DAVEY



DAVEY Firefighter®

Model Number:
5150P

APPLICATIONS

Ideal for firefighting, tank filling, irrigation, garden watering, water transfer and crop spraying.

BARE SHAFT FIREFIGHTER MODELS

FEATURES & BENEFITS

Bare Shaft self priming pump designed to be direct coupled to an engine or electric motor, or belt driven.

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

Thrust balanced impeller design to extend bearing 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.

Epoxy 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 bearing load.

Self priming from 8m 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.

"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.)

Bare Shaft Firefighters

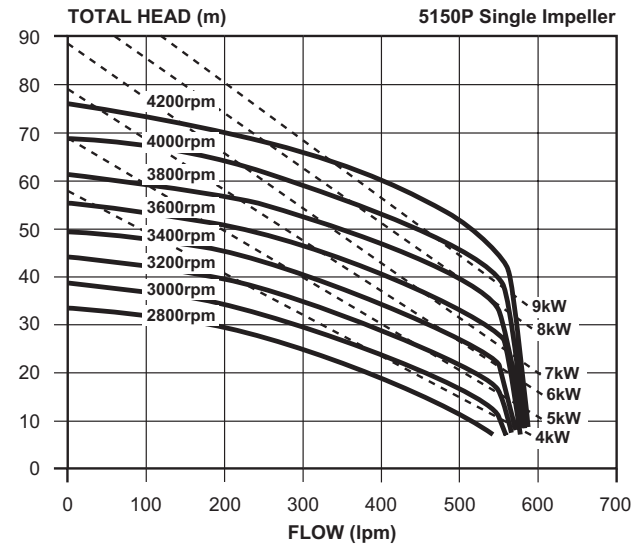
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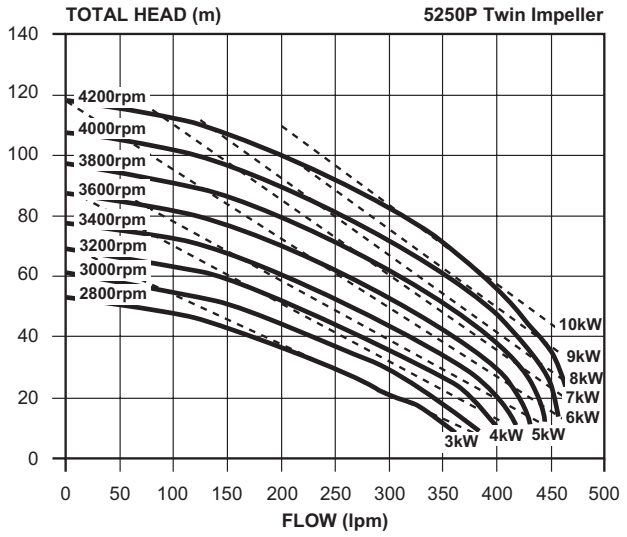
OPERATING LIMITS		
Model	5150P	5250P
Flow capacities to	560 lpm	470 lpm
Maximum total head	76m	120m
Maximum suction lift	8m	7m
Maximum pump speed	4250 rpm	
Maximum water temperature	50°C	
Minimum water temperature	1°C	
Minimum suction pipe size	1 1/2"	
Suction pipe strainer	Required	
Inlet size*	1 1/2" or 2"	
Outlet sizes*	3 Way – 5250PV3 only	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)
Bearing housing	Marine grade aluminium (AS605)
Pump shaft	303 Stainless steel
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

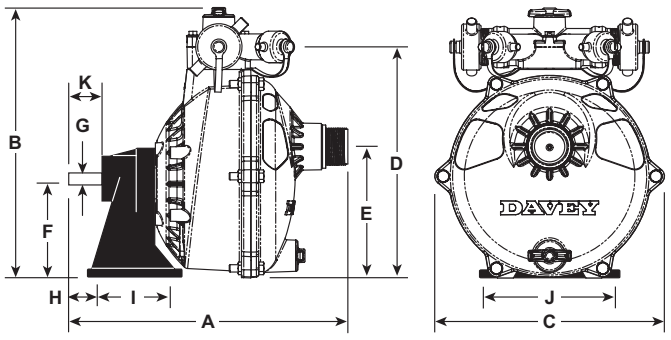
HYDRAULIC PERFORMANCE





DIMENSIONS (mm)														
Model	A	B	C	D	E	F	G	H	I	J	K	Inlet BSP	Outlet BSP	Net Weight (kg)
5150P	378	347	298	169	296	115.8	19.05	29	82.5	146.1	69	1 1/2"	2x1"M 2x1 1/2"M	6
5250P	448	347	298	169	296	115.8	19.05	29	82.5	146.1	69	1 1/2"	2x1"M 2x1 1/2"M	8
5250PV3	448	347	298	169	296	115.8	19.05	29	82.5	146.1	69	2"	1x2"M 2x1"M	8

Key size: 3/16"(W) x 3/16"(D) x 1 1/4"(L). Mounting holes: 4x10mm.
All dimensions in mm unless otherwise stated.



INSTALLATION AND PRIMING

- Power output of chosen prime mover should be 15% more than the maximum required by the pump for speed selected (see performance curve). This is to allow for transmission losses.
- Mount pump and prime mover on substantial common base.
- A two piece coupling with resilient joiner drive is recommended. Do not use rigid sleeve coupling.
- 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.

H/O & MFG SCORESBY
Certified System Quality ISO 9001
Certified System Environment ISO 14001

daveywater.com

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