

DAVEY

Firefighter®



Model Number:
5255H*, 5265H*, 5265HE,
5265HEV, 5265HV



RUGGED, ECONOMICAL TWIN STAGE SELF PRIMING PUMP

APPLICATION

Ideal for firefighting, tanker to tanker water transfer, high head general water transfer, sheep jetting, irrigation and boom spraying.

FEATURES & BENEFITS

- **Driven by either a Honda GX160 or a Honda GX200 engine** which is specially designed for domestic or infrequent use. The GX200 engine is also available in electric start.
- **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.
- **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 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.
- **"HV" 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.

*Only 5255H & 5265H are fitted with roll frames

Self Priming Pumps

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"

*Dependant upon model chosen

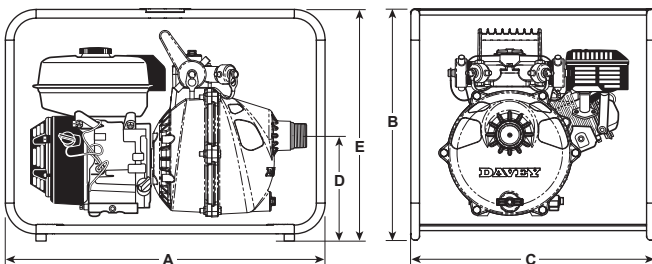
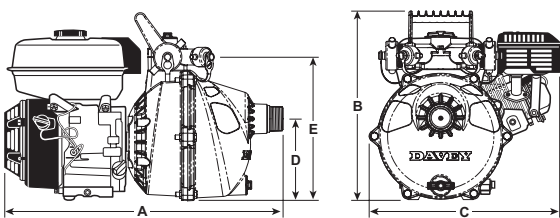
ENGINE DATA

Twin Stage Pump Model	5255H	5265H 5265HV	5265HE 5265HEV
Engine brand	Honda		
Engine model	GX160	GX200	GX200E
Engine type	Overhead valve		
Displacement (cc)	163	196	196
Oil capacity (litres)	0.6	0.6	0.6
Compression ratio	8.5 : 1		
Air filter type	Twin stage – foam prefilter with paper element final filter		
Spark arrestor	YES	YES	YES
dBa @ 4m @ 3600 rpm @ full head	85	86	86

DIMENSIONS (MM)

Model	A	B	C	D	E	Inlet BSP	Outlet BSP	Net Weight (kg)
5255H*	605	450	410	195	322	1 1/2"M	2x1"M 2x1 1/2"M	28
5265H*	605	450	410	195	322	1 1/2"M	2x1"M 2x1 1/2"M	29
5265HV	580	389	402	170	297	1 1/2"M	2x1"M 2x1 1/2"M	28
5265HE	580	389	402	170	297	1 1/2"M	2x1"M 2x1 1/2"M	29.5
5265HEV	580	389	402	170	297	1 1/2"M	2x1"M 2x1 1/2"M	29.5

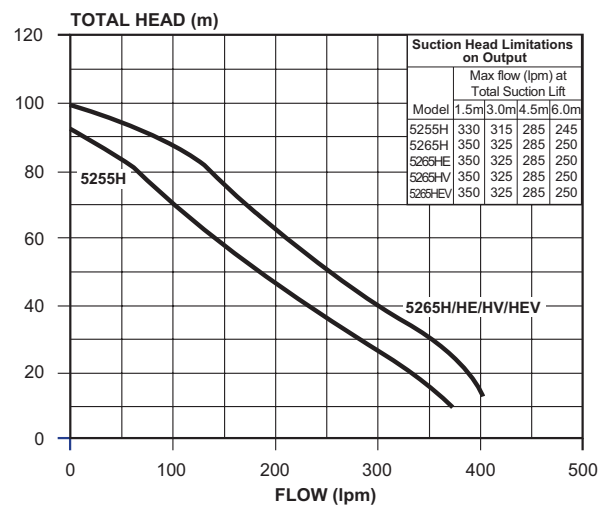
*Dimensions and weight includes supplied frame as pictured



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

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.