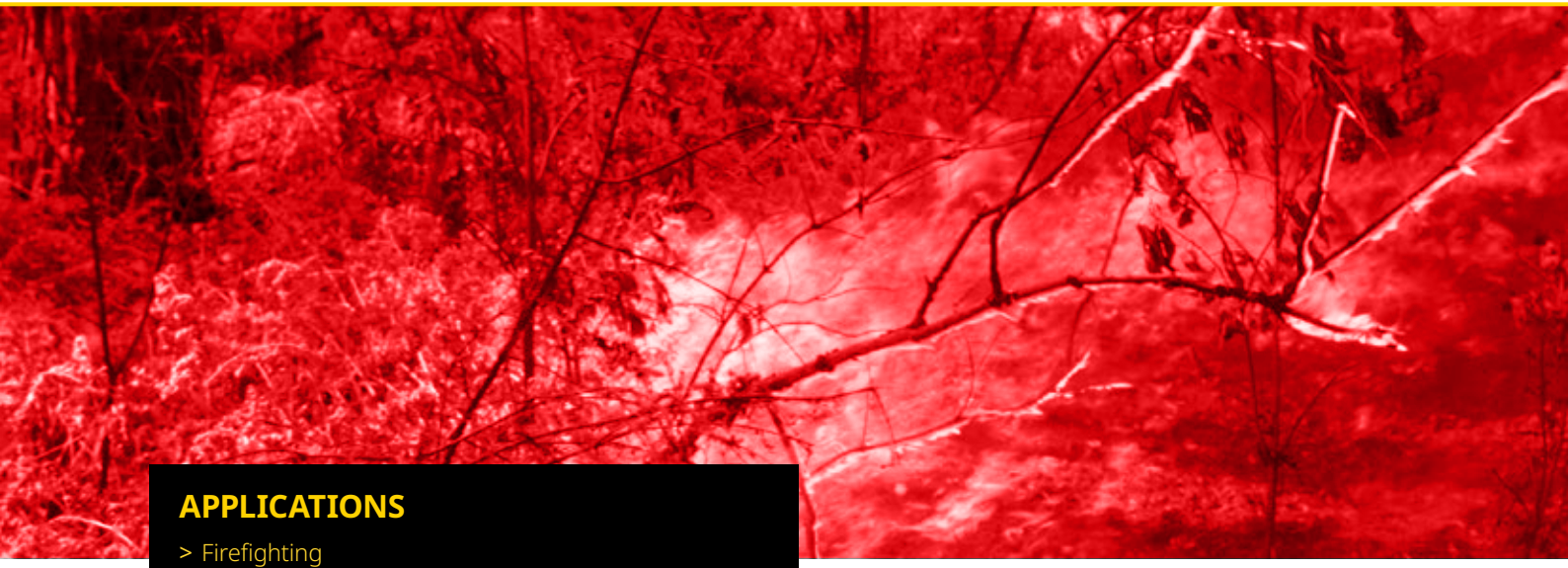
DAVEY



APPLICATIONS

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

5255H with Honda GX160 Engine

DAVEY 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.

proudly australian since 1934

MEETS PROPOSED AUSTRALIAN EMISSIONS STANDARDS
www.blueskyalliance.com.au

Self Priming Pumps

DAVEY

OPERATING LIMITS

Flow capacities to	400 lpm	
Maximum total head	106m	
Maximum suction lift	7m	
Maximum water temperature	50°C	
Minimum water temperature	1°C	
Maximum casing pressure	1600kPa	
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

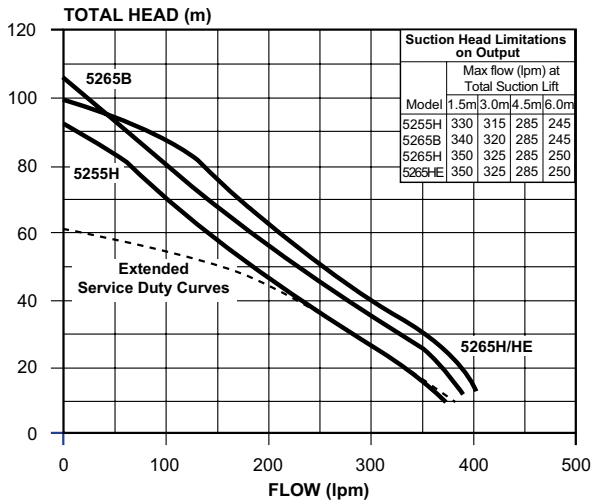
MATERIALS OF CONSTRUCTION

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 o-ring	Nitrile rubber
Discharge gasket	Hytrel
Paint finish	Baked polyester powder coat

ENGINE DATA

Twin Stage Pump Model	5255H 5255H23	5265H 5265HV3 5265HV13W 5265H23W	5265HE	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

HYDRAULIC PERFORMANCE

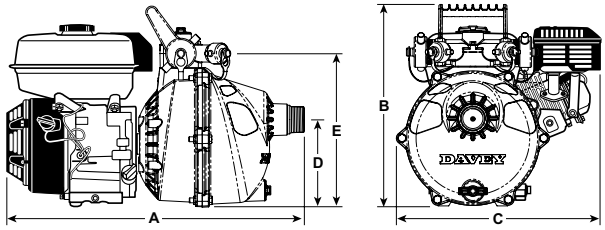


Suction Head Limitations on Output

Model	Max flow (lpm) at Total Suction Lift 1.5m	3.0m	4.5m	6.0m
5255H	330	315	285	245
5265B	340	320	285	245
5265H	350	325	285	250
5265HE	350	325	285	250

DIMENSIONS (MM)

Model	A	B	C	D	E	Inlet BSP	Outlet BSP	Net Weight (kg)
5255H	515	389	388	170	297	1 1/2"M	2x1"M 2x1 1/2"M	23
5255H23W	515	389	388	170	297	2"M	1x2"M 2x1"M	23
5265H	580	389	402	170	297	1 1/2"M	2x1"M 2x1 1/2"M	24
5265HV3	580	389	402	170	297	1 1/2"M	2x1"M 2x1 1/2"M	24
5265HV13W	580	389	402	170	297	1 1/2"M	1x1 1/2"M 2x1"M	24
5265H23W	580	389	402	170	297	2"M	1x2"M 2x1"M	24
5265HE	580	389	402	170	297	2"M	1x2"M 2x1"M	24.5
5265B	605	389	395	170	297	1 1/2"M	2x1"M 2x1 1/2"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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