

TECHNICAL SPECIFICATION

STATIONARY CONCRETE BATCHING PLANT

ASCB-30 CAPACITY 30 m³/hr.

FOUR BIN FEEDER:

All the feeder bins have pneumatic operated gates.
All the four bins combined have a storage capacity of 7.5 m³.
The gates are radial type for coarse/ fine discharge.
Sand bin is also provided with discharge.

GATHERING CONVEYOR:

Aggregates are discharged into Gathering Conveyor which is suspended on 6 load cells. As soon as the desired recipe accumulates, gathering conveyor discharges the mix on to the slinger conveyor.
Gathering conveyor and slinger conveyor are provided with idler rollers and return rollers.

WEIGHING SYSTEM:

Weighing hopper is mounted on 3 load cells with butterfly valve for discharge. Cement weighing hopper capacity 500 kg is provided with pneumatic vibrator and two inlets for two screw conveyors (WAM-Italy)
Water tank supported on load cells and it has gate with rubber gasket at the bottom.
Additives comprise of admixture flask of capacity 10 liters with feeding pump.
Cement is fed from SILO to the cement weighing hopper.

RETENTION HOPPER:

Temporary storage hopper is provided with vibrator and it is utilized for holding the batch of 4 aggregates before feeding into the mixture.

PAN TYPE MIXTURE:

Pan type concrete mixtures manufactured by ATLAS ensure proper mixing and maximum output. Pan Type Mixture comes in capacity of 1 m³ and is fixed on the basic structure of the plant. Mixer having 7 arms and shell is reinforced with replaceable high wear resistance NI hard liners. The aggregates, cement, water and additives are discharged to the Pan Mixer. Only after proper and homogenous mixing the batch is ready to be discharged by the hydraulic system.

COMPUTERIZED PANEL WITH DIGITAL DISPLAY:

Fully computerized cabin with SCADA based controller are a standard on ATLAS plant. Software which is very user friendly ensures top notch performance.
Proxy switches for each control panel.
Display of the entire process of control parameters.
Provision for printing entire data like-Mix Proportion, Batch Weigh, Total No. of Batches, Sub Total, Gross Total, etc.
Preset batch controls the number of batches for Transit Mixer.
Provision to store, edit production details, and mix proportions up to 99 recipes.
Auto and manual control.

CONTROL CABIN:

Cabin is fabricated with M. S. Structured frame and insulated by wood. Strategic location of seat ensures complete view of the plant.

POWER REQUIREMENT:

STATIONARY BATCHING PLANT – ASCB SERIES		
SR. NO.	DESCRIPTION	30 m ³ / hr.
1	Sand Hopper Vibrator	0.5 HP
2	Gathering / Weighing Conveyor Belt Drive	12.5 HP
3	Slinger Conveyor Belt Drive	12.5 HP
4	Pan Type Mixer	30.0 HP
5	Cement Screw Conveyor 1 Nos.	10.0 HP
6	Water Pump	03.0 HP
7	Air Compressor	10.0 HP
8	Hydraulic Power Pack	02.0 HP
	TOTAL	85.5 HP

Due to continuous product development, specifications are subject to change without notice.