DAVEY
Firefighter®

5155H with Honda GX160 Engine

Model Numbers:
5155H, 5155H3, 5155HV, 5165H, 5165HE, 5165H23W, 5165HQ

FARM & IRRIGATION

RUGGED, ECONOMICAL SINGLE STAGE ENGINE DRIVEN PUMP

APPLICATION

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

FEATURES & BENEFITS

- **Driven by a Honda GX160 or GX200 engine.** The GX200 engine is also available in electric start.

- **Patented clamped impeller design** to enable longer impeller life and easier disassembly in 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 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** help improve pumping efficiency and extend seal life, dramatically reducing engine wear

- **Self priming from 7m** for more versatile installation options

- **Large priming and drain port with bayonet fit plugs** to accept pressure gauges or drain cocks

- **Low-oil protection on all models** to protect your engine

- **"HE" (electric start models) have electric starter and recoil starter fitted** to ensure a choice of starting methods, even if the battery is flat or removed

- **"HV" models come with Viton seal, o-rings, 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

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Single Stage Engine Driven Pump

OPERATING LIMITS

Flow capacities to	500 L/min
Maximum total head	72m
Maximum suction lift	7m
Maximum water temperature	50ºC
Minimum water temperature	1ºC
Maximum casing pressure	1000kPa
Minimum suction pipe size	1^1/$_2$"
Suction pipe strainer	Required
Inlet size*	1^1/$_2$" or 2"

*Dependant upon model chosen

ENGINE DATA

Single Stage Pump Model	5155H 5155H3 5155HV	5165H 5165H23W 5165HQ	5165HE
Engine brand	Honda		
Engine model	GX160	GX200	GX200E
Engine type	Overhead valve		
Displacement (cc)	163	196	
Fuel tank (litres)	3.1		
Oil capacity (litres)	0.6		
Compression ratio	8.5 : 1		
Air filter type	Twin stage – foam prefilter with paper element final filter		
Spark arrestor	YES		
Approximate fuel consumption @ full load @ 3600 rpm	1.7 L/hr		
dBa @ 4m @ 3600 rpm @ full head	85	86	

DIMENSIONS (mm)

Model	A	B	C	D	E	Inlet BSP	Outlet BSP	Net Weight (kg)
5155H*	605	450	410	194	321	1^1/$_2$"M	2x1"M 2x1^1/$_2$"M	25
5155H3	445	388	388	169	296	1^1/$_2$"M	1x1^1/$_2$"M 2x1"M	25
5155HV	445	388	388	169	296	1^1/$_2$"M	2x1"M 2x1^1/$_2$"M	25
5165H*	605	450	410	194	321	1^1/$_2$"M	2x1"M 2x1^1/$_2$"M	26
5165H23W	510	388	402	169	296	2"M	1x2"M 2x1"M	22
5165HQ	510	388	402	169	296	2"M	1x1^1/$_2$"M 2x1"M	26
5165HE	510	388	402	169	296	1^1/$_2$"M	1x2"M 2x1^1/$_2$"M	29

*Dimensions and weight includes supplied frame as pictured
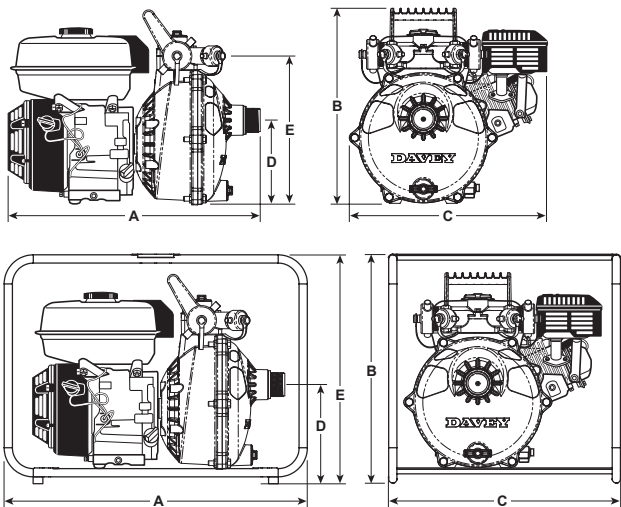
*Dimensions for 5155H and 5165H only.

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

Suction Head Limitations on Output				
	Max flow (lpm) at Total Suction Lift			
Model	1.5m	3.0m	4.5m	6.0m
5155H	431	426	384	320
5165H	468	431	385	345
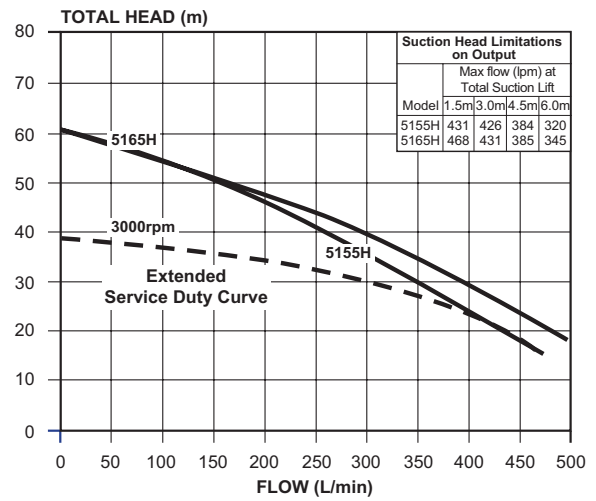
INSTALLATION AND PRIMING

- 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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