

FireCaptainTM

SERIES

CADET

FIRE CART



SELF-PRIMING 2-STAGE FIRE PUMP

The **KECO FIRE CAPTAIN CADET-6** and **CADET-9** are versatile, rugged, and economical twin impeller self-priming pumps. These units are driven by **6 HP and 9 HP Honda engines**. They produce maximum pressures of 120 PSI (8.3 BAR) and 150 PSI (10.3 BAR). They also produce flow rates of up to 105 US GPM (397 L/min). Their compact design makes them ideal for a variety of applications such as firefighting, tank filling and water transfers.

Applications

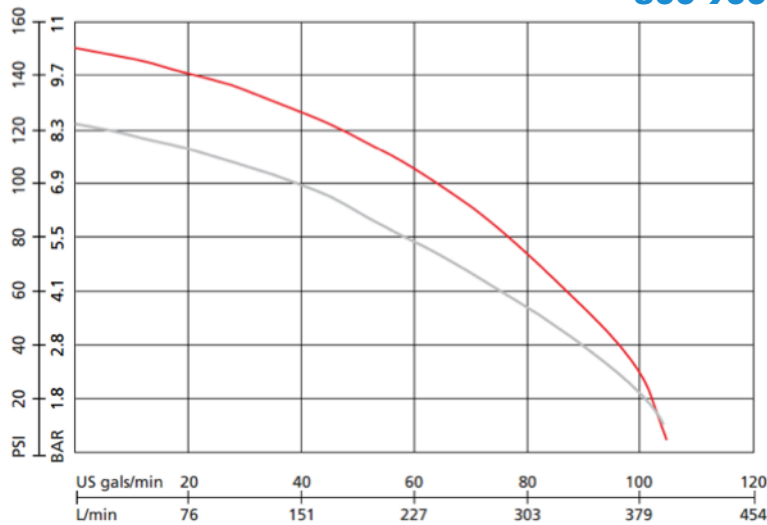
- Firefighting
- Tank filling
- High head general water transfer
- Boom spraying
- Irrigation

Features and Benefits

- Twin impeller design provides additional pressure for longer & higher pumping applications.
- Pump casing and diffusers manufactured from quality corrosion resistant grade aluminum for long life.
- Nylon glass fiber reinforced impellers fully corrosion proof and lightweight.
- 3-way discharge port for easy installation.
- Powder coated casing for added corrosion resistance.
- Self-priming for more versatile installation options.
- Easy to access drain port.
- Low oil protection.
- Comprehensive user and service manuals.
- EPA certified.

SPECIFICATIONS

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Honda GX200 - 6

HONDA ENGINES

Weight: 56 Lbs (25 Kg)
 Engine brand: Honda GX200
 Series Engine type: Gas 4-Stroke

Flow rate at specified pressure

Maximum pressure: 120 PSI (8.3 bar)
 Free flow: 105 US gals/min (397 L/min)
 Maximum head: 277' (84m)

Flow Rate			Pressure	
US GPM	(LPM)		PSI	(BAR)
83	(314)	@	50	(3.4)
63	(238)	@	75	(5.2)
38	(144)	@	100	(6.9)

Honda GX270 - 9

HONDA ENGINES

Weight: 79 Lbs (36 Kg)
 Engine brand: Honda GX270
 Series Engine type: Gas 4-Stroke

Flow rate at specified pressure

Maximum pressure: 150 PSI (10.3 bar)
 Free flow: 105 US gals/min (397 L/min)
 Maximum head: 347' (106m)

Flow Rate			Pressure	
US GPM	(LPM)		PSI	(BAR)
92	(348)	@	50	(3.4)
80	(303)	@	75	(5.2)
64	(242)	@	100	(6.9)

Pumps Specifications:

Type: 2-stage Self-Priming Centrifugal Pump
 Maximum Allowable Pressure: 190 PSI (13.1 bar)
 Intake: 2" Male NPT Thread (Other connector options available)
 Discharge: Manifold: (2) 1" Male NPT and (1) 1.5" NPT ports with hard anodized aluminum caps. 2"
 Priming Port: Male BSP with hard anodized aluminum cap
 Body & Diffusers: Anodized corrosive resistant aluminum
 Impellers: 6.28 inches (160 mm) Diameter; Reinforced glass fiber nylon composite.
 Wear Rings: Reinforced glass fiber nylon composite; replaceable.
 Pump Shaft: Extension off engine drive shaft.
 Pump Seal: Maintenance Free; Mechanical Type.
 Drive Unit: Engine, Direct drive off engine PTO shaft.
 Color: Red Powder Coat.

SPECIFICATIONS

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Engines Specifications:

Model & Type:	Honda GX200 Series, 4-stroke horizontal shaft, OHV, air cooled gasoline Honda GX270 Series, 4-stroke horizontal shaft, OHV, air cooled gasoline Honda GX270E Series, 4-stroke horizontal shaft, OHV, air cooled gasoline
Net Power Output:	5.5 HP (4.1 kW) @ 3,600 RPM 8.5 HP (6.3 kW) @ 3,600 RPM
Net Torque:	9.1 lb-ft. (12.4 Nm) @ 2,500 RPM 14.1 lb-ft. (19.1 Nm) @ 2,500 RPM
Bore & Stroke:	2.68 x 2.13 inches (68 x 54 mm) 3.03 x 2.28 inches (77 x 58 mm)
Displacement:	11.96 cubic inches (196 cc) 16.48 cubic inches (270 cc)
Starting System:	Manual; Recoil
Ignition:	Manual; Recoil with Electric Start Option (for GX270E only) Transistorized magneto/Digital CDI with variable ignition timing
Governor:	Mechanical
Cooling:	Air Cooled
Lubrication:	Oil, Splash
Oil Capacity:	0.63 quarts (0.6 liters)
Emissions:	1.16 quarts (1.1 liters)
Fuel Type:	Meets current CARB, EPA, and CE requirements.
Integrated Fuel Tank Option:	Gasoline [unleaded, 86 minimum octane, 10% maximum ethanol] 3.3 US quarts (3.1 liters) with manual shut off valve
Muffler:	5.6 US quarts (5.3 liters) Canister type with forestry approved spark arrestor

Frame Specifications:

Cart Kit: Cart system with 10" wheels and equipment pouch.

Controls:

Engine supplied controls: Engine Choke Lever, Throttle Lever, Fuel Valve Lever, and On/Off Switch.
Start/Stop switch (GX270E) and Low Oil Led (GX270E).

PRODUCT SELECTION MATRIX

		CADET-6	CADET-9	CADET-9E
Cart System	10" wheels, equipment pouch, suction and discharge hose, nozzle	S	S	S
Discharge Adaptors	1" NPSH Cap	S	S	S
	1-1/2" NPSH Cap	S	S	S
	Instantaneous Coupling	S	S	S
Electric Start	12V Battery	—	—	S
Dry Weight		112 lbs (52.5 kg)	142 lbs (64.3 kg)	160 lbs (72.4kg)

Standard s
Not Applicable —

TECHNICAL DRAWINGS

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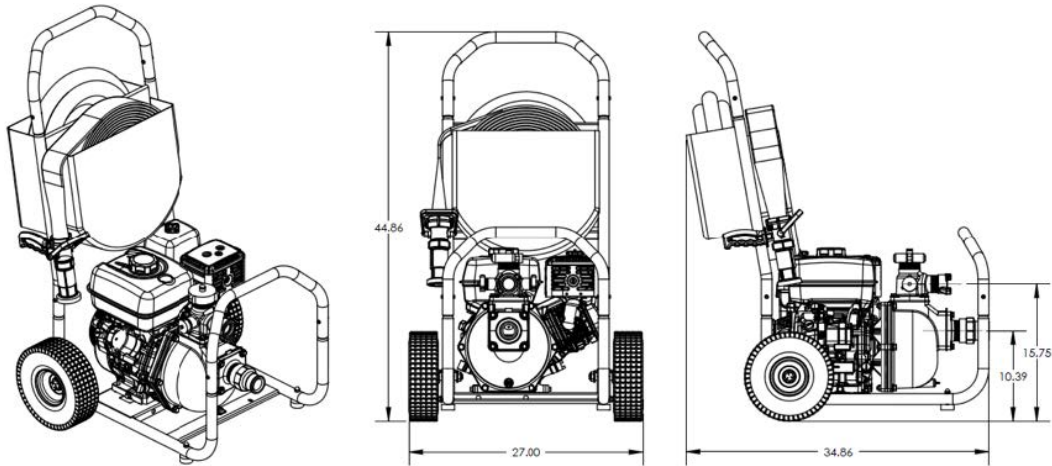
CADET-6

Length 34.86" (88.5 cm)

Width 27" (68.6 cm)

Height 44.86" (113.9 cm)

Weight 112 lbs (52.5 kg)



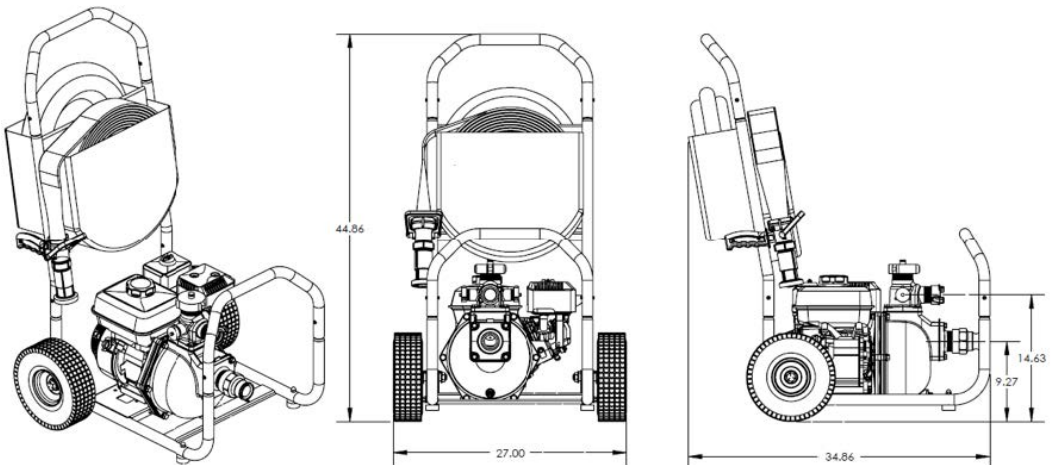
CADET-9

Length 34.86" (88.5 cm)

Width 27" (68.6 cm)

Height 44.86" (113.9 cm)

Weight 142 lbs (64.3 kg)



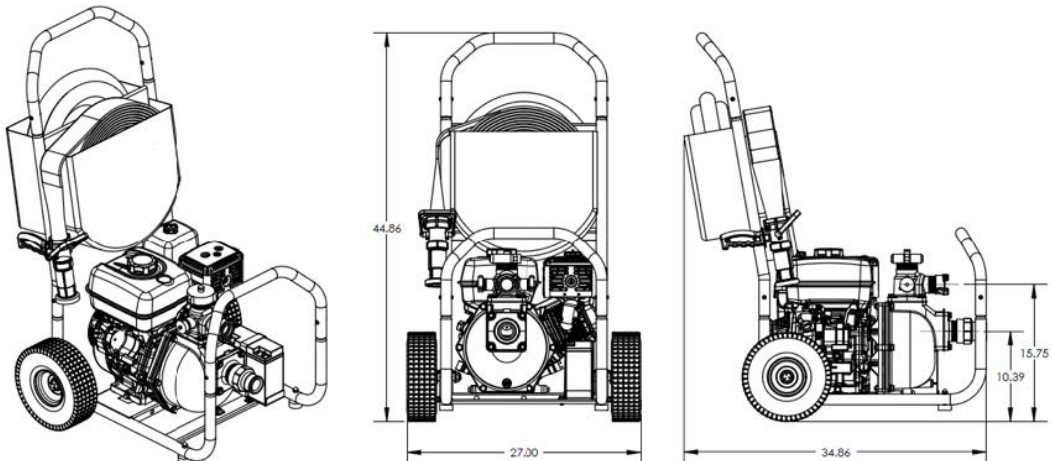
CADET-9E

Length 34.86" (88.5 cm)

Width 27" (68.6 cm)

Height 44.86" (113.9 cm)

Weight 160 lbs (72.4 kg)





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