Depend on Davey



#### **APPLICATIONS**

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



# **Firefighter**

## Twin Stage Self Priming Pump

Model Numbers: 5255H, 5255H23W, 5265H, 5265HE, 5265HV3, 5265HV13W, 5265H23W & 5265B

Rugged, economical twin 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 DAVEY Firefighter® Twin Stage Self Priming Pumps?

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

Twin impeller design provides extra strong pressure for longer and higher pumping applications.

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 neckrings help improve pumping efficiency, the back neckrings help extend seal life and dramatically reduce engine wear.

Self priming from 6m 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, CARB and the proposed Australian Emissions Standards, to help look after the environment.

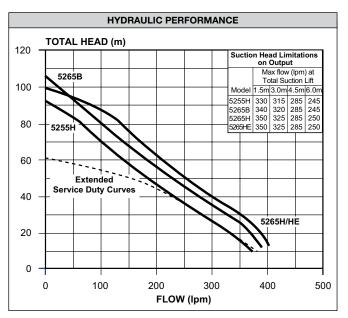




## Firefighter® Twin Stage Self Priming Pump

OPERATING LIMITS					
Flow capacities to	400 lpm				
Maximum total head	106m				
Maximum suction lift	7m				
Maximum water temperature	0°C				
Minimum water temperature	1°C				
Maximum casing pressure	1600kPa				
Minimum suction pipe size	11	/2"			
Suction pipe strainer	Required				
Inlet size*	1 <sup>1</sup> /2" or 2"				
Outlet sizes*	3 Way –	1 x 1 <sup>1</sup> /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 <sup>1</sup> /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			



*Dependant up	on model chosen

ENGINE DATA					
Single Stage Pump Model	5255H 5255H23			5265B	
Engine brand	Honda B&S				
Engine model	GX160	GX200	GX200E	Vanguard	
Engine type	Overhead valve				
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	YES	YES	YES	YES	
Approximate fuel consumption @ full load @ 3600 rpm	2.08 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	Α	в	с	D	Е	Inlet BSP	Outlet BSP	Net Weight (kg)	· · · · · · · · · · · · · · · · · · ·
5255H	515	389	388	170	297	11/2"M	2x1"M 2x1 <sup>1</sup> /2"M	23	
5255H23W	515	389	388	170	297	2"M	1x2"M 2x1"M	23	
5265H	580	389	402	170	297	1 <sup>1</sup> / <sub>2</sub> "M	2x1"M 2x1 <sup>1</sup> /2"M	24	
5265HV3	580	389	402	170	297	2"M	1x2"M 2x1"M	24	
5265HV13W	580	389	402	170	297	1 <sup>1</sup> / <sub>2</sub> "M	1x1 <sup>1</sup> /2"M 2x1"M	24	
5265H23W	580	389	402	170	297	2"M	1x2"M 2x1"M	24	
5265HE	580	389	402	170	297	1 <sup>1</sup> / <sub>2</sub> "M	2x1"M 2x1 <sup>1</sup> /2"M	24.5	
5265B	605	389	395	170	297	1 <sup>1</sup> / <sub>2</sub> "M	2x1"M 2x1 <sup>1</sup> /2"M	27.5	

#### 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.



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This literature is not a complete guide to product usage. Further information is available from your Davey Dealer, Davey Support Centre and from the relevant product Installation and Operating Instructions. Must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice. (a) Davey is a registered trademark of Davey Water Products Pty Ltd. (a) Davey Water Products Pty Ltd 2016.