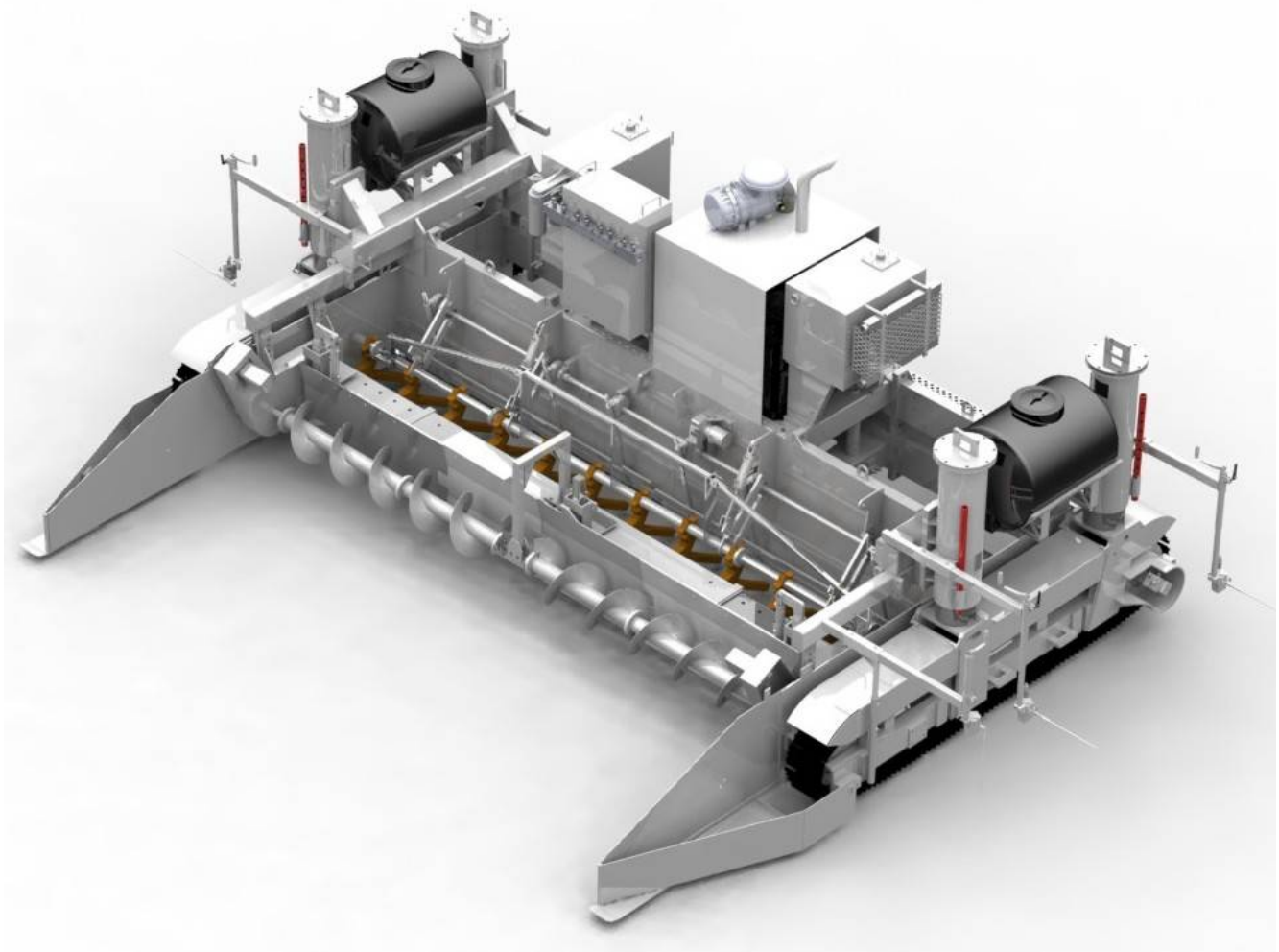


# SF-1700 SLIPFORM PAVER SPECIFICATIONS



- **Specifically designed for residential streets and intermediate projects**
- **Paving width from 10 to 21 feet (3 to 6 Meters).**
- **Two track design – two-speed range, counter-rotating tracks.**
- **Series I Paving Kit – designed for strict specification paving.**

## Engine

Cummins 4 Cyl. 160 hp QSB4.5 Tier 3 water cooled turbocharged after-cooled, 4.5 liter (275 cu in.) In-line 4 cylinder diesel engine. 160hp (119kw) @ 2200 rpm, 12 volt electrical system with 100 amp alternator.

## Track Drive System

Two heavy duty 12ft (3.65m) track systems, with 12in (30.5cm) wide, triple grouser street shoes. Track components with sealed links, lifetime lubricated rollers, grease gun type hydraulic track tension adjustment.

Paving speeds.....0-30fpm (9 mpm)  
Travel speeds.....0-60fpm (18 mpm)

Side clearance (distance from edge of slab to outer most portion of track) 29in (73.6cm) with standard two speed motors.

## Mainframe

Extensions expand the paving width to 17 feet. Optional extensions expand the paving kit to 21 feet.

## Power Drive System

Pump drive gear box is engine flywheel mounted, with hydraulic pumps flange-mounted and spline shaft engaged.

One variable volume pressure compensated pump developing a maximum of 60gpm (227 lpm ) supplies the vibrator system.

One variable volume pressure compensated pump developing a maximum of 49gpm (185 lpm), pumps only the volume of oil that is required at any given time for grade elevation, tamper, and auxiliary functions.

All speed controlled functions remain at set flow rate regardless of changes in working load pressure for smooth, even extrusion of concrete.

## Hydraulic Oil and Filtration

185gal (700 liters) main hydraulic reservoir with visual fluid indicator.

Industry standard filtration consisting of three sump filters, and three 10 micron spin-on filters. Inline filters on Hydraulic sensors.

## Power Wash System

Hydraulically driven 4gpm (15.14 lpm) pump delivers 2000psi (138bar) water for cleanup and utility use.

On-board water storage capacity is 220gal (833 liters).

## Elevation Control

Manual or automatic mode is operator selected.

Automatic machine elevation is maintained by the hydraulically powered leg columns on each track assembly. Control is through the hydraulic or electronic sensor system and is referenced through four sensor units. Control hardware allows dual string line (four corners) control or “lock to grade” referencing.

## **Steering**

Operator selection of manual or automatic control.

Counter rotation of crawler tracks possible in manual mode.

Fully proportional sensing system for automatic steering control from grade reference.

Connections are provided for right hand or left hand steering reference.

Optional auto reverse available.

## **Operator's Console**

All functions of the machine at the operator's fingertips.

Pressure gauges for all systems.

One switch paving mode for ease of operation.

Engine controls and monitoring devices.

All-around visibility by operator while running machine.

## **Spreader - Auger**

16in (40.6cm) diameter split, reversible auger with hard-surfaced flighting.

Each side individually speed controlled driven and driven separately. Heavy-duty 29.9 cu. in. (490cc) hydraulic motors with 3.27 to 1 reduction for power to move low slump concrete at widths to 21ft (9.75m).

Spreaders are tied to auto-grade; but can be manually over-ridden at any time for metering concrete flow to the enclosed vibrator and tamper section in front of the profile pan.

Auger widens by section. Strike-off beam telescopes.

## **Hydraulic Vibrators**

2.25 (5.7cm) diameter head hydraulic "L" shaped paving vibrators with individual pressure compensated controls (up to 12 controls).

Standard machine features 8 hydraulic vibrators with individual pressure compensated flow control valves located at the console. (up to 16 vibrators optional)

Vertical adjustment is operator controlled through hydraulic power lift system.

Removable baffle plates between vibrators for use on supers.

## **Tamper Bar**

Hydraulic powered tamper bar. Speed is controlled by operator.

Tamper bars are staggered for smoother paving.

Double tamper bar to prevent "crusting" in vibration chamber.

## Profile Pan

46in (1.17m) profile pan with power crown for straight (roof top) crown configurations.

Profile pan automatically adjusts for grade variations up to 24in (60.9cm) during the paving process.  
End pan over-build to compensate for edge slump.

Profile pan, tracks, and sideforms automatically adjust from running with both tracks on the ground to one or both tracks running on adjacent slab with no modification.

Curb mold inserts can be installed quickly on either or both sides.  
Profile pan comes with sharp square trailing edge for better finish.

## Sideforms

32in (81cm) high sideforms for containing enough concrete during deep pours.

## Service Refill Capacities

Fuel Tank.....	95gal (360 liters)
Hydraulic Oil Tank.....	200gal (700 liters)
Engine Oil.....	6gal (30 liters)
Engine Coolant.....	16gal (23 liters)
Auxiliary Water Supply.....	220gal (833 liters)

## Paving Dimensions

Standard Paving Depth.....	0-16in (40cm) (With a 4in (10cm) leeway)
Standard Paving Width.....	10 feet to 17 feet
Optional Paving Width.....	To 21 feet

## Transportation Dimensions

Height.....	8ft 6in (2.5m)
Length.....	58in (147cm) longer than paving width
Width (with tracks).....	12ft (4.25m)
Width (without tracks).....	7.5ft (3.65m)

## Operational Specifications

Height.....	10ft 6in (3.2m)
Width.....	58in (147cm) wider than paving width
Length.....	18ft (5.48m)
Weight.....	39,000 lbs (17 690 kg) to 45,000 lbs (20 411 kg) (Depending on width of paver to 21 feet.)

Material and specifications are subject to change without notification.

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