

SEMIX MINI MOBILE 30

MOBILE CONCRETE BATCHING PLANTS



SMX-Z-2402052009-7

PROPOSAL

F&I CONCRETE

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United States

Delivery

10-14 Weeks

Validity Of Offer

12-02-2024

Terms Of Payment



MINI MOBILE 30

DESCRIPTION	AMOUNT	UNIT PRICE	TOTAL PRICE
1) MINI MOBILE 30	1	\$138,000.00	\$138,000.00
1.1) MINI MOBILE 30 CONCRETE BATCHING PLANT'S TOTAL CAPACITY: 30 YD ³ /H	1	-	-
1.2) AGGREGATE BIN CAPACITY: 4.5 X 3 = 13.5 YD ³ SQUARE TYPE BIN	1	-	-
1.3) AGGREGATE TRANSFER MECHANISM: CONVEYOR BELT	1	-	-
1.4) MIXER MOTOR POWER: 25 HP	1	-	-
1.5) MIXER TYPE & CAPACITY: 132/198 GALLON (0.65 YD ³) SEMIX SINGLE SHAFT MIXER (WET BATCH)	1	-	-
1.6) COMPRESSOR: ATLAS COPCO	1	-	-
1.7) AUTOMATION SYSTEM: SCHNEIDER (TOUCH PANEL & PLC)	1	-	-
1.8) AGGREGATE WEIGHING SYSTEM: WEIGHING HOPPER	1	-	-
1.9) CEMENT WEIGHING HOPPER: 660 LBS	1	-	-
1.10) WATER WEIGHING HOPPER: 440 LBS	1	-	-
1.11) ADDITIVE WEIGHING HOPPER: 5 GALLONS	1	-	-
1.12) ADDITIVE PUMPS: 1	1	-	-
1.13) OPTIONAL-HORIZONTAL CEMENT SILO (40 US TON)	1	\$75,000.00	\$75,000.00
1.14) OPTIONAL-CONCRETE DISCHARGE CONVEYOR	1	\$35,000.00	\$35,000.00
		Subtotal:	\$248,000.00
		Discount:	-\$46,500.00
		Total:	\$201,500.00
TRANSPORTATION			
		Mini Mobile 30&Cement Silo&Discharge Conveyor - (CFR Shipping to Port of Newyork)	\$18,000.00
		General Total:	\$219,500.00

OPTION 1

DESCRIPTION	AMOUNT	UNIT PRICE	TOTAL PRICE
1) WATER PUMP	1	\$4,200.00	\$4,200.00
		Subtotal:	\$4,200.00
		Total:	\$4,200.00
TRANSPORTATION			
		General Total:	\$4,200.00

OPTION 2

DESCRIPTION	AMOUNT	UNIT PRICE	TOTAL PRICE
2) CENTRAL DUST COLLECTOR SYSTEM (WAM-ITALY)	1	\$18,000.00	\$18,000.00
		Subtotal:	\$18,000.00
		Total:	\$18,000.00
TRANSPORTATION			
		General Total:	\$18,000.00



SEMIX Mini Mobile 30 Concrete Batching Plant is usually preferred on small job sites. The Mini Mobile 30 Concrete Batching Plant has all the necessary equipment on its' chassis hence it can be easily moved to another job site. The Mini Mobile Concrete Batching Plant does not need a crane for installation, it can deliver the concrete in an hour.

SEMIX Mini Mobile 30 is equipped with 750/500 liters capacity Concrete mixers which can be single shaft or planetary type mixers. In SEMIX Concrete Mixers NiHard4 or Hardox 450 wearings are used according to the Concrete recipe's sillicium ratio.

Aggregate storage hoppers can be fed by wheeled loaders without a ramp. Aggregates are weighed in the weighing hopper and then discharges into the transfer conveyor.

All SEMIX Concrete Batching Plants are being controlled by a SCADA system with a Schneider PLC integrated. Users can follow all used materials and integrate them into their CRM system. SEMIX's engineering team can intervene in the Automation system online to provide service.



Overview of the Mini Mobile Concrete Batching Plant

Model : Mini Mobile 30 Concrete Batching Plant

Theoretical Production Capacity : 30-45 yd³/h (30 seconds of mixing, C20 type of Concrete)*

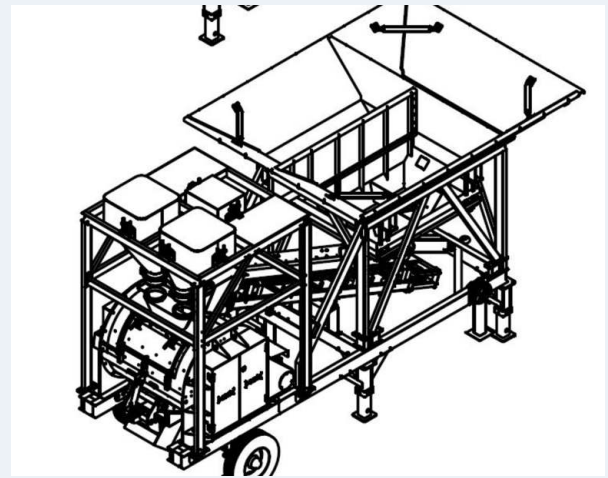
Aggregate Storage Bins : 3 bins total 13.5 yd³ storage capacity

Mixer Capacity : 0.65 m³ compacted Concrete per batch

Total Electrical Power: 60 HP, 60 Hz Frequency

Plug&Play

SEMIX Mini Mobile Concrete Batching Plants can be assembled in 1 hour both mechanically and electrically. With a one standard towing vehicle, it can be relocated for its' new job site and mix the concrete. All the necessary equipment for the installation is located on the mini mobile batching plant's chassis hence it will prevent the user from the extra costs for the installation.



0.65 yd³ Single Shaft Concrete Mixer



Compacted Concrete Per Batch: **0.65 m³**

Dry Volume: **1.0 yd³**

Motor Power: **25 HP**

Maximum Grain Size : **3.1 inch**

Mixer Blades & Wearings

Mixing Blade : Ni-Hard 4 (**Chrome, Nickel special alloy cast iron**)

Stripping Blade : Ni-Hard 4 (**Chrome, Nickel special alloy cast iron**)

Internal Wearing : **HARDOX 450**

Ni-Hard 4 : In all SEMIX Concrete Mixers, Ni-Hard 4 alloys are being used in mixer blades. NiHard4 is a white cast iron product with nickel and chromium alloying, to give a hard chromium carbide in a martensitic matrix. This structure is ideal for products under conditions of high abrasiveness and high impact conditions.



Automatic Lubrication System for Single Shaft Mixer

Lubrication : 4 Points Automatic Lubrication System **SKF - LINCOLN (German)**

Automatic lubrication system is integrated with the PLC and SCADA, the system periodically lubricates the necessary points and preventing from major problems.

Weighing Hoppers

Cement Weighing Capacity: 660 lbs

Cement Weighing Load-cells: 3 units

Water Weighing Capacity: 440 lbs

Water Weighing Load-cells: 2 units

Additive Weighing Capacity: 5 gallons

Additive Weighing Load-cells: 1 unit





Weighing Hopper Equipments

Cement Discharge Valve: Ø 5.90 in Butterfly Type - **WAM (Italy)**

Cement Hopper Vibrator: 1 unit - **OLI (Italy)**

Water Discharge Valve: Ø 3.90 in Butterfly Type mm - **WAM (Italy)**

Additive Discharge Valve: 1 Unit - 1 ½" ball valve with actuator

Aggregate Weighing Hopper

Aggregate Volume: **1.0 yd³**

Load Cells: 4 pieces

Vibrator: 1 unit, **WAM-OLI (Italy)**

Discharge Pistons: **2 Units, FESTO (Germany)**



Aggregate Transfer Conveyor

Belt Quality : EP 125 / 4 coats

Motor Power : 5 HP

Bearings : Lubrication Grease Nipple over SNH series

Emergency Stop Button : 1 Unit

Pull-rope Switch : 1 Unit

Aggregate Storage Hoppers

Aggregate Bins Capacity&Quantity: **13.5 yd³ – 4.5 yd³** capacity each one
Bunker Discharging Gate(s): 1 Gate in each bin – Totally 3 Discharging Gates

Pneumatic Piston Brand & Capacity: DSBC 80-250 Piston 3 Units – **Festo (Germany)**

Pneumatic Valve : 3 Units – **Festo (Germany)**



Minimobile 30-Bauma2022



Minimobile 30 Concrete Batching Plant with 0.65 yd³ Planetary Mixer

Concrete Discharge Conveyor



