PRIMAX

PRIMAX

PRODUCT
PERFORMANCE
PRIDE

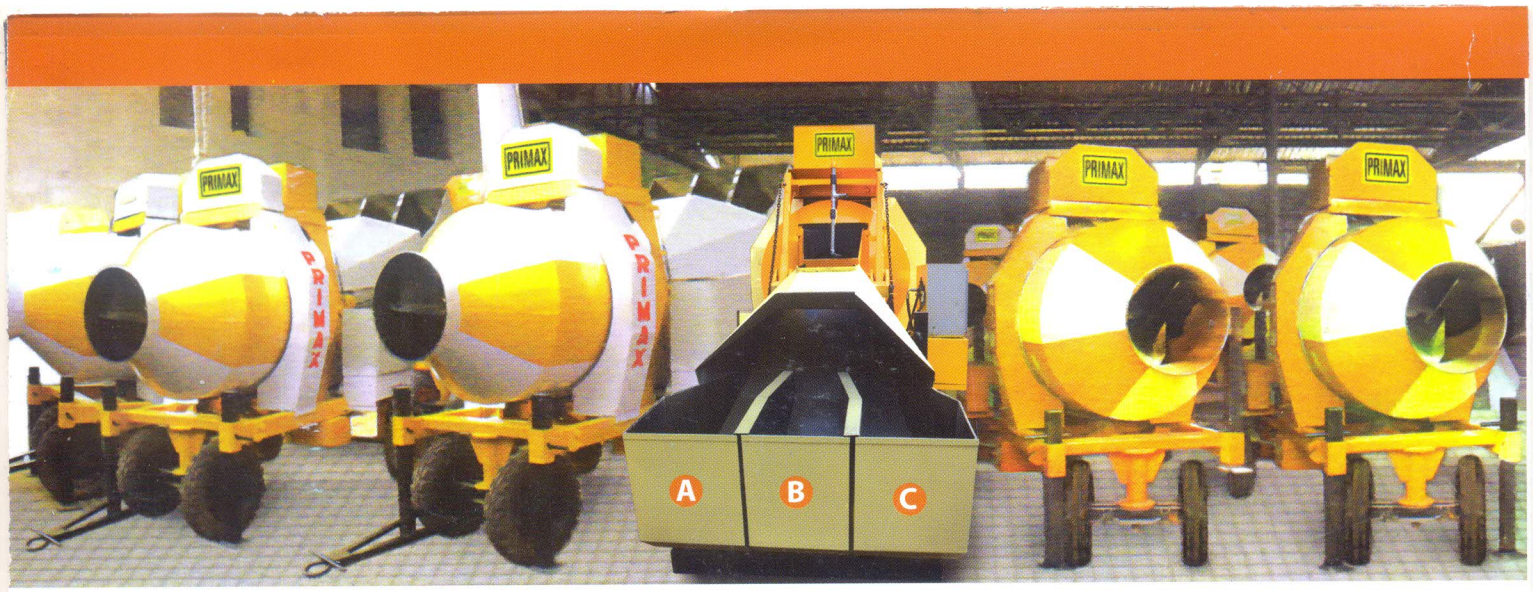
CONCRETE BATCHING PLANT

THE COMPLETE SOLUTION
FOR CONCRETING

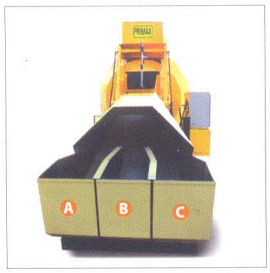
SINCE 1978

9, 12 & 15 Cu. M. /Hr

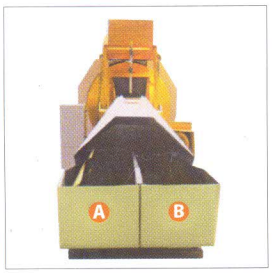
An ISO 9001 : 2015 Company



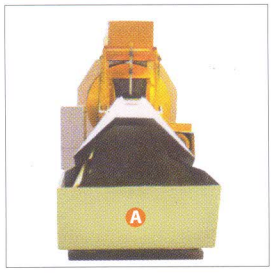
Various weighing options to give more accuracy of aggregate, sand & cement



Three bins facilitates for weighing aggregates & sand simultaneously

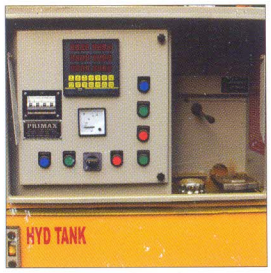


Two bins aggregates & sand are individually weighted parallely



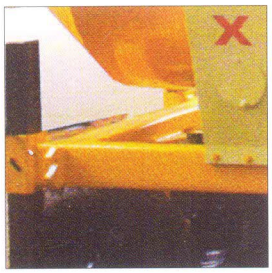
Single bin aggregates & sand are weighted

Options for various models
Automised Digital Admixture Feeding System.



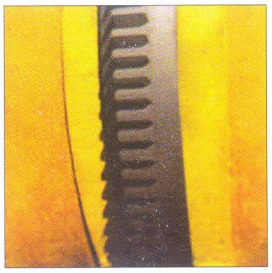
Automised Water & Admixture Feeding Control
The system enhances the quality of concrete by accurate mixing water & admixture.

Manual handle for concrete discharge
Additional feature: Manual handle is provided for discharge of concrete in case of power failure.

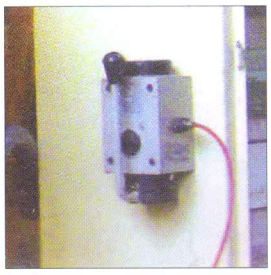


Chassis is made out of hollow, square and rectangular section for long life.

Load Cell based weighing system.



Drum Gear Ring made with special type steel for increased durability.



Manual Lubricating Pump for centralised lubricating system.

FEATURES

To get the consistent quality of cement concrete all ingredients like cement, sand, metal, water and additive chemicals are measured and mixed per batch.

Electronic load cell system is attached to skip and indication of weight to a accuracy of ±2% of the quantity (IS 456:2000.10.2) is displayed on a digital display unit fixed on panel.

In line water flow meter is fitted for measurement of water which indicates quantity of water added to the batch and the feeding quantity is controlled by preset switch.

With reversible action loading from one end and after mixing unloading from other end becomes easy and time saving. It also helps loading and measuring for the next batching while mixing.

Water being added when the materials is loaded in drum through skip.

The drum height at unloading point is so adjusted, that mixed concrete gets unloaded directly in concrete pump inlet.

Operating the plant is very easy. The up and down operation of Hydraulic skip/hopper is done through a lever.

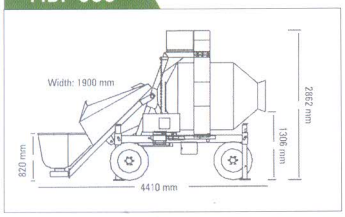
Push buttons are provided for forwarding and reversing the drum. For instant stoppage of drum, a red emergency knob is provided. To add water manual and auto operation switches are provided on the panel.

For best mixing result reverse drum mixer is used.

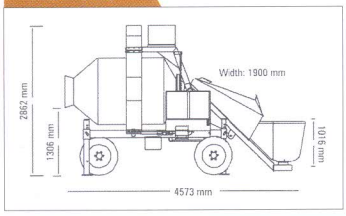
Auto Water Control Meter and other options are provided Inbuilt μ_C Weighing System-Load cell based digital display for more accuracy of aggregate sand fr cement

TECHNICAL DIAGRAM

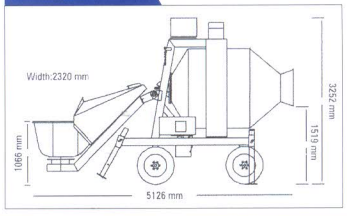
MBP 500



MBP 800



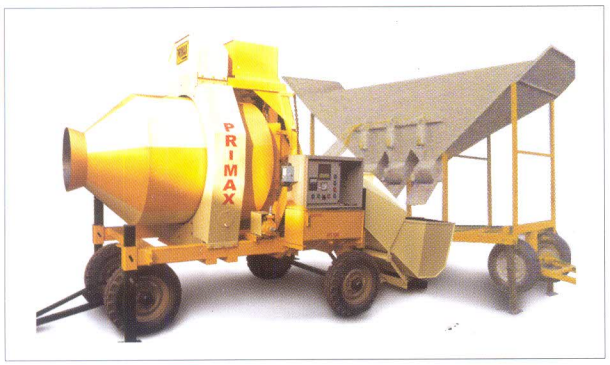
MBP 1050



TECHNICAL FEATURES

Specification	MBP 500	MBP 800	MBP 1050
Hopper Capacity	550 Litres	800 Litres	1050 Litres
Batch Capacity	400 Litres (0.4 cum)	600 Litres (0.6 cum)	750 Litres (0.75 cum)
Machine Output	7-9 Cu.M./hr.	10-12 Cu.M./hr.	12-15 Cu.M./hr.
Power	10 HP (7.5 KW) Electric Motor	10 HP (7.5 KW) Electric Motor	12.5 HP (9.5 KW) Electric Motor
Water Tank Capacity	100 Litres	120 Litres	150 Litres
Weighing System	Load Cell based weighing system with digital display	Load Cell based weighing system with digital display	Load Cell based weighing system with digital display
Water Pump	Self priming mono-set type	Self priming mono-set type	Self priming mono-set type
Hopper Lifting	Hydraulic	Hydraulic	Hydraulic
Hydraulic Pump	16 lmp @ 200 bar	16 lmp @ 200 bar	20 lmp @ 200 bar
Hydraulic Oil Tank	40 litres	60 litres	90 litres
Drum Gear Ring & Roller	Accurately machined drum gear assembly (made with special type steel) for transmission drive with heavy duty rollers guide for increased durability	Accurately machined drum gear assembly (made with special type steel) for transmission drive with heavy duty rollers guide for increased durability	Accurately machined drum fit gear assembly (made with special type steel) for transmission drive with heavy duty rollers guide for increased durability
Wheels	4 Nos. Pneumatic Wheels	4 Nos. Pneumatic Wheels	4 Nos. Pneumatic Wheels
Jack Levelling	Pin Type (4 Nos.)	Pin Type (4 Nos.)	Pin Type (4 Nos.)
Overall Dimensions	L-4410 x W-1900 x H-2862	L-4573 x W-1900 x H-2862	L-5126 x W-2320 x H-3252
Weight (approx.)	2500 Kg	2600 Kg	2900 Kg
Logistic			
20' Container	1 open top container	1 open top container	1 open top container
40' Container	3 in high cube	3 in high cube	3 in high cube

Options for various models Batch Printing System



Pneumatic Feeding System
Aggregate 1,2 and sand can be used to feed any MBP Models with the help of pneumatic feeding system.

Pouring in the Concrete Pump
PRIMAX Reversible Mixers can be used in Concrete Pump as per requirement. At a time 2 Nos. 12 cuM/Hr (MBP 800) Model units to be installed with Concrete Pump (Middle portion) for higher volume concrete production.

Shifting of concrete through Tower Crane
The concrete from the PRIMAX MBP 800 can be taken into the special type bucket for quick shifting of the concrete as per optimum height for high rise buildings and bridges.

Transportation on Wheel
The height of the unit is designed in such a way that it can directly discharge the concrete in tractors / dumpers.

Pouring of the concrete in Transit Mixer
PRIMAX MBP 800 Reversible Mixer can directly discharge the concrete at a height of 3.5 meter to 4 meter (approx.) through conveyor belt.

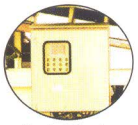
Concrete Mixer with Digital Weighing System (Model P-7 DWS)

Hopper Capacity	280 Litres (10CFT Unmixed)
Batch Capacity	200 Litres (7CFT Mixed)
Loading Hopper (Feeder system)	Single/Two/Three Bin Hopper Hydraulic Operated with heavy duty Power Pack
Power	10 H.P. Air Cooled Diesel Engine
Mixing Drum	Tilting drum type
Chassis	Heavy duty fabricated chassis
Wheels	Pneumatic wheels, 4 nos. for easy mobility
Water System	Atomized water meter with water pump
Weighing	In-built weighing system Digital Type { sand, metal and cement is weighed using Load Cell}
Control Panel	Latest technology power control panel for Digital Weighing and Atomized Water operating system

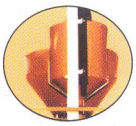
Mobile Concrete Plant - Drum Mixer

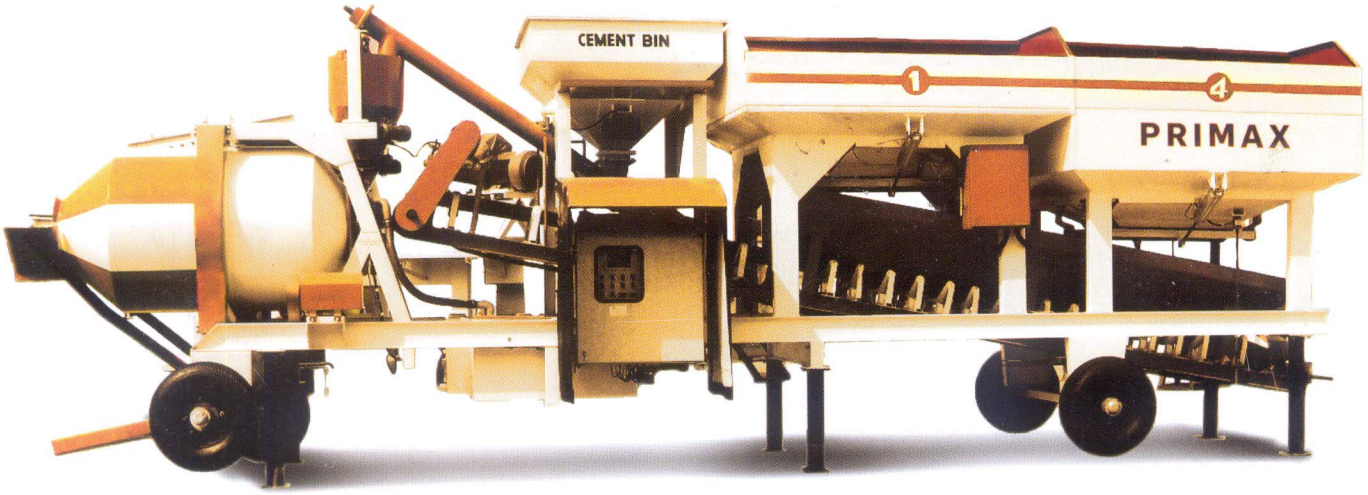
MODEL	MCBP-15DM	MCBP-18DM
OUT CAPACITY	15 M^3 / HR.	18 M^3 / HR.
MIXER	REVERSIBLE DRUM TYPE	REVERSIBLE DRUM TYPE
MIXER MOTOR	12.5 H.P.	15.0 H.P.
HOPPERS	4 x 2.0 M^3	4 x 3.0 M^3
CEMENT SILO	1.0 TON	1.5 TON
DISCHARGE HEIGHT	1.5 MTRS.	1.5 MTRS.
TOTAL CONNECTED H.P.	36.5 H.P.	40.0 H.P.
REQUIRE D. G Set	62 KVA	75 KVA
OVER ALL DIMENSION	2.4 M (W) X 4.0 M (H) X 10 M (L)	

Reversible Mixer


Control Panel

Weighing System for Sand & Aggregate


Weighing System for Cement & Additive



Compact Concrete Batching Plant

Twin Shaft Mixer

Pan Mixer

Control Panel

MODEL	CCBP-20	CCBP-30	CCBP-45
OUT CAPACITY	20 M^3 / Hr	30 M^3 / Hr.	45 M^3 / Hr.
MIXER	PAN/TWINSHAFT	PAN/TWINSHAFT	PAN/TWINSHAFT
PAN MIXER MOTOR	25 H.P.	30 H.P.	30 H.P.
TWIN SHAFT MOTOR	12.5H.P X 2	20H.P X 2	25H.P X 2
HOPPERS	4 x 2.5 M^3	4 x 3.5 M^3	4 x 4 M^3
CEMENT SILO	1.0 TON	1.5 TON	1.5 TON
DISCHARGE HEIGHT	8"	10"	10"
TOTAL CONNECTED H.P.	49/54H.P.	59/69 H.P.	69/79H.P.
OVER ALL DIMENSION	2.5 M (W) x 4 M (H) X 11 M (L)		

Mobile Concrete Batching Plant - Pan/Twin Shaft Mixer

MODEL	MCBP-20	MCBP-30	MCBP-45
OUT CAPACITY	20 M^3 / Hr	30 M^3 / Hr.	45 M^3 / Hr.
MIXER	PAN/TWINSHAFT	PAN/TWINSHAFT	PAN/TWINSHAFT
PAN MIXER MOTOR	25 H.P.	30 H.P.	30 H.P.
TWIN SHAFT MOTOR	12.5H.P X 2	20H.P X 2	25H.P X 2
CEMENT SILO	1.0 TON	1.5 TON	1.5 TON

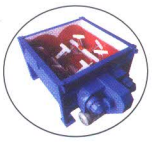
Pan Mixer

Control Panel

Weighing System for Sand & Aggregate

Specifications may change at our sole discretion without notice

Planetary Mixer

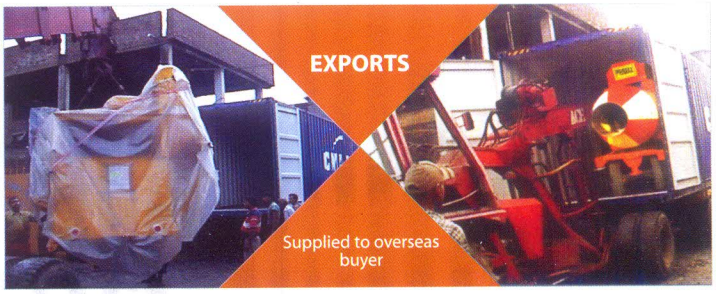


Twin Shaft Mixer

Compact Concrete Batching Plant

Technical Specification

Description	CBP-30	CBP-60
Mixer	Planetary Mixer / Twin Shaft Mixer	Planetary Mixer / Twin Shaft Mixer
Mixer Capacity (Filling Volume / Plastic Concrete)	750 ltr / 500 ltr	1500 ltr / 1000 ltr
Mixer Motor	18.5 Kw	37.0 Kw
Throughput (Volume of fresh Concrete with a mixing time of 30 sec per 30 m3/hr batch in Continuous operation)	30 m^3/hr	59 m^3/hr
Concrete Discharge Height	4.1 m	4.0 m
Aggregate Storage		
Type	Compartment	Compartment
No. of Bins	4 nos	4 nos
Maximum Aggregate Size/ maximum quantity	40 mm/ 20%	60 mm/ 20%
Total Storage Capacity	20 m^3	40 m^3
Volume / Weighing Capacity		
Aggregate	1000 ltr / 1400 kg with density 1400 kg/m^3	1800 ltr / 2500 kg with density 1400 kg/m^3
Cement	250 ltr / 350 kg	480 ltr / 600 kg
Water	180 ltr	250 ltr
Admixture	7 ltr	14 ltr
Air Compressor Unit		
Type	Two stage, reciprocating Unit	Two stage, reciprocating Unit
Tank Capacity	150 ltr	160 ltr
Cement Screw Feeder		
Nominal Output	25 Tph	60 Tph
Length	10 m	10 m
Diameter	168 mm	219 mm
Motor Power	7.5 Kw	9.2 Kw
Load Cells		
Aggregate Weighing	4 nos	4 nos
Cement Weighing	3 no	3 no
Water Weighing	1 no	3 no
Admixture Weighing	1 no	1 no
Load		
Maximum Operational Load	50 Kw	80 Kw
Total Connected Load	66 Kw	90 Kw



SERVICE & NETWORK We have a network of offices, authorised representstives at key locations and customer bases. Our service engineers and spare parts are made available in the quickest possible time, ensuring minimum break down time.

PRIMAX Equipment Pvt. Ltd.

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