THOROUGHBRED
STATIONARY AND PORTABLE CONCRETE PLANTS

Stephens
CONCRETE PLANTS - Tompkinsville, KY

800-626-0200
www.stephensmfg.com

Tompkinsville
Thoroughbred
Cement Silo

Standard Silo 374 BBL.
Optional: Silos up to 1,069 BBL single and dual compartments.
837 - 1,067 have 1/4” 1st band.

- Standard
- 1,496 cubic feet – cylindrical design – 11’5”-1/2” diameter constructed of 3/16” steel with ¼” steel top.
- 4” diameter fill line inside silo with cover mounted on top of silo.
- Outside ladder and safety CAGE, with toe board and pipe handrails around top of silo.
- SV-170 filter vent (170 Sq. Ft. cloth) and timer switch controls with wiring in liquid tight flexible metallic conduit from filter vent on top of silo to junction box on plant power panel. Internal electric shaker cleaning devise, with 1/3 HP single-phase motor. Optional: Vents available.
- Hinged silo or cement batcher for easy transporting. (Silos over 528 BBL or 2,112 cu. ft. will be separate load).
- Silo support structure constructed of steel “structural” beams 374 – 606 = W8x31#, 837 – 1,069 = W8 x 48#.
Thoroughbred Portable Concrete Plant

The Stephens Thoroughbred comes with bolt on extension legs with 13’ 6” clearance to metal.

Stephens Mfg. is a member of the CPMB (Concrete Plant Manufacturers Bureau) Each plant will have a CPMB rating plate to guarantee that it meets the specifications for that size plant.
Cement Batcher

- 14 yd cement batcher 140 cu. ft. with 10,000 lb. lever system, one “s” type load cell (100’ cable) with 0-10 VDC digital readout, with inching gate on batcher inspection hatch on top of batcher.
- Hanger lugs for hanging test weights and safety chains to secure batcher. Optional: Limit Switches available.
Aggregate Bin

Standard 70 TON - Three Compartments.
(Optional: Bins up to 200 Ton - Six Compartments).

1400 cubic feet 70 ton – 51 cubic yards with heap – 3 compartment overhead storage bins.
• Bolt on extension legs between overhead bins and aggregate batcher.
• 10 yards of material may be discharged from any two (2) compartments. (On 4-compartment bin consult factory).
• Hinged fold down sides for easy transportation. (Note: It may be to customer’s advantage to have bins welded up to save crane time and labor in the field.)
• Two clam gates on each compartment. Gear type gates with six (6) ¾” teeth on each gear.
• Each gate has permanently lubricated bronze bushings.
• 5” diameter air cylinder with electric solenoid.
• Heap plates.
• ¼” abrasive resistant steel (400 brinnell) welded immediately above each gate (approx 12” tall.)
Optional: A/R Liners available

Aggregate Batcher

• 12 yard with 40,000 lbs lever system with one “s” type load cell and 0-10 VDC digital readout.
• 580 Cu. Ft. capacity at water level.
• Two discharge openings in batcher with one (1) extra long double acting clamshell gates, under both openings. Gear type gate with six (6) ¾” teeth per gate. Gate has permanently lubricated bronze bushing. Gate will be actuated by two 5” air cylinders, with flo-restricators mounted in solenoid.
Transfer Conveyor

- 30” x 33’6” channel frame transfer conveyor.
- Stephens conveyors are rated by the CPMB (Concrete Plant Manufacturers Bureau) for accurate discharge rates.
- Optional: 36 Transfer Conveyor available

AIR COMPRESSOR
Standard: 15 HP 240 Gallon
Optional: 20 HP and Rotary Compressors

ELECTRICAL PANEL
200 AMP Power Panel
Optional: 400 and 600 AMP
THOROUGHBRED - TOWING POSITION

70 TON - 200 TON

THOROUGHBRED PORTABLE CONCRETE PLANT DIMENSIONS CHART

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<thead>
<tr>
<th>DESCRIPTION</th>
<th>UNITS</th>
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NOTE: A MAY REQUIRE SPECIAL TWO PIECE DESIGN – PLEASE CONSULT FACTORY.

NOTE: TO CONTINUALLY UPDATE AND IMPROVE OUR PRODUCTS, WE RESERVE THE RIGHT TO AMEND OUR STANDARD SPECIFICATIONS WITHOUT NOTICE.
Why a Stephens?

- Owned by Stephens family since 1957
- Reputation of honest, reliable and second to none sales and service
- In-house CNC/Machine shop
- Certified in-house scales to keep load cell size and quantity down
- Simple and easy to service and maintain, features standard off the shelf parts
- Each plant is designed for your seismic requirements

Proud Members of

[Certification logos]

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Quality Products Since 1957

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Why a Stephens?

New Low-Profi le Mustang
- 400 bbl in truss silo
- 70 ton agg bin
- 30" transfer belt
- Two 10" screws
- Optional in truss central dust collector
- Standard frame designed to typical Zone 2A calculations

New Heavy Portable Falcon
- Standard frame supports up to two 1000 bbl silos/200 ton agg bins and optional 400 ton
- Plant can be designed with 36" belt, water batcher and holding tank for 200 yds/hr production
- Space saving, mountable central dust collector available
- Can be designed for Zone 1 - Zone 4 seismic calculations

“We have used these tough economical times to expand our product list.”

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