

FIREFIGHTER® PRO

Model Numbers: 5190BE, 5190HE,
5113BE & 5113HE

DEPEND ON
DAVEY

WATER PRODUCTS

SELF PRIMING PUMPS

PRODUCT DESCRIPTION

Rugged, economical, single impeller, self priming pump. These units are driven by either a 296cc or 391cc Briggs & Stratton "Vanguard" engine or a 270cc or 389cc Honda GX/E engine, fitted with an electric start.

APPLICATIONS

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



FEATURES & BENEFITS

Heavy duty wide vane impeller for longer life, improved performance and easier cleaning in the case of blockage.

Single impeller 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.

NEW 3 way discharge port for easy installation with a choice of plumbing sizes. The NEW 3 way discharge is easily adapted to the old 3 way outlets.

Polyester coated pump casing, exterior and interior, for added corrosion resistance.

Self priming from up to 6m for more versatile installation options.

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.

Huge 1½" priming port for extra quick filling.

Large drain port with bayonet fit plugs. Plugs have safety retention system.

Low-oil protection on all models - engines won't start or run if oil level is inadequate, thus protecting your engine.

All engines feature cast iron cylinder bore for long life.

Electric starter (12Vac 30Amp hour battery and leads required) and recoil starter fitted, ensures a choice of starting methods, even if the battery is flat or removed.

Viton seal and oring kit available for herbicide/insecticide spraying.

OPERATING LIMITS

| | |
|---------------------------|----------------------------------|
| Flows to | 900lpm |
| Maximum total Pressure | 529 kPa |
| Maximum suction Lift | 6m |
| Maximum water temperature | 50°C |
| Minimum water temperature | 1°C |
| Minimum suction pipe size | 2" |
| Suction pipe strainer | Required |
| Inlet size | 2" BSP(M)* |
| Outlet sizes | 1 x 2" BSP(M)• 2 x 1" BSP(M)• |
| Priming port | 1 x 1½" BSP(M)* |

* NPT thread available on request.

- 1x1½" & 2x1" NPT outlet tee available on request.



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TECHNICAL SPECIFICATIONS

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 |
| 3 way discharge | Marine grade aluminium (AS605) |
| Casing bolts | Zinc plated steel |
| Yoke bolts | Stainless steel |
| Flap valve / seal ring | Zinc body, Hytrel seal |
| Neck ring, priming & drain plug | Glass filled Nylon |
| Casing, priming & drain plug oring | Nitrile rubber |
| Discharge gasket | Hytrel |
| Paint finish | Baked polyester powder coat |

ENGINE SPECIFICATIONS

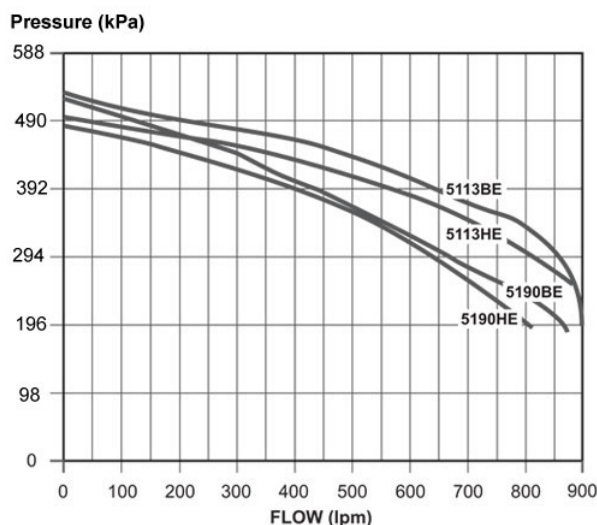
| Engine Brand | Briggs & Stratton | Honda | Briggs & Stratton | Honda |
|--|-------------------|---------|-------------------|---------|
| Engine Model | Vanguard | GX270E | Vanguard | GX390E |
| Single Stage Pump Model | 5190BE | 5190HE | 5113BE | 5113HE |
| "Out of box" governed max engine speed @ no load | 4200rpm | 3800rpm | 4200rpm | 3800rpm |
| Displacement (cc) | 296 | 270 | 391 | 389 |
| Fuel Tank (litres) | 6.0 | 6.0 | 7.9 | 6.5 |
| Approx. fuel consumption @ full load @ 3600rpm | 3.16 | 3.05 | 4.68 | 3.25 |
| Running time per tank @ full load @ 3600rpm | 1.9 | 1.9 | 1.7 | 2.0 |
| Oil Capacity (litres) | 1.4 | 1.1 | 1.5 | 1.1 |
| Spark arrestor | Yes | | | |
| dBa @ 3600rpm @ full load | 79 @ 4m | 79 @ 7m | 81.5 @ 4m | 78 @ 7m |

INSTALLATION & 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

This literature is not a complete guide to product usage. Further information is available from your Davey dealer, Davey Customer Service Centre and from the relevant product Installation and Operating Instructions. This data sheet must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice.
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HYDRAULIC PERFORMANCE



DIMENSIONS

| Model | A | | | | * Inlet BSP | * Outlet BSP | * Priming Port BSP | Dry Weight (kg) |
|--------|-----|-----|-----|-----|-------------|------------------|--------------------|-----------------|
| | B | C | G | | | | | |
| 5190BE | 523 | 450 | 427 | 156 | 2" | 2 x 1" 1 x 2" | 1 1/2" | 35.6 |
| 5190HE | 507 | 450 | 435 | 155 | 2" | 2 x 1" 1 x 2" | 1 1/2" | 27.2 |
| 5113BE | 547 | 476 | 457 | 171 | 2" | 2 x 1" 1 x 2" | 1 1/2" | 41.5 |
| 5113HE | 532 | 445 | 455 | 161 | 2" | 2 x 1" 1 x 2" | 1 1/2" | 33.5 |

*NPT thread available on request.

• 1 1/2"x1" & 1"x2" NPT outlet tee available on request.

All dimensions in mm unless otherwise stated.



DEPEND ON
DAVEY

WATER PRODUCTS

D955-1b/0308/WEB supersedes D955-1/2K/0207/SC & D955-1a/0707/WEB



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