



# AKONA ENGINEERING PVT. LTD.

AN ISO - 9001 : 2015 & CE CERTIFIED COMPANY

*Quality is the  
Best business plan*



AN ISO - 9001:2015 CERTIFIED CO.



CE CERTIFIED CO.

*We can't spell  
Success Without U...*

# Company Profile

We would like to introduce ourselves as a leading Construction Equipments Manufacturer Company since 1991. was established by our Founder Mr. R. B. Rathore (Managing Director). The Company is devoted and engaged in manufacturing of all types/capacities of Concrete Batching & Mixing Plants, Hot Mix Plants, WMM Plants & other construction equipments. We proudly announce that we are the only manufacturer, who deals in all types of mixers i.e. Twin Shaft Mixer, Planetary Mixer, Pan Mixer and Reversible Drum Mixer. Our qualified & well trained engineers are capable to manufacture the equipments, plants as per customers specifications/requirements. For more details please visit our office, manufacturing unit or our website. [www.akonaindia.com](http://www.akonaindia.com)

Thanks with Regards  
Anand Rathore  
(Director)

We Can't Concrete The  
**World** Without You...

## Certification





# MIXER UNIT



**TWIN SHAFT MIXER**



**PLANETARY MIXER**



**PAN MIXER**



**REVERSIBLE DRUM MIXER**



## Imported Twin Shaft Mixer

### FULLY AUTOMATIC READY MIX CONCRETE BATCHING & MIXING PLANT - TWIN SHAFT MIXER

ATS-Series is a revolutionary designed model in which we have used the design concept of high capacity plants. The belt Conveying system saves the time, reduces the maintenance and increases the output. This plant is suitable for RMC setup.

### Technical Features >

- Twin Shaft Mixing technology.
- Imported Twin Shaft mixer.
- Hydraulic discharge system for twin shaft mixer.
- PLC operated completely automatic control panel with SCADA Software.
- Control cabin.
- Separate weighing system for cement and fly-ash.
- Pneumatically operated gate for aggregate & sand.
- Vibrators for easy discharge.
- Screw feeder to pour cement speedily.
- Water and ad-mix pour by weight.
- Electronic weighing system for better accuracy in design-mix.
- Cement silo with Accessories (optional).
- Password locking facility to lock the plant.
- Tabulated print out port for each batch report.
- No pit required only nominal civil work.



## Technical Data

### Infrastructure Project, Dam Project & Airports Projects

MODEL	ATS -120	ATS -160	ATS -240
Hourly Output	120 M <sup>3</sup> /Hour	160 M <sup>3</sup> /Hour	240 M <sup>3</sup> /Hour
Cycle Time of mixer	90 Second	90 Second	90 Second
Loading Capacity	4500 Ltr	6000 Ltr	9000 Ltr
Output Per Cycle	3000 Ltr	4000 Ltr	6000 Ltr
Power of mixing motors	2 X 55 KW	2 X75 KW	4 X 55 KW
Voltage supply with triangular connection	380 VAC, 3PH, 50 Hz	380 VAC, 3PH, 50 Hz	380 VAC, 3PH, 50 Hz
Angle Reduction Gear Units	2	2	2
Mixing Blades	14 (600 HB)	18 (600 HB)	32 (600 HB)
Scrapping Blades	4 (600 HB)	4 (600 HB)	4 (600 HB)
Mixing Arm	18	22	24
Lining hardness	500 HB	500 HB	500 HB
Cycle / Hour	40	40	40
ELECTRONIC WEIGHING RANGE WITH LOADCELL			
Aggregate Scale	7500 Kg	10000 Kg	15000 Kg
Cement Scale	1800 Kg	2400 Kg	3500 Kg
Water Scale	750 Ltr	1000 Ltr	1500 Ltr
Ad-mix Scale	25 kg	32 kg	42 kg
Aggregate Storage Bin feeder	18 M <sup>3</sup> x 4 Nos.	22 M <sup>3</sup> x 4 Nos.	28 M <sup>3</sup> x 4 Nos.
Max Aggregate Size	160 mm	160 mm	160 mm
No. of bins / gates per bin	4/2	4/2	4/2
Weighing Conveyor	Yes	Yes	Yes
POWER CONSUMPTION		HP	
Twin Shaft Mixer	2 x 75	2 x100	4 x 75
Hydraulic Motor	1 x 2	1 x 2	1 x 3
Gathering Conveyor	2 x 15	2 x 20	2 x 25
Slinger conveyor	2 x 20	2 x 25	2 x 30
Screw Conveyor for cement	1 x 20	1 x 25	2 x 20
Screw Conveyor for Fly ash	1 x 20	1 x 25	2 x 20
Water Pump	1 x 10	1 x 10	1 x 10
Air Compressor	1 x 10	1 x 10	1 x 15
AD-mixer	1 x 3	1 x 3	1 x 3
Sand Vibrator	2 X 1	2 X 1	2 X 1
Lubrication Motor	1 x 1	1 x 1	1 x 1
Air Condition	1 x 5	1 x 5	1 x 5
Waiting Hoper Motor	1 x 3	1 x 3	1 x 5 HP
<b>Total Power Consumption</b>	<b>296 HP</b>	<b>376 HP</b>	<b>534 HP</b>
Recommended DG Set	365 KVA	500 KVA	650 KVA

## FULLY AUTOMATIC READY MIX CONCRETE BATCHING & MIXING PLANT - TWIN SHAFT MIXER

ATS-Series is a revolutionary designed model, in which we have used the design concept of high capacity plants. The belt Conveying system saves the time, reduces the maintenance and increases the output. Well known Twin shaft mixing technology provides optimum output along with the belt conveying system...

### Technical Features >

- Twin Shaft Mixing technology.
- Imported Twin Shaft mixer.
- Hydraulic discharge system for twin shaft mixer.
- PLC operated completely automatic control panel with SCADA Software.
- Control cabin.
- Separate weighing system for cement and fly-ash.
- Pneumatically operated gate for aggregate & sand.
- Vibrators for easy discharge.
- Screw feeder to pour cement speedily.
- Water and ad-mix pour by weight.
- Electronic weighing system for better accuracy in design-mix.
- Cement silo with vertical screw feeder (optional).
- Password locking facility to lock the plant.
- Tabulated print out port for each batch report.
- No pit required only nominal civil work.

### COMPLETE VIEW OF PLANT





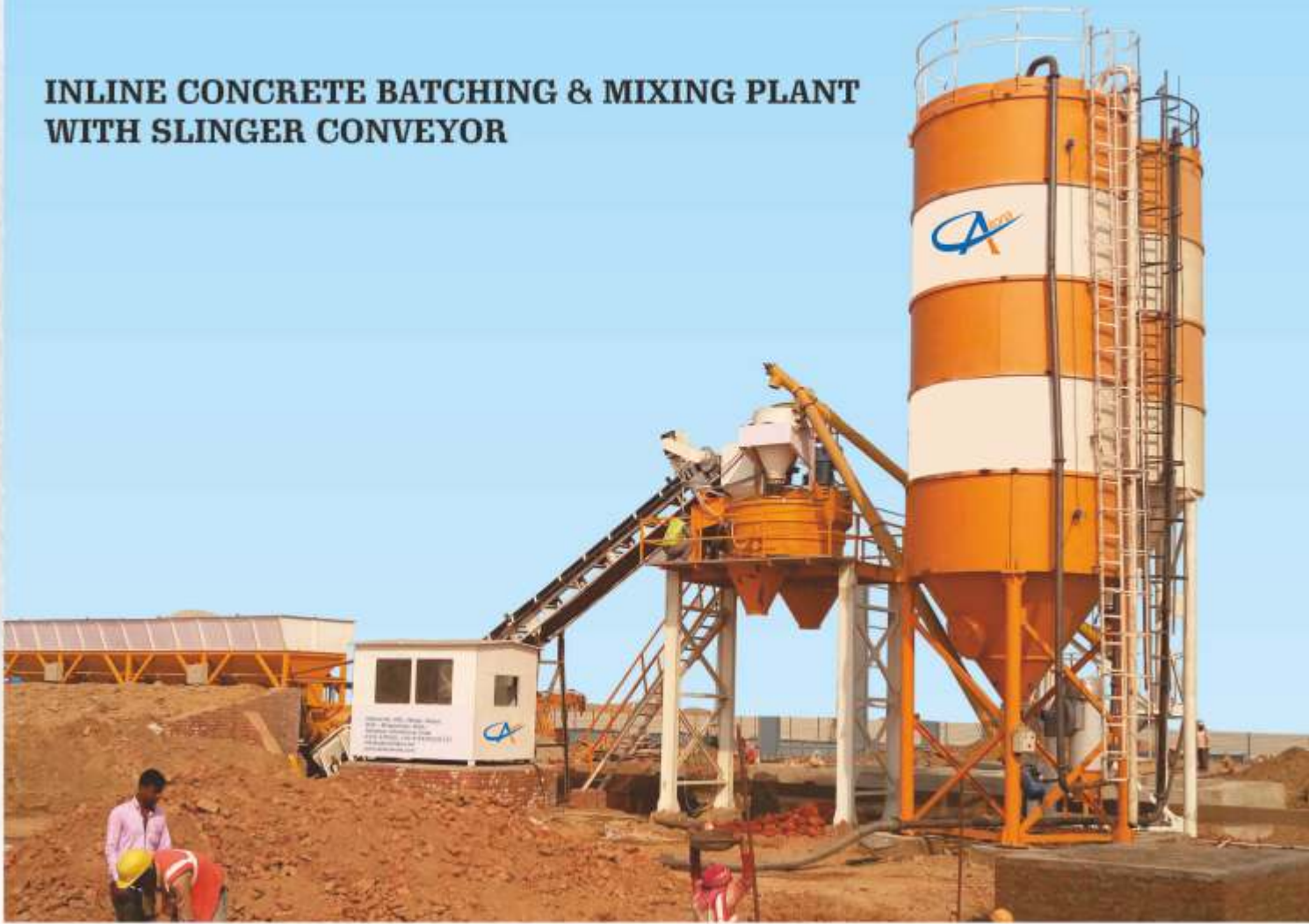
## Technical Data

MODEL	ATS - 60	ATS - 75	ATS - 90
Hourly Output	60 M <sup>3</sup> / Hour	75 M <sup>3</sup> /Hr	90 M <sup>3</sup> /hour
Cycle Time of mixer	60 Seconds	60 Second	80 Second
Loading Capacity	1500 Ltr.	1875Ltr	3000 Ltr
Output Per Cycle	1000 Ltr.	1250Ltr	2000Ltr.
Power of mixing motors	37 KW	1 x 22KW	2 x 37 KW
Voltage supply with triangular connection	380 VAC, 3 PH, 50 Hz	380VAC, 3 ph, 50Hz	380 VAC, 3PH, 50 Hz
Angle Reduction Gear Units	2	2	2
Mixing Blades	8 ( 600 HB)	8 (600 HB)	14 (600 HB)
Scrapping Blades	4 ( 600 HB)	4 (600 HB)	4 (600 HB)
Mixing Arm	12	12	18
Lining hardness	500 HB	500HB	500 HB
Cycle / Hour	60	60	45
<b>ELECTRONIC WEIGHING RANGE WITH LOADCELL</b>			
Aggregate Scale	3000 kg	3500 Kg.	5000 kg
Cement Scale	600 kg	750 Kg.	1200 kg
Water Scale	300 Ltr	350 kg.	500 Ltr
Ad-mix Scale	8 kg	10 kg.	16 kg
Aggregate Storage Bin feeder	12 M <sup>3</sup> x 4 Nos.	13 M <sup>3</sup> x 4 Nos.	15 M <sup>3</sup> x 4 Nos.
Max Aggregate Size	80 mm	125 mm	150 mm
No. of bins / gates per bin	4/2	4/2	4/2
Weighing Conveyor	Yes	Yes	Yes
<b>POWER CONSUMPTION</b>		<b>HP</b>	
Twin Shaft Mixer	1 x 50	2X30	2 x 50
Hydraulic Motor	1 X 2	1 x 2	1 x 2
Gathering Conveyor	1 X 15	1 x 20	2 x 15
Slinger conveyor	1 X 15	1 x 20	2 x 15
Screw Conveyor for cement	1 X 15	1 x 15	1x 20
Screw Conveyor for Fly ash	1 X 15	1 x 15	1 x 20
Water Pump	1 X 5	1 x 5	1 x7.5
Air Compressor	1 X 5	1 x 5	1 x 7.5
AD-mixer	1 X 2	1 x 2	1 x 2
Sand Vibrator	2 x 1	2 x 1	2 x 1
Lubrication Motor	1 X 1	1 x 1	1 x 1
Air Condition	1 X 5	1 x 5	1 x 5
<b>Total Power Consumption</b>	<b>132</b>	<b>152</b>	<b>227</b>
Recommended DG Set	160KVA	180KVA	275KVA





**INLINE CONCRETE BATCHING & MIXING PLANT  
WITH SLINGER CONVEYOR**



**INLINE CONCRETE BATCHING  
& MIXING PLANT WITH SKIP**





## AKONA -INLINE SERIES CONCRETE BATCHING & MIXING PLANT - PAN MIXER / PLANETARY MIXER

Storage Bin Feeder Minimize the time to feed material & ease of maintenance. This is very popular design in foreign countries. We are introducing this machinery in the following ranges:

### Technical Features >

- Hydraulic discharge system.
- Blade mixing technology with planetary gear-boxes.
- PLC operated completely automatic control panel.
- Control cabin.
- Electronic weighing system for better accuracy in design- mix.
- Separate weighing system for cement and fly-ash.
- Pneumatically operated gate for aggregate & sand.
- Vibrators for easy discharge.
- Separate Weighing on Belt Conveyor .
- Screw feeder to pour cement speedily.
- Cement silo with Accessories (Optional).
- Water and ad-mix pour by weight.
- Password locking facility to lock the plant.
- Tabulated print out port for each batch report.
- No pit required, only nominal civil work.
- Pen drive support available

### Technical Data

MODEL	IAP - 45	IAP - 30
Capacity (M <sup>3</sup> /Hr.)	45	30
Geo Volume (M <sup>3</sup> )	2.5	1.7
Out Put Per Batch	0.75 M <sup>3</sup>	0.5 M <sup>3</sup>
Batches Per Hours	60	60
Discharge Height From Ground Level	Discharge in T.M.	Discharge in T.M.
Capacity (8 Hours)	360 M <sup>3</sup>	240 M <sup>3</sup>
Storage Bin Feeder	4 Nos	3-Nos.
Discharge Gate Opening System	Hydraulic	Hydraulic
Aggregate Storage Bin Capacity	9 M <sup>3</sup> x 4Nos.	9 M <sup>3</sup> x 3 Nos.
POWER CONSUMPTION		HP
Pan Motor	40	30
Slinger Conveyor Motor	15	15
Screw Conveyor for Cement	15	15
Bin Feeder Motor	15	10
Water Pump	3	3
Compressor Motor	5	3
Chemical Motor	2	1
Vibrator's	2 x 0.5	2 x 0.5
Mixer Discharge Gate	3	2
<b>Net Consumption</b>	<b>99</b>	<b>80</b>
Recommended D. G. set.	125 KVA	100 KVA
Power Supply	415 x 3 Ø x 50 Hz	415 x 3 Ø x 50 Hz



## AKONA AP-SERIES CONCRETE BATCHING & MIXING PLANT - PAN MIXER

AP Series is dedicated to concrete batching and mixing plant with Pan Mixer. This is the economical series having the benefits of Pan-Mixing Technology, Low-Pollution, Fast mix and low noise are the basic features - that makes it special. This plant is available in AP-30 with Output 30M<sup>3</sup>/Hr.

### Technical Features >

- Mixing technology with planetary gear box / Pan Mixer/ Reversible Drum
- PLC operated completely automatic control panel.
- Control cabin.
- Electronic weighing system for better accuracy in design-mix.
- Separate weighing system for cement and fly-ash.
- Pneumatically operated gate for aggregate & sand.
- Vibrators for easy discharge.
- Boom Scrapper to make you work easier.
- Hydraulic discharge system.
- Cement silo with Accessories (optional).
- Water and ad-mix pour by weight.
- Password locking facility to lock the plant.
- Tabulated print out port for each batch report.
- No pit required, only nominal civil work.
- Pen drive support available.





## AKONA RD-SERIES CONCRETE BATCHING & MIXING PLANT - REVERSIBLE DRUM MIXER

The RD Series models are designed to meet practical requirements and provide more flexibility for working. Fully automatic concrete batching and Mixing Plants are available in following two models RD-30 with 30M<sup>3</sup>/Hr, RD-20 with 20M<sup>3</sup>/Hr. RD Series has separate digital weight display for all constituents.

### Technical Data

Model	RD - 30	RD - 20	AP - 30
Capacity	30 M <sup>3</sup> / HOUR	20 M <sup>3</sup> / HOUR	30 M <sup>3</sup> / HOUR
Geometrical Volume	2.25 M <sup>3</sup>	1.75 M <sup>3</sup>	1.7M <sup>3</sup>
Out Put / batch	0.75 M <sup>3</sup>	0.5 M <sup>3</sup>	0.5 M <sup>3</sup>
Batches / Hour	40	40	60
Discharge Height From G.I.	Discharge in Transit Mixer	Discharge in Concrete Pump	Discharge in Transit Mixer
Capacity (8 Hours )	240 M <sup>3</sup>	160 M <sup>3</sup>	240 M <sup>3</sup>
Boom Scraper	In-Built	In-Built	In-Built
POWER CONSUMPTION		HP	
Pan / Drum Motor	15	10	30
Gathering Conveyor Motor	10	10	10
Screw Conveyor for Cement	15	15	15
Boom Scraper Motor	10	10	10
Water Pump	3	2	3
Air Compressor Motor	3	3	3
Chemical Motor	1	1	1
Vibrator's	2 x 0.5	2 x 0.5	2 X 0.5
Mixer Discharge Gate Motor	-	-	3
<b>Total Power Consumption</b>	<b>58</b>	<b>52</b>	<b>76</b>
Recommended D.G. Set.	72 KVA	72 KVA	100 KVA
Power Supply	415 x 3 Ø x 50 Hz	415 x 3 Ø x 50 Hz	415 x 3 Ø x 50 Hz



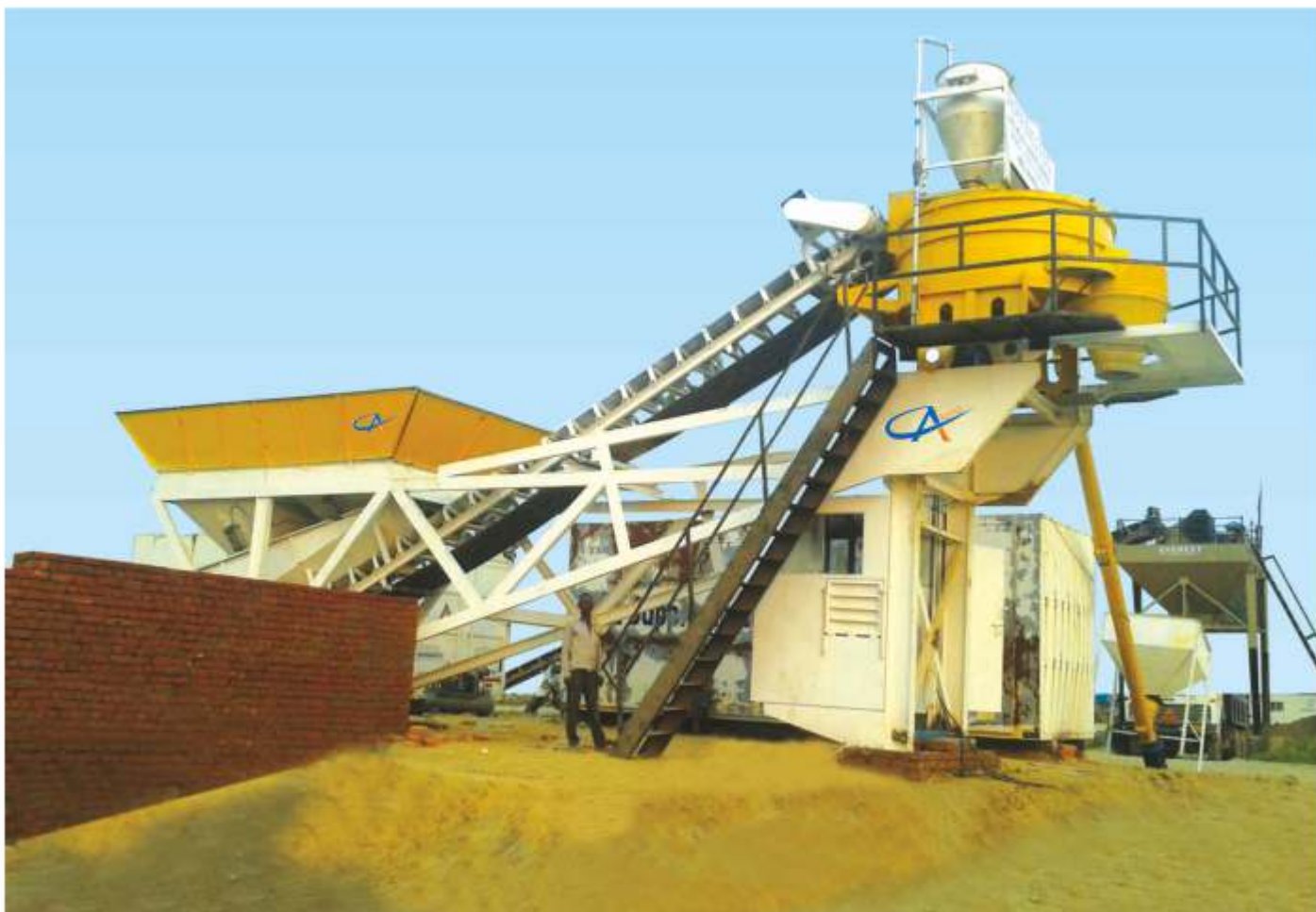
## FULLY AUTOMATIC READY MIX CONCRETE BATCHING & PLANT- TWIN SHAFT MIXER / PAN MIXER

AHT / AHP Series is dedicated to concrete batching and mixing plant. This is the economical series having the benefits of Twin Shaft Mixing and Pan mix Technology with Low-Pollution, Fast Mix and Low Noise are the basic features that makes it special. These plant, are available in model AHT - 30 cum/Hr. & AHP - 20/30 cum/hr out put

### Technical Features >

- Twin Shaft / Pan Mixing Technology .
- Hydraulic discharge system.
- PLC operated completely automatic control panel.
- Control cabin.
- Electronic weighing system for better accuracy in design-mix.
- Pneumatically operated gate for aggregate & sand.
- Vibrators for easy discharge.
- Separate weighing system for cement and fly-ash.
- Screw feeder, to pour cement speedily.
- Water and ad-mix pour by weight.
- Password locking facility to lock the plant.
- Tabulated print out port for each batch report.
- No pit required only nominal civil work.
- Pen drive support available.





## Technical Data

Model	AHP - 20	AHP - 30	AHT - 30
Mixer	Pan Mixer	Pan Mixer	Twin Shaft Mixer
Capacity	20 M <sup>3</sup> /hour	30 M <sup>3</sup> /hour	30 M <sup>3</sup> /hour
Geo. Volume (M <sup>3</sup> )	1	1.7	1.5
Output / Batch	0.35 M <sup>3</sup>	0.5 M <sup>3</sup>	0.5 M <sup>3</sup>
Cycles / hour	60	60	60
Discharge Height	Discharge in TM	Discharge in TM	Discharge in TM
Capacity 8 Hours	160 M <sup>3</sup>	240 M <sup>3</sup>	240 M <sup>3</sup>
No. of Compartment	2/4	2/4	2/4
Discharge opening gate system	Hydraulic	Hydraulic	Hydraulic
<b>POWER CONSUMPTION</b>		<b>HP</b>	
Mixer Motor	20	25	20
Gathering Conveyor Motor	10	15	15
Screw Motor	15	15	15
Water Pump	2	3	3
Compressor Motor	3	3	3
Chemical Motor	1	1	1
Vibrator	1	1	1
Power Pack Motor	2	3	2
<b>Net Consumption</b>	<b>54</b>	<b>66</b>	<b>60</b>
Recommended DG Set	72 KVA	82 KVA	82 KVA



## FULLY AUTOMATIC READY MIX CONCRETE BATCHING & MIXING PLANT- TWIN SHAFT MIXER / PAN MIXER (MTS -SERIES)

MTS series is design for single chassis structure, compact and fully automatic plant. This machine has four separate weighing system simultaneously. This model has been preferred due to ease of installation and easily shifting of machine from one site to another.

### Technical Features >

- Twin shaft mixer system
- PLC operated completely automatic control panel.
- Electronic weighing system for better accuracy in design- mix.
- Separate weighing system for cement
- Screw feeder to pour cement speedily.
- Password locking facility.
- Water and ad-mix pour by weight.
- Separate Weighting Belt Conveyor.
- Pneumatically operated gate for aggregate & sand.
- vibrators.
- Tabulated print out system for each batch.
- No pit required, only nominal civil work.
- Control cabin.
- Cement silo with accessories (Optional).
- Pen drive support available

### Technical Data

MODEL	MTS 30
Capacity ( M <sup>3</sup> /hr.)	30
Geo Volume (M <sup>3</sup> )	1.5 M <sup>3</sup>
RMC Out put per batch	0.5 M <sup>3</sup>
Cycles/hour	60
Discharge height	Discharge in Pump
Capacity (8 Hour)	240 M <sup>3</sup>
Discharge opening gate system	Hydraulic
POWER CONSUMPTION	HP
Mixer Motor	20
Gathering Conveyor Motor	10
Screw Motor	15
Water Pump	3
Compressor Motor	3
Chemical Motor	1
Vibrator	0.5
Power Pack Motor	2
<b>Total Power Consumption</b>	<b>54.5</b>
Power Supply	415 x 3 Φ x 50 Hz
Recommended DG set	62 KVA





## FULLY AUTOMATIC MOBILE READY MIX CONCRETE BATCHING & MIXING PLANT (AH-SERIES)

AH series is design for single chassis structure, compact and fully automatic plant. This machine has four separate weighing system simultaneously. This model has been preferred due to ease of installation and easily shifting of machine from one site to another.

### Technical Features >

- Reversible drum mixer system
- PLC operated completely automatic control panel.
- Electronic weighing system for better accuracy in design-mix.
- Separate weighing system for cement and fly-ash.
- Screw feeder to pour cement speedily.
- Password locking facility.
- Water and ad-mix pour by weight.
- Separate Weighting on Belt Conveyor.
- Pneumatically operated gate for aggregate & sand.
- Vibrators.
- Tabulated print out port for each batch report.
- No pit required, only nominal civil work.
- Control cabin.
- Cement silo with vertical screw feeder (Optional).
- Pen drive support available

### Technical Data

Model	AH-20	AH-30
Capacity ( M <sup>3</sup> /hr.)	20	30
Geometrical Volume	1.75 M <sup>3</sup>	2.25 M <sup>3</sup>
Out Put / batch	0.5 M3	0.75 M <sup>3</sup>
Batches / Hour	40	40
Discharge Height From G.L.	Discharge in Pump	Discharge in PUMP
Capacity (8 Hours )	160 M <sup>3</sup>	240 M <sup>3</sup>
Storage Bin Feeder	2+2 Nos.	3+1 Nos.
POWER CONSUMPTION		
Drum Motor	10 HP	15 HP
Belt Conveyor Motor	7.5 HP	10 HP
Cement Screw Feeder Motor	10 HP	10 HP
Water Pump	2 HP	3 HP
Compressor Motor	3 HP	3 HP
Chemical Motor	1 HP	1 HP
Vibrator's	0.5 HP	0.5 HP
<b>Net Consumption</b>	<b>34 HP</b>	<b>42.5HP</b>
Recommended Dg Set	40 KVA	50 KVA
Power Supply	415 x 3 ∅ 50Hz	415 x 3 ∅ 50Hz



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