

# REXCON MOBILE 12 SE **PORTABLE CONCRETE PLANT**









# RexCon Mobile 12 Self-Erecting Portable Concrete Plant

The RexCon Mobile 12 SE offers the highest standard in quality, design and durability in the industry. The Mobile 12 SE is constantly updated to improve its performance and stay ahead of industry changes. This versatile plant can be custom engineered to meet your individual specifications. Both transit and central mix configurations are available.



# MOBILE 12 SELF-ERECTING CENTRAL MIX CONCRETE BATCH PLANT

With a reputation for high production and mixing efficiency, RexCon Central Mix Concrete Batch Plants are ideal as portable paving plants for major infrastructure projects or for portable ready mix production. When high production and portability are critical, you can trust that the Mobile 12 SE-CM will get the job done. With its self-supporting sub-frame and superior self-erect hydraulic system, this plant features fast setup times. Low profile mobility, reliability, and high performance make the Mobile 12 SE-CM the plant to own.



## MOBILE 12 SE-CM SPECIFICATIONS:

- **Aggregate Section:** 12 cubic yard batcher with 66 ton, four compartment fold-up aggregate bin with quick pin connections on exterior of bin and slide-in/ bolted divider walls.
- **Batch Belt Conveyor:** 48" wide, 3-ply belt with vulcanized splice and 50 HP drive. Belt operates at 680 FPM.
- **Cement Section:** Two each 150 bbl (28 ton) compartments with 5" fill pipes and long lasting low wear elbows. Two 12" dia. screws powered by 50 HP direct drives. Includes sealed inspection hatch with high and low bin signals.
- **Accumulative Batchers:** Compression load cells and telescoping calibration arms.
- **Tilt Mixer:** 12 yard portable tilt mixer with self-erect hydraulic system.
- **High Pressure Air System:** 20 HP air compressor with 120 gallon tank. All batcher gates are controlled by double acting sub-base mounted solenoids.
- **Low Pressure Air System:** 4.6 HP regenerative type blower with individually adjustable bin flow pads.
- **Water System:** 3" mag meter, 3" mag temper meter and 15 HP water pump case.
- **Transportation Gear:** King pin, spring suspension, triple axles, radial tires, brakes and signal lights.
- **Power Panel:** NEMA dust tight steel enclosure with single lockable main disconnect switch. Across the line starters are provided for all factory installed motors. All wiring is plug and cord.
- **Hydraulic Self Erect System:** Includes a 13 HP power pack with 80 gallon reservoir, four transport-friendly landing leg corner cylinders, two main bin cylinders, two mixer charge chute cylinders, and two mainframe support section cylinders. The landing legs are controlled by individual manual valves. Bin, charge chute, and support cylinders are controlled by a pendant control.



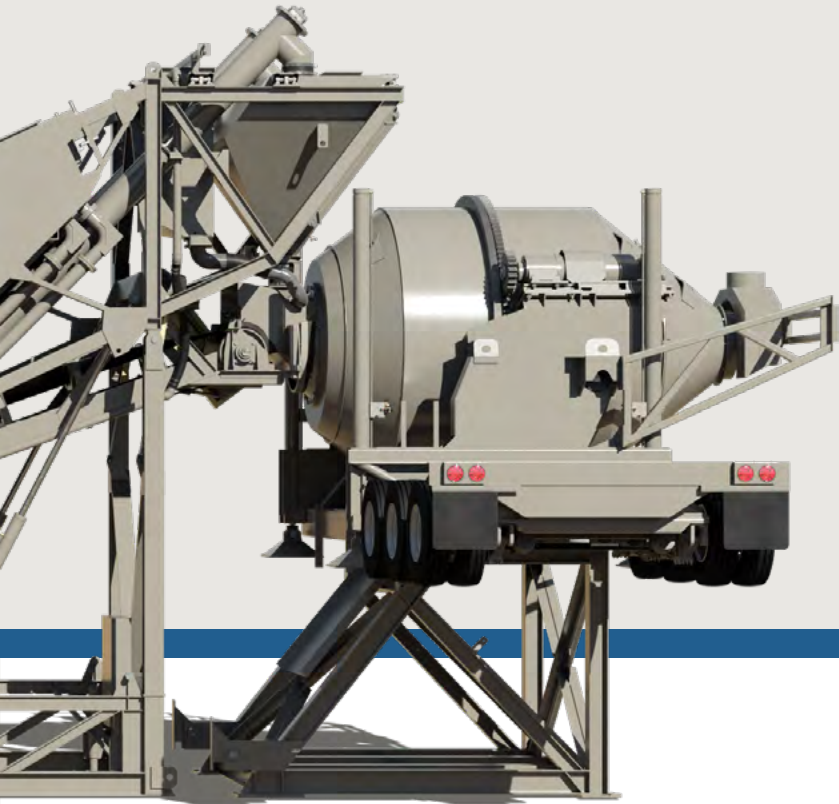


## MOBILE 12 SE-CM FEATURES:

- **Hydraulic plant and mixer erection:** Powered by a remote cable controlled hydraulic pack. The Mobile 12 SE-CM can be taken off a truck hitch and raised to operating position in minutes. No crane required for setup and tear-down of the base plant and mixer. The mixer charge chute is hydraulically adjustable.
- **Aggregate section:** Flexible design allows for up to four materials and an exterior pinned fold-down aggregate bin.
- **Cement section:** High speed screws with direct drive motors batch cement quickly. Integrated two compartment cement bin for added flexibility. Oversized cement batcher for high strength mixes.
- **Adaptable for numerous types of mixers** depending on your project requirements, including tilt, pan, planetary, or twin shaft mixers.
- **Batch belt:** 48" wide batch belt maximizes production rates.

## DIMENSIONS

<b>Operating:</b>	Length with Mixer	80' 6 1/8"
	Length without Mixer	73' 3/8"
	Total Height	27' 9 5/8"
	Aggregate Bin Height	17' 3 9/16"
<b>Travel:</b>	Plant Load Length	71' 4 1/4"
	Plant Load Height	14' 2 1/16"
	Mixer Load Length	39' 4 1/16"
	Mixer Load Height	13' 10"



## MOBILE 12 SE-CM OPTIONS:

- 600 bbl self erect auxiliary cement bin with on-board power panel, aeration, and hydraulic system.
- Portable material handling system with up to four stackable conveyors/hoppers or self-erect individual conveyors.
- 135 ton, three compartment portable aggregate bin or up to 200 Ton bin extensions.
- Two or three decumulative batchers for low profile aggregate ramp feeding.
- RexCon batch automation controls with 20' office control container.
- Central dust collector and/or individual dust collectors for cement bins and batcher and mixer pickup points.
- Central grease system.



# MOBILE 12 SELF-ERECTING TRANSIT MIX CONCRETE BATCH PLANT

The reliability and modular design of the RexCon Transit Mix Batch Plants keep maintenance and installation time to a minimum. With its self-supporting sub-frame and superior hydraulic system, the Mobile 12 SE-TM moves in and sets up quickly, provides lower mobilization costs without the need for costly foundations, and inherent future central mix expansion capability. Multiple material storage designs and high speed batching capabilities make the Mobile 12 SE-TM the most versatile and portable batch plant design on the market.



## MOBILE 12 SE-TM SPECIFICATIONS:

- **Aggregate Section:** 12 cubic yard batcher with 66 ton, Four compartment fold-up aggregate bin with quick pin connections on exterior of bin and slide-in/bolted divider walls.
- **Batch Belt Conveyor:** 48" wide, 3-ply belt with vulcanized splice and 50 HP drive. Belt operates at 680 FPM.
- **Cement Section:** Two each 150 bbl (28 ton) compartments with 5" fill pipes and long lasting low wear elbows. Two 12" dia. screws powered by 50 HP direct drives. Includes sealed inspection hatch with high and low bin signals.
- **Accumulative Batchers:** Compression load cells and telescoping calibration arms.
- **High Pressure Air System:** 20 HP air compressor with 120 gallon tank. All batcher gates are controlled by double acting sub-base mounted solenoids.
- **Low Pressure Air System:** 4.6 HP regenerative type blower with individually adjustable bin flow pads.
- **Water System:** 3" Mag meter
- **Transportation Gear:** King pin, spring suspension, triple axles, radial tires, brakes and signal lights.
- **Power Panel:** NEMA dust tight steel enclosure with single lockable main disconnect switch. Across the line starters are provided for all factory installed motors. All wiring is plug and cord.
- **Hydraulic Self Erect System:** Includes a 13 HP power pack with 80 gallon reservoir, four transport-friendly landing leg corner cylinders, two main silo cylinders and two mainframe support section cylinders. The landing legs are controlled by individual manual valves. Silo and support cylinders are controlled by a pendant control. System is already sized for adding a future self-erect tilt mixer.





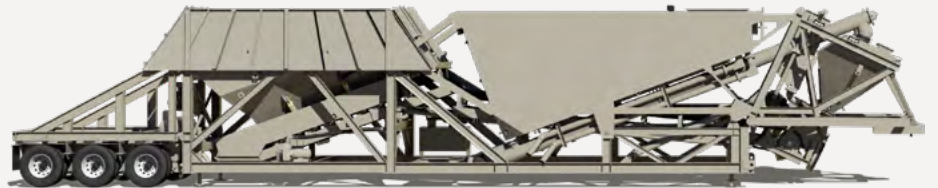


## MOBILE 12 SE-TM FEATURES:

- **Hydraulic plant erection:** Powered by a remote cable controlled hydraulic pack. The Mobile 12 SE-CM can be taken off a truck hitch and raised to operating position in minutes. No crane required for setup and tear-down of the base plant. The hydraulic system is sized for adding a future self-erect tilt mixer.
- **No steel pads and extra loads necessary for plant support:** Main structure extends entire length of frame on both sides eliminating your need for hauling steel pads or a concrete slab depending on soil conditions.
- **Loading height:** 14' clearance (to steel) for loading front and rear discharge trucks.
- **Aggregate section:** Flexible design allows for up to four materials and an exterior pinned fold-down aggregate bin.
- **Cement section:** High speed screws with direct drive motors batch cement quickly. Integrated two compartment cement bin for added flexibility. Oversized cement batcher for high strength mixes.
- **Future central mix** capability based on your project requirements.
- **Batch belt:** High speed batch belt maximizes production rates.

## DIMENSIONS

<b>Operating:</b>	Length	60' 3 5/16"
	Total Height	29' 3"
	Aggregate Bin Height	17' 3 9/16"
	Grade to Steel Charge Chute Height	14' 0"
<b>Travel:</b>	Plant Load Length	71' 4 1/4"
	Plant Load Height	14' 2 1/16"



## MOBILE 12 SE-TM OPTIONS:

- 600 bbl self-erect auxiliary cement bin with on-board power panel, aeration, and hydraulic system.
- Portable material handling system with up to four stackable conveyors/hoppers, self erect individual conveyors, or radial stacker.
- 135 ton, three compartment portable aggregate bin or up to 200 ton bin extensions.
- Two or three decumulative batchers for low profile aggregate ramp feeding.
- RexCon batch automation controls with 20' office control container.
- Central dust collector and/or Individual dust collectors for cement bins and batcher and truck mixer pickup points.
- Central grease system.
- VFD for transit mix with 48" batch belt or a 36" batch belt.
- Central mix conversion package: Includes 500 gallon batched water holding reservoir, 3" temper mag meter, 6" discharge to mixer charge chute.





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