



SELF PRIMING PUMPS

DAVEY®

5155H with
Honda GX160
Engine



DAVEY® Firefighter® Single Stage Self Priming Pump

Model Numbers: 5155H, 5155H23W, 5165H, 5165HE, 5165HV3, 5165HV13W, 5165H23W & 5165B

Rugged, economical single stage self priming pump. These units are driven by either a 6.5hp Briggs & Stratton "Vanguard" engine, a 5.5hp Honda GX160 engine or a 6.5hp Honda GX200 engine. The GX200 engine is also available in electric start.

APPLICATIONS

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

WHY CHOOSE Firefighter® SINGLE STAGE SELF PRIMING 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 7m 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.

"HV3" models come with Viton® seal, orings, gaskets, caps etc. fitted for improved chemical resistance. (Please seek specialist advice from chemical supplier if pumping chemicals. Use of aggressive chemicals may void warranty.)

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

DEPEND ON
DAVEY

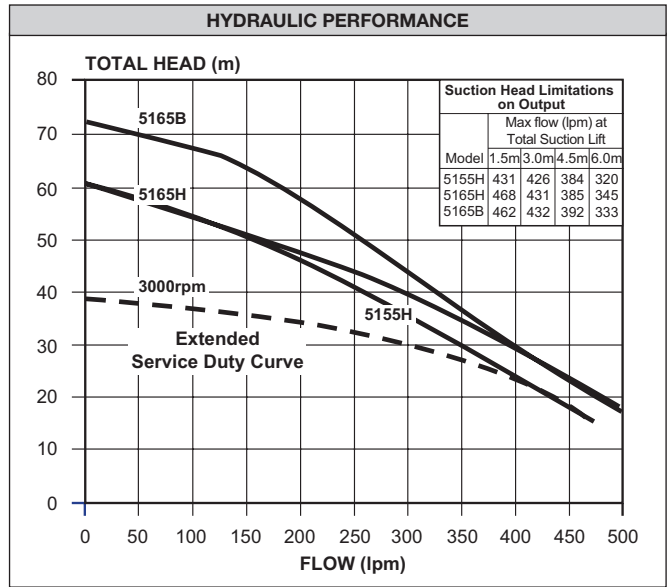
WATER PRODUCTS

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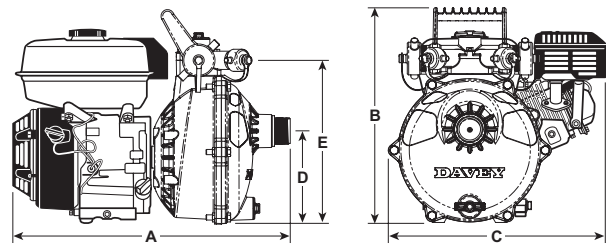
OPERATING LIMITS		
Flow capacities to	500 lpm	
Maximum total head	72m	
Maximum suction lift	7m	
Maximum water temperature	50°C	
Minimum water temperature	1°C	
Maximum casing pressure	1000kPa	
Minimum suction pipe size	1 1/2"	
Suction pipe strainer	Required	
Inlet size*	1 1/2" or 2"	
Outlet sizes*	3 Way -	1 x 1 1/2" BSP(M) 2 x 1" BSP(M)
	3 Way -	1 x 2" BSP(M) 2 x 1" BSP(M)
	4 Way -	2 x 1 1/2" BSP(M) 2 x 1" BSP(M)
*Dependant upon model chosen		

MATERIALS OF CONSTRUCTION	
Part	Material
Suction cover	Marine grade aluminium (AS605)
Diffuser	Marine grade aluminium (AS605)
Impeller	Marine grade aluminium (AS605)
Casing / yoke	Marine grade aluminium (AS605)
Mechanical seal	Carbon / ceramic
Discharge / handle	Marine grade aluminium (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 and drain plug oring	Nitrile rubber
Discharge gasket	Hytrel
Paint finish	Baked polyester powder coat

Single Stage Pump Model	ENGINE DATA			
	5155H 5155H23	5165H 5165HV3 5165HV13W 5165H23W	5165HE	5165B
Engine brand	Honda			B&S
Engine model	GX160	GX200	GX200E	Vanguard
Engine type	Overhead valve			
Max. hp @ 3600 rpm	5.5	6.5	6.5	6.0
Displacement (cc)	163	196	196	182
Fuel tank (litres)	3.6	3.6	3.6	4.0
Oil capacity (litres)	0.6	0.6	0.6	0.7
Compression ratio	8.5 : 1			
Air filter type	Twin stage – foam prefilter with paper element final filter			
Spark arrestor	NO	NO	NO	YES
Approximate fuel consumption @ full load @ 3600 rpm	1.73 l/hr	2.05 l/hr	2.05 l/hr	1.93 l/hr
dBa @ 4m @ 3600 rpm @ full head	85	86	86	75



DIMENSIONS (mm)								
Model	A	B	C	D	E	Inlet BSP	Outlet BSP	Net Weight (kg)
5155H	445	388	388	169	296	1 1/2"M	2x1"M 2x1 1/2"M	21
5155H23W	445	388	388	169	296	2"M	1x2"M 2x1"M	21
5165H	510	388	402	169	296	1 1/2"M	2x1"M 2x1 1/2"M	22
5165HE	510	388	402	169	296	1 1/2"M	2x1"M 2x1 1/2"M	22.5
5165HV13W	510	388	402	169	296	1 1/2"M	1x1 1/2"M 2x1"M	22
5165HV3	510	388	402	169	296	2"M	1x2"M 2x1"M	22
5165H23W	510	388	402	169	296	2"M	1x2"M 2x1"M	22
5165B	535	388	395	169	296	1 1/2"M	2x1"M 2x1 1/2"M	22.5



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