



APPLICATIONS

- > Firefighting
- > Tanker to tanker water transfer
- > High head general water transfer
- > Sheep jetting
- > Irrigation
- > Boom spraying



5155H with
Honda GX160
Engine

DAVEY Firefighter®

Single Stage High Performance Engine Driven Pumps

Model Numbers:
5155H, 5165H, 5165HE & 5165B

Rugged, economical single stage self priming pump. These units are driven by either a Briggs & Stratton "Vanguard" engine, a Honda GX160 engine or a Honda GX200 engine. The GX200 engine is also available in electric start.

WHY CHOOSE THE DAVEY FIREFIGHTER SINGLE STAGE PUMPS?

Patented clamped impeller design to enable longer impeller life, improved performance and easier disassembly in the case of blockage.

Single stage design provides the versatility of high flow rates with strong pressure.

Thrust balanced impeller design to extend engine life.

Pump casing, diffusers and impellers manufactured from quality corrosion resistant marine grade aluminium for long life.

Choice of 3 or 4 way (dependant upon model chosen) discharge port for easy installation with a choice of plumbing sizes.

Polyester coated pump casing, exterior and interior, for added corrosion resistance.

Patented floating impeller neckrings front and back. The front neckring helps improve pumping efficiency, the back neckring helps extend seal life and dramatically reduce engine wear.

Self priming from 23' for more versatile installation options.

Large priming and drain port with bayonet fit plugs. Plugs have safety retention system, plus are available with 1/4" tapping to accept pressure gauges or drain cocks.

Low-oil protection on all models – engines won't start or run if oil level is inadequate, thus protecting your engine.

Electric start models have electric starter (battery and leads required) and recoil starter fitted, ensures a choice of starting methods, even if the battery is flat or removed.

Available with Viton seals.

All engines conform to the tough environmental requirements of the USA EPA and CARB standards, to help look after the environment.



High Performance Engine Driven Pumps

OPERATING LIMITS

Flow capacities to	130 usg/min	
Maximum total head	236'	
Maximum suction lift	23'	
Maximum water temperature	122°F	
Minimum water temperature	33°F	
Maximum casing pressure	145 psi	
Minimum suction pipe size	1 1/2"	
Suction pipe strainer	Required	
Inlet size*	1 1/2" or 2"	
Outlet sizes*	3 Way –	1 x 1 1/2" (M) 2 x 1" (M)
	3 Way –	1 x 2" (M) 2 x 1" (M)
	4 Way –	2 x 1 1/2" (M) 2 x 1" (M)

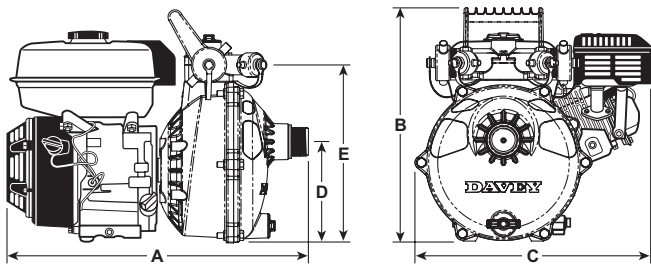
*Dependant upon model chosen

ENGINE DATA

Single Stage Pump Model	5155H	5165H	5165HE	5165B
Engine brand	Honda			B&S
Engine model	GX160	GX200	GX200E	Vanguard
Engine type	Overhead valve			
Displacement (cc)	163	196	196	182
Fuel tank (gallons)	0.9	0.9	0.9	1.1
Oil capacity (pints)	1.2	1.2	1.2	1.3
Compression ratio	8.5 : 1			
Air filter type	Twin stage – foam prefilter with paper element final filter			
Spark arrestor	YES	YES	YES	YES
Approximate fuel consumption @ full load @ 3600 rpm	0.46 gal/hr	0.54 gal/hr	0.54 gal/hr	0.51 gal/hr
dBa @ 13' @ 3600 rpm @ full head	85	86	86	75

DIMENSIONS (INCHES)

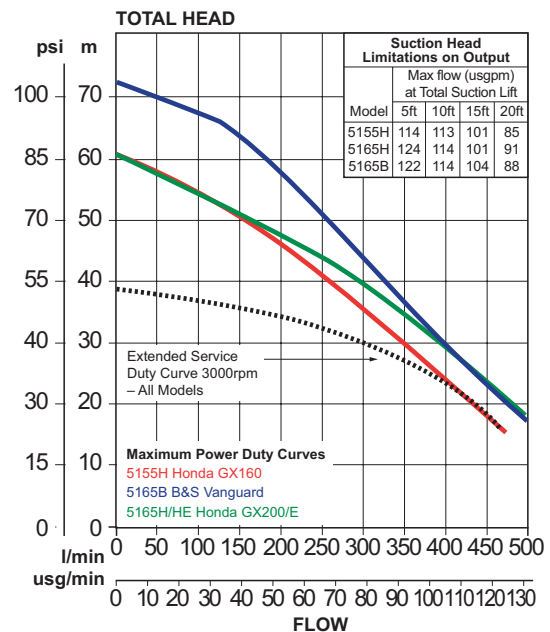
Model	A	B	C	D	E	Inlet	Outlet	Net Weight (lb)
5155H	17.5	15.3	15.3	6.7	11.7	1 1/2" M	2x1" M 2x1 1/2" M	46
5165H	20.1	15.3	15.8	6.7	11.7	1 1/2" M	2x1" M 2x1 1/2" M	48
5165HE	20.1	15.3	15.8	6.7	11.7	1 1/2" M	2x1" M 2x1 1/2" M	49
5165B	20.1	15.3	15.6	6.7	11.7	1 1/2" M	2x1" M 2x1 1/2" M	49



MATERIALS OF CONSTRUCTION

PART	MATERIAL
Suction cover	Marine grade aluminum (AS605)
Diffuser	Marine grade aluminum (AS605)
Impeller	Marine grade aluminum (AS605)
Casing / yoke	Marine grade aluminum (AS605)
Mechanical seal	Carbon / ceramic
Discharge / handle	Marine grade aluminum (AS605)
Casing bolts	Zinc plated steel
Yoke bolts	Stainless steel
Flap valve / seal ring	Zinc body, hytrel seal
Neck ring, priming and drain plug	Glass filled nylon
Casing, priming & drain plug o-ring	Nitrile rubber
Discharge gasket	Hytrel
Paint finish	Baked polyester powder coat

HYDRAULIC PERFORMANCE



INSTALLATION AND PRIMING

- Fit strainer to bottom of suction pipe; a foot valve is not required.
- To prime, fill pump body with water then allow pump to run until drawing water.