

# SF-2700

## Machine Specifications

### DIESEL ENGINE

Tier 3, 6-cylinder, 4-stroke Cummins QSB6.7 220 hp (164 kw) @ 2,200 rpm

Displacement: 12-volt electric starting system with 160-amp alternator

Fuel Tank Capacity: 95 gallons (432 L)

Engine Oil: 15 qt (17 L)

Fuel Economy: 9.13 gph (34.56 Lph) at 80% of rated hp

Optional Tier 4, 6-cylinder, 4-stroke Cummins 6QSB6.7 225 hp (166 kw) @ 2,200 rpm

### DIMENSIONS AND WEIGHT

Paving Depth 0 to 16 inches (40.64 cm)

Paving Width 12 feet (3.66 m) to 27 feet (7.32 m)

Optional Paving Width Up to 32 feet (9.75 m)

Overall Width 52 inches (1.32 m) wider than paving width

Length 16 feet (4.88 m)

Weight 48,000 pounds (21,772 kg) to 50,000 pounds (22,679 kg)

### TRANSPORTATION DIMENSIONS

Width (Assembled) 12 feet (3.66 m)

Width (Tracks Off) 8 feet, 6 inches (2.59 m)

Height 7 feet, 10 inches (2.39 m)

### WATER SYSTEM

- Two 110-gallon tanks (416.39 L)
- Hydraulically driven 4 gallons per minute (15.141 Liters per minute) pump delivers 2000 psi (544.3 kpa) for clean-up and utility

### TRACK DRIVE SYSTEM

Paving Speed 0-37 feet per minute (11.28 meters per minute)

- 2 heavy duty 12-foot (3.66 m) track systems with 12-inch wide (30.48 cm) triple grouser steel track pads
- Track components with sealed links, 8-roller track frame, lifetime-lubricated rollers, grease gun type hydraulic track tension adjustment
- Triple reduction 138:1 track drive for super smooth travel at slow speed
- Side clearance (edge of slab to outer portion of track) 26 inches (66 cm)

### MAINFRAME

- Rigid box frame 39 inches deep (99.06 cm) with 1/2-inch plating (12.7 mm) for more rigidity at widths more than 30 feet (9.14 m)

### POWER DRIVE SYSTEM

- Engine flywheel mounted pump drive gear box with hydraulic pumps flange-mounted and spline shaft engaged
- Variable volume pressure compensated pump for vibrator and machine system; maximum of 64 gallons per minute (242.26 Liters per minute)
- Speed controlled functions remain at set flow rate regardless of changes in working load pressure, for smooth, even extrusion of concrete

### HYDRAULIC OIL/FILTRATION

- 275-gallon (1040.97 L) main hydraulic reservoir with visual fluid indicator
- Filtration system with three sump filters and three 10-micron spin-on filters

### GRADE CONTROL

- Automatic machine elevation by electrical controls through electronic sensors and referenced through 4 sensor units
- Hardware for dual string-line control (4 corners) or "lock to grade" referencing
- Dual cross slope sensor control for single stringline paving

### ELEVATION CONTROL

Manual or automatic

### STEERING

- Manual or automatic
- Counter rotation in manual mode
- Fully proportional sensing system for automatic steering control
- Electrical connections for right-hand or left-hand steering reference

### OPERATOR'S CONSOLE

- Pressure gauges for all systems
- Master switch for synchronized start and stop of all paving functions
- Engine controls and monitoring devices

### SPREADER AUGER

- 16-inch (40.64 cm) diameter split, reversible auger with hard-surfaced flighting
- Each side independently driven by constant volume, heavy-duty 29.9 cubic inch (489.97 cc) hydraulic motor with 3.27:1 reduction
- Adjustable height

### HYDRAULIC STRIKE-OFF

- Operator controlled for metering concrete flow to enclosed vibrator and tamper section in front of profile pan
- Sections telescope for width adjustment

### HYDRAULIC VIBRATORS

- Rated at 10,000 rpm at 4 gallons per minute (15.14 Liters per minute)
- 12 vibrators standard with individual pressure compensated flow control valves
- Operator controlled hydraulic vertical lift
- Removable baffle plates between vibrators for use on super elevations

### PAVING PAN

- 46 inches (1.17 m) long with power crown
- Over-built edges to compensate for edge slump
- Tracks and side forms adjust for running with both tracks on the ground, or one or both tracks on adjacent slab
- Curb mold inserts installed quickly

### OPTIONAL EQUIPMENT

- Extension kits to 32 feet (9.75m)
- Additional hydraulic vibrators
- Additional four bank vibrator control manifolds
- Integral curb molds made to order
- Center bar inserter
- Urethane track pads
- Quarter point bar inserters
- Manual side bar inserter (per side)
- Hydraulic side bar inserter
- Hydraulic belt finisher
- Automatic reverse steering
- Hydraulic in/out up/down side forms
- Pan crown lineal indicator
- GPS/3D Package available
- Lock package for vandalism protection

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## Machine Feature Highlights

### ▲ Retractable Side Forms

- Side forms can be pulled off the pan to position the machine over the previous day's pour or existing pavement.
- Once the machine is in place, the side forms can be brought back in for a perfectly aligned transition from existing concrete to new.
- This process results in a higher-quality pavement and a smoother ride.



Side form shown withdrawn.

### ▲ White Topping

- The SF-2700 is great for pouring white topping due to its minimal side clearance requirements.
- Power Paver 3.67m (12.1 ft) tracks provide stable weight distribution and traction resulting in an extremely accurate paving surface.
- The compact design of the machine's frame minimizes flex so the paving surface is as accurate as possible. It's size allows quick and smooth adjustments, making it a perfect choice for white topping accuracy.



Paving a thin layer of white topping over asphalt.

