



Tiger Machine Company



DM-MIXER

## CONCRETE BATCH MIXERS DM SERIES TURBINE MIXERS

### The importance of good mixing and batching:

The proper selection of the correct type and size of clean, strong and well graded raw materials is one of the most important steps in the production of quality concrete. Fine and coarse aggregates, cement, water, coloring and admixtures must be blended in the right proportions to achieve a concrete of the correct characteristics for the application required. In order to obtain superb quality concrete, the batching and mixing equipment must also be of high quality and capable of producing the most homogeneous mix of concrete, with the best mixing ratio. This is the first and one of the most important steps in the production of high quality, durable, strong and aesthetically pleasing concrete pre-manufactured products. Whether it is for mixing of dry concrete materials for sales of bagged concrete mixes, or mixing semi-dry concrete for the production of concrete masonry units, concrete pipe, or pre-cast (pipe and others) or pre-stressed products, Tiger mixers are sure to do the best job. All quality products start here!

**General features of Tiger mixers:** Tiger's extensive line of mixers are designed with the newest technological features that will assure the production of great quality concrete for use in any production machine requiring zero (0) slump semi-dry concrete for diverse applications. Tiger mixers like any other machinery and/or component made by Tiger are made to the highest quality standard in the industry. Tiger machinery is made by the best qualified engineers, designers, technicians, and assemblers at their manufacturing and design locations. From their inception, design, manufacture, assembly, testing, packaging, installation and start up, Tiger mixers are on the leading edge of innovative thinking. This creates mixers that are durable, strong, easy to operate, easy to maintain, reasonably priced, and that have low operating and maintenance costs.

### Specifications: Tiger DM Series Batch Mixers

- Ni-Hard abrasion resistant replaceable drum liners
- Ni-Hard abrasion resistant replaceable planetary blades mounted on planetary blade arms
- HYDRAULICALLY operated mixer gate (DM-48 or over) (DM-8, DM-24 & DM-36: Pneumatic)
- Self lubricating gearing and drive
- Full frame base platform with large horizontal bull-gear and pinion drive
- Dual action self lubricators
- Heavy duty sealed thrust bearings
- High torque capacity electric motors sized for a specific range volume and weight of material in various sizes
- Highest planetary mixing homogeneity factor
- Low operating costs
- Low maintenance costs

**No matter what your mixer needs are, TIGER has a solution for your project!**

MIXING & BATCHING



DM-8 MIXER



DM-36 MIXER



DM-81 MIXER



MIXING & BATCHING

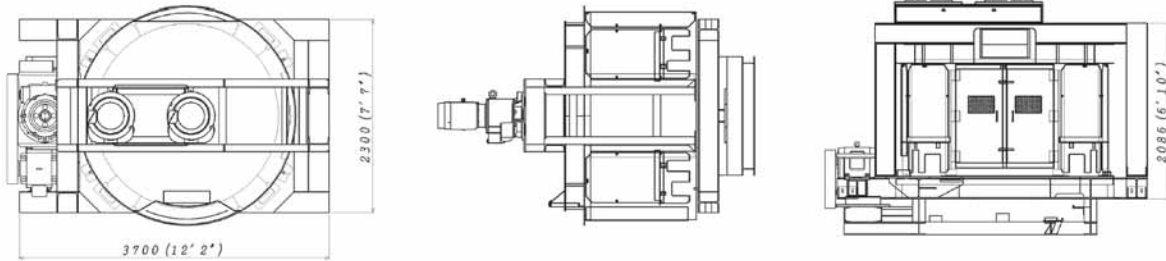


*Leadership through innovation.*

# TIGER BATCHING & MIXING SPECIFICATIONS & FEATURES

Please discuss your plant requirements with a TIGER representative. Our TIGER team of experts in the field of concrete product manufacturing are ready to assess your needs and provide the equipment that best suits your requirements. Let us help you identify the correct DM Mixer to fit your product applications.

## DM-81



Download these and other TIGER technical specifications at [www.tigermachine.com/resources/](http://www.tigermachine.com/resources/)

### DM SERIES BATCH MIXERS | TURBINE TYPE\*

Features	DM-8	DM-24	DM-36	DM-48	DM-60	DM-81
Air operated gate	Std.	Std.	Std.	N/A	N/A	N/A
Hydraulically operated gate	N/A	N/A	N/A	Std.	Std.	Std.
Drive clutch - air/direct drive	Direct, Chain	Direct, Chain	Direct, Chain	Direct, Chain	Direct, Chain	Direct, Chain
Motor(s) and base	Std.	Std.	Std.	Std.	Std.	Std.
Oil filled gear housing	Std.	Std.	Std.	Std.	Std.	Std.
Pulley guard	Std.	Std.	Std.	Std.	Std.	Std.
Totally enclosed drum	Std.	Std.	Std.	Std.	Std.	Std.
Discharge gate vibrator, pneumatic piston type	N/A	Std.	Std.	Std.	Std.	Std.
Cleanout gate - manual	Std.	Std.	Std.	Std.	Std.	Std.
Liners w/moisture sensor probes	Std.	Std.	Std.	Std.	Std.	Std.
<b>Specifications</b>						
Drum and agitator drive motor kW/hp	7.5 kW/10 hp	18.5 kW/21.8 hp	30 kW/10.25 hp	N/A	N/A	N/A
Drum drive motor(s) kW	N/A	N/A	N/A	15 kW/20.14 hp x 1 pc.	22 kW/29.5 hp x 1 pc.	22 kW/29.5 x 1 pc.
R.P.M. of the drum	8.8 RPM	11.4 RPM	11.4 RPM	7.5 RPM	7.5 RPM	7.5 RPM
Agitator drive motor(s) kW	N/A	N/A	N/A	15 kW x 2 pcs.	15 kW x 2 pcs.	22 kW x 2 pcs.
R. P. M. of Agitator(s)	81.5 RPM	54.3 RPM	54.3 RPM	36 RPM	36 RPM	36 RPM
Compressed air requirements m3	0.75 m3	0.75 m3	0.75 m3	0.6 m3	0.6 m3	0.6 m3
Compressed air pressure required Mpa	0.7 MPA	0.7 MPA	0.7 MPA	0.7 MPA	0.7 MPA	0.7 MPA
Water inlet pipe size (diameter) cm/in	27.2 mm / 3/4"	34 mm / 1"	34 mm / 1"	42.7 mm / 1-1/4"	42.7 mm / 1-1/4"	42.7 mm / 1-1/4"
<b>Productivity</b>						
Maximum dry capacity kgs/lbs	300 kg/660 lbs	1100 kg/2420 lbs	1600 kg/3524 lbs	2300 kg/5060 lbs	2750 kg/6050 lbs	3200 kg/7040
Mixer volume size & rating	0.15 m3	0.5 m3	0.7 m3	1.0 m3	1.2 m3	1.5 m3
<b>Options</b>						
Moisture meter system	available	available	available	available	available	available
<b>Mixer dimensions</b>						
Approximate width mm	1760 mm	3300 mm	3300 mm	3700 mm	3700 mm	3700 mm
Approximate height mm	1650 mm	1890 mm	2030 mm	1890 mm	1900 mm	2100 mm
Approximate length mm	1100 mm	1650 mm	1650 mm	2300 mm	2300 mm	2300 mm
Approximate shipping weight (net) kgs	2300 kg	5000 kg	7000 kg	13300 kg	13500 kg	13700 kg

### JOIN THE CONCRETE REVOLUTION

TIGER reserves the right to change, discontinue or improve product design and specifications without prior notice.

\*DM-12 & DM-16 Available upon request.



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