

# ***CURB CADET*** ***COMPACT CURB MACHINE***



## **Highly Mobile Compact Curb Machine**

- The Curb Cadet will slipform concrete curb or extrude asphalt or concrete curb. The extruder is capable of handling zero-slump concrete. It is self-propelled and compact in size for easy loading and transporting from job-to-job.
- The manual travel control valve and knob, grade controls, engine controls and warning light are located in the handle.
- The manual steering assembly with control panel provides the operator with front wheel steering. Mobility is achieved with a hydraulically driven, rear-mounted track. An optional three-track machine is also available.
- The manual hydraulic system is easy to operate, troubleshoot and maintain with adjustments made by simply tuning a knob on the valve. The vibrator control knob and the cross-auger control knob are located on the front console of the machine.
- The coordinated stop switch provides automatic on/off control of vibrator and/or auger synchronized with forward travel.
- Elevation of the Curb Cadet is controlled by three hydraulic cylinders with 10 in. (254 mm) stroke and an additional 5 in. (127 mm) manual adjustment.
- Molds are quickly interchangeable on the Curb Cadet and can accommodate concrete mold configurations that will fit within a 12 in. (305 mm) wide by 14 in. (356 mm) high section. For other slipform mold configurations, please consult the factory.
- Curb may be poured on either side of the machine. The hopper and mold is adjustable up to 12 in. (305 mm) for center pour or side pour. With the slipform mold, the Curb Cadet can place concrete over dowels or continuous reinforcing bar.
- The hydraulically powered extruding auger and the cross-feed auger easily convert from the extrusion to the slipforming operation.
- The Curb Cadet has the capability of pouring a 2 ft. (.61 m) radius, depending on the mold profile.

## ENGINE

**Type:** Gasoline, water cooled.  
**Power:** 30 hp (22.4 kW) continuous @ 3400 rpm.  
**Option:** Diesel engine, water cooled, 30.2 hp (22.5 kW) continuous @ 3000 rpm.

## SERVICE CAPACITIES

**Fuel reservoir:** 23 gal. (87.1 L)  
**Hydraulic oil reservoir:** 14.65 gal. (55.45 L)

## CONTROL SYSTEM

**Type:** Hydraulic, with controls in handle and front console of machine. The manual travel control valve, manual 3-point grade control, cross auger directional controls, engine controls and e-stop warning light are located in the handle. The vibrator control knob and cross-auger speed control knob are located on the machine's front console.

## HYDRAULIC SYSTEM

**Pump:** Load sense pump provides 21.4 gpm (81.0 Lpm) @ 3400 rpm.  
**Oil cooler:** Air to oil cooler mounted in front of radiator to cool return oil.  
**Filtration:** 100 mesh sump filter, one 3 micron return line filter and one 10 micron oil reservoir fill filter.

## VIBRATOR with slipform mold (option)

**Type:** Hydraulically powered, motor in head, variable speed, independently controlled. Recommended when slipforming over vertical dowels or inserting longitudinal steel.

## HOPPER CAPACITY

**Concrete:** 13 cu. ft. (.37 cu. m)  
**Asphalt:** 7.09 cu. ft. (.2 cu. m)

The vibrator adjustments and cross-auger knob are located on the front console.



The hydraulic manual control system is easy to operate, troubleshoot and maintain.

## CROSS-AUGER AND HOPPER

**Adjustable:** 12 in. (305 mm) sliding hopper.  
**Auger dimensions:** 12 in. (305 mm) diameter by 4 ft. 8 in. (1.42 m) long for concrete. Removable paddles for slipforming.  
**Auger drive:** Hydraulic motor direct coupled to auger shaft.  
**Auger speed:** Up to 48 rpm.

## EXTRUDING AUGER with mold (option)

**Auger dimensions:** 6 in. (152 mm) diameter by 24 in. (610 mm) long.  
**Auger drive:** Hydraulic motor direct coupled to auger shaft.  
**Auger speed:** Up to 61 rpm.

## ASPHALT EXTRUSION ASSEMBLY

**with mold (option)**  
Asphalt extrusion kit includes a double skin hopper and auger, heavy duty extruding auger and drive, propane burner and propane tank.

## TRACK AND WHEEL ASSEMBLIES

**Track dimensions:** One track, 23 in. (584 mm) long, 6 in. (152 mm) wide, by 9 in. (229 mm) high.  
**Track motor:** 24 cid roller vane motor.  
**Wheel assemblies:** Eight - 9 in. (229 mm) diameter by 3 in. (76 mm) wide wheels.  
**Travel speed:** Up to 51 fpm (15.5 mpm) paving, 94 fpm (28.7 mpm) transport.  
**Track load:** 1225 lbs. (555.7 kg). Ground pressure at 29 psi.  
**Wheel load:** 1275 lbs. (578.3 kg) with weight equally distributed on eight wheels.



## Optional three-track machine:

**Track dimensions:** 23 in. (584 mm) long, 6 in. (152 mm) wide, by 9 in. (229 mm) high.  
**Track motor:** 24 cid roller vane motor.  
**Travel speed:** Up to 51 fpm (15.5 mpm) paving, 94 fpm (28.7 mpm) transport.  
**Track load (rear):** 1225 lbs. (555.7 kg). Ground pressure at 29 psi.  
**Track load (front):** 1275 lbs. (578.3 kg), with weight evenly distributed on both tracks, ground pressure at 15 psi.

## RADIUS

2 ft. (.61 m), depending on mold profile.

## DIMENSIONS

### Overall transport dimensions:

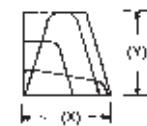
7 ft. 6 in. (2.29 m) long, 6 ft. 6 in. (1.98 m) wide, and 3 ft. 2 in. (.97 m) high.

### Optional three-track overall dimensions:

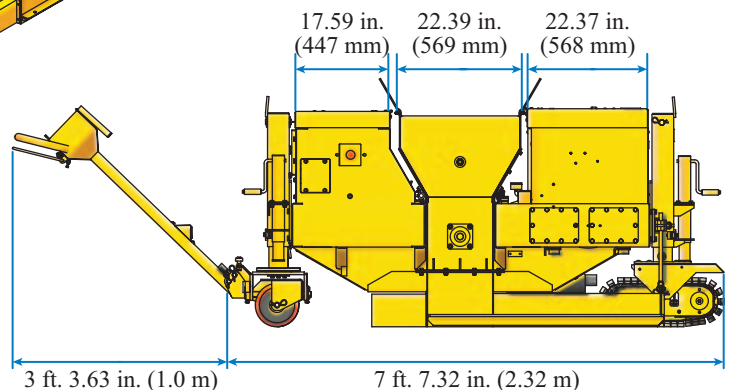
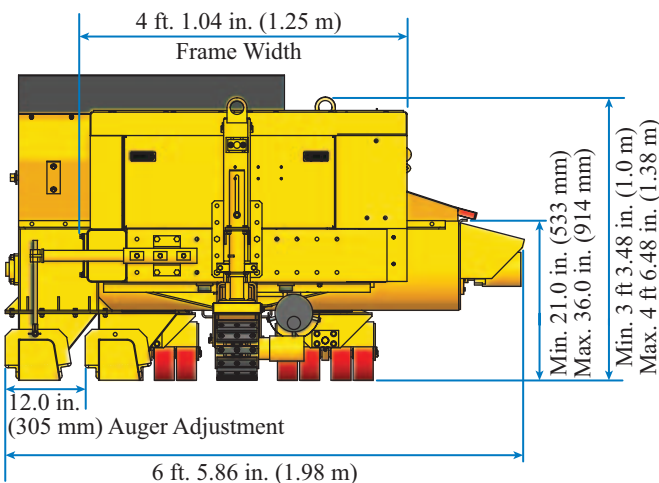
8 ft. 5 in. (2.57 m) long, 6 ft. 6 in. (1.98 m) wide, and 3 ft. 2 in. (.97 m) high.

## WEIGHT

2650 lbs. (1202 kg).



Slipform mold configurations will fit within a 12 in. (305 mm) wide (X) by 14 in. (356 mm) high (Y) section.  
Asphalt mold configurations will fit within a 10 in. (254 mm) wide (X) by 10 in. (254 mm) high (Y) section.



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