

# RMX 120

PRODUCT INFORMATION



**PORTABLE,**  
**DURABLE,**  
**RELIABLE.**

RELIABLE  
**MIX**  
CONCRETE EQUIPMENT

Axiom

# OVERVIEW



**The RMX 120 is a fast moving, portable concrete batch plant. These highly portable plants can be set up in less than 30 minutes and hauled without special permits. Their design also allows them to be accessed by mixers in 180 degrees so it can be conveniently reached regardless of the job site conditions.**

**The RMX 120 reduces the number of transit mixers required to service a job by moving a portable plant closer to the job-site. Fewer trucks mean lower capital costs, less maintenance, lower fuel costs, and less chance of rejected loads.**

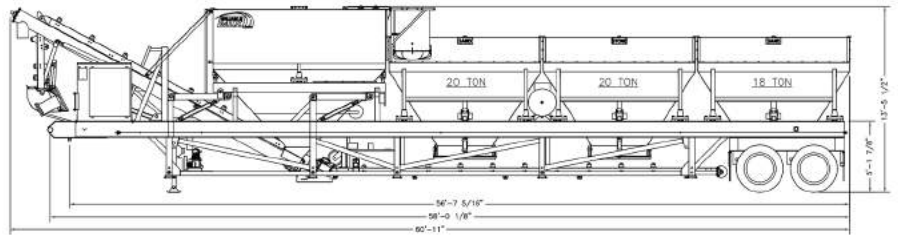


# Specifications

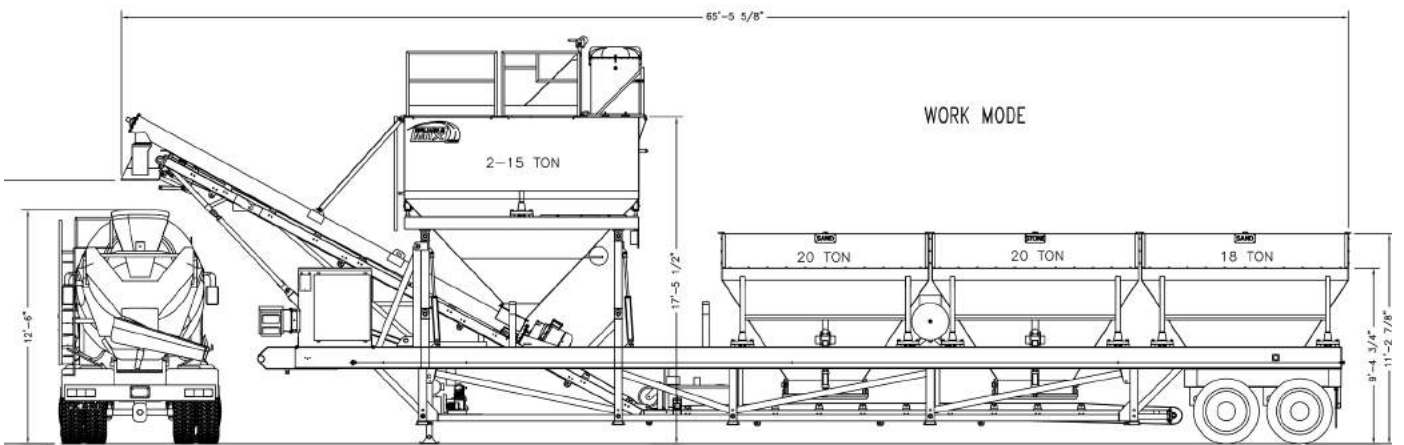
<b>Aggregate Bins</b>	Three
<b>Storage per Bin</b>	20 Ton / 18 Tonne
<b>Cement Silos</b>	Single / Twin
<b>Storage per Silo</b>	30 Ton / 27 Tonne
<b>Main Conveyor Size</b>	26 inch
<b>Conveyor Drive HP</b>	10 HP
<b>Belt Type</b>	Cleated
<b>Cement Augers</b>	2 x 10 inch
<b>Cement Augers Drive</b>	15 HP
<b>Water Pump Size</b>	3 inch
<b>Water Meter Size</b>	3 inch
<b>Dust Collection</b>	Yes
<b>Number of Axles</b>	Tandem

<b>Production</b>	<b>Length</b>	<b>Width</b>	<b>Working Height</b>	<b>Transport Height</b>
150 yds / 115 m3 / hr	58 ft	8' 6"	22'	13' 6"

### Travel Mode:



### Work Mode:





# Single Silo

The RMX 120 comes standard with a single 30 ton / 27 tonne silo. This model is most effective when used in operations where one type of cement powder is being used. This model's large capacity silo allows it to be loaded once then left to complete its batching process when an automated system is being used.

Number of Silos	Storage per Silo	Number of Shear Beam Load Cells	Number of Dust Collectors
1	30 ton / 27 tonne	4	1



# Dual Silo

The RMX 120 is also available in a dual silo design. This model is ideal for operations where two different types of cement powders are being used such as in fly ash operations. The dual silo design also allows for more continuous loading as one silo can be loaded while the other is weighed for batching.

Number of Silos	Storage per Silo	Number of Shear Beam Load Cells	Number of Dust Collectors
2	15 ton/14 tonne	6	2



# Components

## **Delivery Conveyor:**

- Chevron, 26" wide belting
- Rollers and idlers
- 10" diameter tail pulley (adjustable for tensioning)
- 12" diameter head pulley
- Electric 10 HP motor with gear box

## **Control Box:**

- NEMA 4 rated enclosure
- 3" water metering controller
- Emergency stop panic button, with perimeter safety shutoff
- Three channel scale readout
- Manual cement control

## **Air Compressor System:**

- Capacity: 80 gallon with air dryer
- 7.5 HP motor
- Pneumatic lines to aerator for cement silo
- Air dryer

## **Chassis:**

- Tandem axle
- Tires: 255/70R x 22.5
- Air brakes / maxi pots
- D.O.T. standard lighting

## **Aggregate Bin:**

- Capacity: 20 ton / 18 tonne each
- Four shear beam load cells
- Clam gate
- Bin Vibrator

## **Sand Bin:**

- Capacity: 20 ton / 18 tonne each
- Four shear beam load cells
- Clam gate
- Bin vibrator

## **Cement Silo**

- Capacity: 30 ton / 27 tonne
- Center fill hatch with cover, 12" opening
- 4" blow in fill line
- Man-hatch, 36" diameter
- Top access ladder, handrails optional
- Two 10" augers with 15 HP drives

## **Dust Control System:**

- Top mounted on silo
- Cement dust suppression filter
- Automatic pulsating air
- Flip over mounting bracket with winch

# Batch Plant Model Comparison

Model	RMX 100	RMX 100 Twin Silo	SLS 100	RMX 120
Hourly Production	100 yds / 76m <sup>3</sup>	100 yds / 76m <sup>3</sup>	100 yds / 76m <sup>3</sup>	150 yds / 115m <sup>3</sup>
Number of Aggregate Bins	Two	Two	Two	Three
Aggregate Storage	20 Ton / 18 Tonne	20 Ton / 18 Tonne	20 Ton / 18 Tonne	20 Ton / 18 Tonne
Number of Cement Silos	One	Two	One	Two
Cement Storage per Silo	30 ton / 27 Tonne	15 ton / 14 Tonne	40 ton / 36 tonne	15 Ton / 14 Tonne
Main Conveyor	26 inch	26 inch	26 inch	26 inch
Cement Augers	Two x 10 inch	Two x 10 inch	Two x 10 inch	Two x 10 inch
Cement Auger	15 HP	15 HP	15 HP	15 HP
Water Pump Size	2 inch	2 inch	2 inch	3 Inch
Water Meter Size	2 inch	2 inch	2 inch	3 Inch
Portability	Portable	Portable	Portable	Portable
Number of Axles	Single	Single	Skid Length 40'	Tandem Axle
Length	48 ft (14.6m)	48 ft (14.6m)	59 ft (18m)	58 ft (17.7m)
Width	8 ft 6 in (2.59m)	8 ft 6 in (2.59m)	10 ft (3.05m)	8 ft 6 in (2.59m)
Transport Height	13 ft 6 in (4.1m)	13 ft 6 in (4.1m)	13 ft 4 in (4.06m)	13 ft 6 in (4.1m)
Working Height	22 ft (6.7m)	22 ft (6.7m)	17 ft 11 in (5.5m)	22 ft (6.7m)
Pin Weight	19,290 lbs (8,750 kg)	19,290 lbs (8,750 kg)	N/A	
Axle Weight	18,739 lbs (8,500kg)	18,739 lbs (8,500kg)	N/A	20,000 lbs (9,072 kg)
Gross Weight	38,030 lbs (17,255 kg)	38,030 lbs (17,255 kg)	N/A	50,100 lbs (22,727 kg)



## Contact Us

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Reliable Mix Concrete  
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Reliable Mix



Axiom Industrial  
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