drive	Chain to V-belts to Gear		

( ) Metric Measurements

## 12 CUBIC FOOT MIXERS



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 clutch.

MODEL	MM120	MM121
Batch Capacity	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	7 gauge 1/4"	7 gauge 1/4"
Standard Axle	61 in torsion axle	
Wheel	ST175/80D13 high speed	ST175/80D13 high speed
Size	61 x 86 x 57 in (155 x 218 x 145 cm)	61 x 88 x 60 in (155 x 224 x 152 cm)
Weight	985 lb (447 kg)	1230 lb (558 kg)
Charging Height	49 in (124 cm)	56 in (142 cm)
Engine Option	Honda GX390	
Engine/Shaft Speed	3300/39 rpm	3300/33 rpm
Drive	Enclosed Gearbox	Hydraulic
Electric Options	N/A	5 hp, 1 phase 230v 5 hp, 3 phase 230v/460v
Motor/Shaft Speed	N/A	1725/33 rpm
Drive	N/A	Hydraulic

( ) Metric Measurements



# MORTAR MIXERS

## MIXER FEATURES

### HEAVY-DUTY CAST BULL GEAR

for long life  
(MM60, 80 & 90 only)

### SPRING TENSION IDLER SYSTEM

eliminates belt adjustments  
(MM60, 80 & 90 only)

### BALL HITCH

standard on  
all mixers

### REMOVABLE FRONT LEG

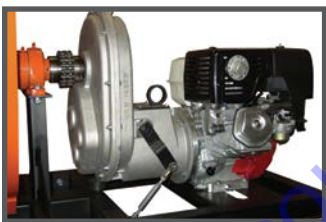
to rigidly affix to a  
trailer or replace easily  
if damaged

### RIGID ENGINE DECK

for sure mounting

### DOUBLE LOCKING PIN SYSTEM

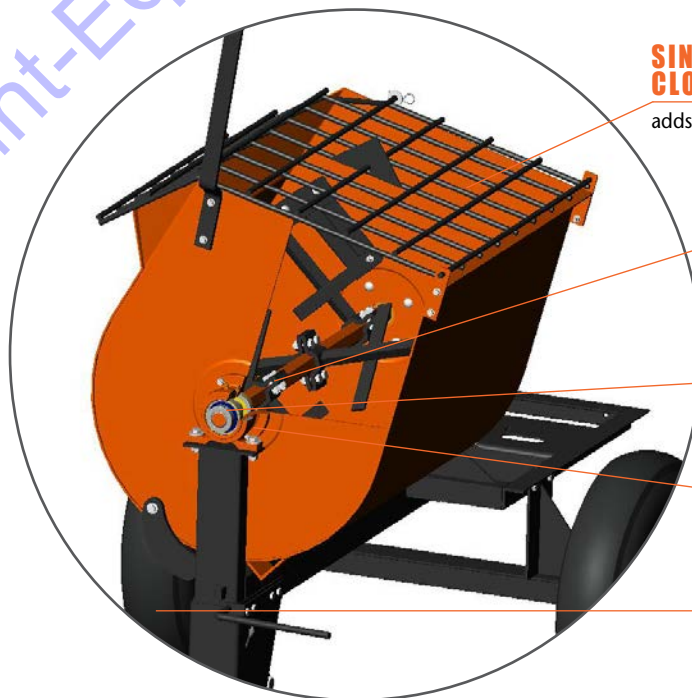
for tow pole safety



MECHANICAL



HYDRAULIC



### 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  
(not included on the MM121)



## ABOUT MBW INC.

Since 1967, MBW has been manufacturing one of the construction industry's most interesting lines of compaction, concrete and related equipment.

### WHAT MAKES THE MBW LINE INTERESTING?

MBW is not a copyist—we do not duplicate designs developed by others. MBW begins each new engineering project with the assumption that significant progress can be made in terms of improved productivity, reduced maintenance, longer life, enhanced user safety or lower long-term cost of ownership. Often, MBW's R&D efforts result in entirely fresh approaches to solving industry problems. Many of our products have pushed the productivity envelope to new heights. Some MBW products afford their operators the industry's safest tools in a given product class. Most MBW products solve long standing maintenance issues and extend product life expectations. Our goal is to provide equipment users with products of significant, tangible, comparative value . . . reasons to invest in MBW products.



**SCREEDS**



**ROLLER ATTACHMENTS**



**RAMMERS**



**TROWELS**



**SLIPFORM PAVERS**



**VIBRATORY PLATES**

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