

Power Curbers



POWER CURBER 5704-D MAX FOUR-TRACK SLIPFORM MACHINE

www.powercurbers.com

THE FOUR-TRACK 5704-D MAX

- ▶ Additional stability from fourth post for large applications
- ▶ Easily switch from left to right pouring with dual-swinging conveyor mount
- ▶ Belt and auger conveyor options available, including 28' (8.53m) folding belt

DESIGN STRATEGY

At Power Curbers, we believe in keeping things simple. Our engineering and design are based on providing customers with an easy-to-operate, reliable, and productive machine. This design strategy is evident throughout the 5704-D.

APPLICATIONS

Though Power Curbers has poured barrier wall for decades, the evolution of the 5700-series has allowed us to pour larger barrier than before. In addition to standard Jersey barrier, the 5704-D pours variable barrier and other vertical structures for tunnels and high speed rail. The low center of gravity and size-to-weight ratio makes the 5704-D ideal for barrier and parapet.

BARRIER MOLD LIFT

At the end of a day's pour, the hydraulic barrier mold lift allows you to raise the mold up and off the steel cage. With 48" (1220mm) of stroke in the mold lift and 36" (914mm) of post extension the 5704-D can clear tall steel cages, allowing you to quickly move the machine out of traffic for cleanup and until the next day's pour.

VISIBILITY

The operator has an excellent view of concrete as it exits the mold, allowing adjustments immediately to minimize handwork behind the machine. The operator also has good visibility of all activity around the machine.

STRINGLESS CAPABLE

All-crawler steering equipped machines are ready to work with Topcon, Leica, and Trimble 3D systems.



POWER CURBER 5704-D MAX

SPECIFICATIONS & DIMENSIONS

SLIPFORM PAVING

Barrier/Parapet Height: Consult factory for wall over 6' (1.8m) tall | Maximum 5' (1.5m) with auger conveyor

ENGINE

Type: Cummins QSB4.5-130C diesel 4-cylinder/4-stroke, turbocharged, Tier 4 Final emissions-compliant. Optional Tier III emissions-compliant engine available where regulations allow. Optional Stage V engine available.

Power: 130 HP (97kW) @ 2200 RPM

SERVICE CAPACITIES

Fuel Tank: 66 gallons (250 liters)

Hydraulic Tank: 50 gallons (189 liters)

CONTROLS

Power Curbers SlipSmart Control System:

Provides electronic over hydraulic control for grade, forward and reverse steering, and slope.

Features: Adjustment for sensitivity and deadband offering the operator accuracy and feel, without complexity; self-diagnostics; and automatic shut-off for sensors that leave the stringline. Networked Digital Control with autoslope, cruise control, 3-D readiness, advanced set-up flexibility, and a large graphic display

Convenience & Safety: Synchronized ON/OFF for vibrators & crawlers. Five Emergency-Stop switches and a horn for operator and chute man

Light Kit: Two Spotlights mounted on each crawler post, one at the operator's panel, and one in the engine enclosure.

VIBRATION

Vibrator Circuits: Six hydraulic circuits with variable speed and independent control

Vibrators: Two, with adjustable mounts

Options: Extra vibrator(s) with hanger and extra vibrator circuits (three for a total of nine maximum)

CONVEYOR SYSTEM

Available with option of 20' (6m) belt, 28' (8.53m) folding belt, or 12' (3.7m) auger conveyor.

HYDRAULIC ADJUSTABLE OFFSET

Lateral Shift: 24" (610mm) hydraulically with positive mechanical locking

Vertical Shift: 25" (635mm); 16" (406mm) hydraulically, 9" (228 mm) mechanically

Option: Hydraulic Mold Offset Lock

WATER SYSTEM

Washer: 2,000 psi (138 bar or 13.8Mpa) high pressure system with trigger control and adjustable spray nozzle

Tank: Stainless steel with 132 gallons (500 liters) capacity

Options: Low Pressure System, Mold Misting Kit, Charge Hopper Water Kit

CRAWLERS & ELEVATION POSTS

Type: Four hydraulically powered crawlers with 57:1 planetary gear reduction.

Tracks: 12" (305mm) wide steel pads

Speed: Travel at 0-70'/min (21m/min)

Pouring at 0-35'/min (10.5m/min)

Minimum Turning Radius: Toward mold at 2' (610mm) Away from mold at 20' (6.1m)

Post Extension: 36" (914mm) hydraulic cylinders

Options: Polyurethane Track pads and D-Ring posts

NET WEIGHT

Machine: 31,000 lbs. (14,061kg) with 28' (8.53m) folding belt | 30,600 lbs. (13,880 kg) with auger

Full Water Tank: Add 1,100 lbs. (500kg)

Full Fuel Tank: Add 480 lbs. (215kg)

Tier III Engine: Subtract 300 lbs. (340kg)

Weight Pod: Add 2,800 lbs. (1,270kg)

Barrier Lift: Add 1,300 lbs. (590kg)

Quick Connect: Add 750 lbs. (340kg)

TRANSPORT DIMENSIONS

Length: 27' 2" (8.3m) with auger | 31'6" (9.6m) with 20' belt | 25' 3" (7.7m) with 28' (8.53m) folding belt

Width: 8' 3.5" (2.53m) with weight pod and barrier lift

Height: 9' (2.75m)