

AQUARIUS MOBILE CONCRETE BATCHING PLANTS - MP 21 & MP 24



AQUARIUS has introduced two models in their range of Mobile Batching Plants. The new plants have been designed by understanding the requirements of the small sites that do not need concrete production rate as high as 30 m³ per hr, but installation and shifting time required is minimum possible. Keeping most of the features of premium size plants like drive through design for transit mixer loading, belt weighing for aggregates, independent cement and water weighing systems, PLC and SCADA based control system, etc. the new models are equipped with 0.35 m³ and 0.375 m³ compacted output batch size for optimum usage of the equipment. Thanks to the compact design, these plants fit in smaller plot size. Similar to their big brothers in this range, these plants do not need any permanent foundations but only re-usable precast foundations for mixer structure and PCC for aggregate storage bins. The plants are provided with four compartments for the aggregate storage bins with a very low loading height. High precision load cells

and electronic weighing systems ensure batching accuracies.

The control cabin for these plants is placed on top of the mixer structure, providing the operator a close and easy view of the plant operations and a full view of all the activities like transit mixer movement, aggregate loading, concrete output from mixer, etc. and also minimizing dust nuisance. PLC and PC based control system is another highlight in this range. SCADA based system with all possible data analysis, remote assistance, data in excel format, consumption records, alarms and online help make this plant nothing less than the high end plants.

These plants are equipped with planetary mixers which is a unique feature in this range. Planetary mixers obviously ensure fast and homogeneous mixing in the shortest possible time with very low operating costs in this size.

Technical Specifications:

Plant Model	MP 21	MP 24
Type of Mixer	Planetary	Planetary
Capacity of mixer	525 Ltrs.	565 Ltrs.
Compacted output per batch	350 Ltrs.	375 Ltrs.
No. of Aggregates	max. 4 nos.	max. 4 nos
Storage Capacity of Aggregates	18 m ³	18 m ³
No. of Cement / Fly Ash	max. 2 nos.	max. 2 nos.
No. of Water	max. 1 no.	max. 1 no.
No. of Additives	max. 2 nos.	max. 2 nos.
Aggregate loading in Mixer	Skip hoist	Skip Hoist
Connected Load*	32 kW	37 kW

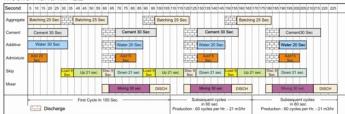


Planetary Mixer

Highlights:

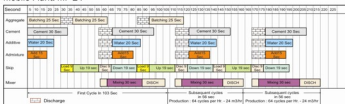
- Mounted on re-usable pre-cast foundations that can be easily shifted to other sites.
- Direct discharge in to transit mixer with drive-through arrangement and compact design for installation in small areas.
- PC- PLC based control system.
- Planetary mixer for homogeneous and economical mixing.
- Low power requirement.

Mobile Plant: MP 21



*NOTE: Production capacity based on 0.35 m³ cycles of standard concrete with 4 aggregates, 1 cement, 1 water, 1 admixture; slump 7-13 cms.

Mobile Plant: MP 24



*NOTE: Production capacity based on 0.375 m³ cycles of standard concrete with 4 aggregates, 1 cement, 1 water, 1 admixture; slump 7-13 cms.

Performance of equipment is based on standard working conditions. Design / Specifications can be changed without prior notice.



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