

## FIREFIGHTER® TWIN PRO

Model Numbers: 5290BE, 5290HE,  
5213BE & 5213HE

DEPEND ON  
**DAVEY**

## WATER PRODUCTS

### SELF PRIMING PUMPS

#### PRODUCT DESCRIPTION

Rugged, economical, twin 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.

Twin impeller design provides the versatility of high flow rates with extra 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	680lpm
Maximum total Pressure	1176 kPa
Maximum suction Lift	7m
Maximum water temperature	50°C
Minimum water temperature	1°C
Maximum casing pressure	1600kPa
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	S290BE	S290HE	S213BE	S213HE
"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

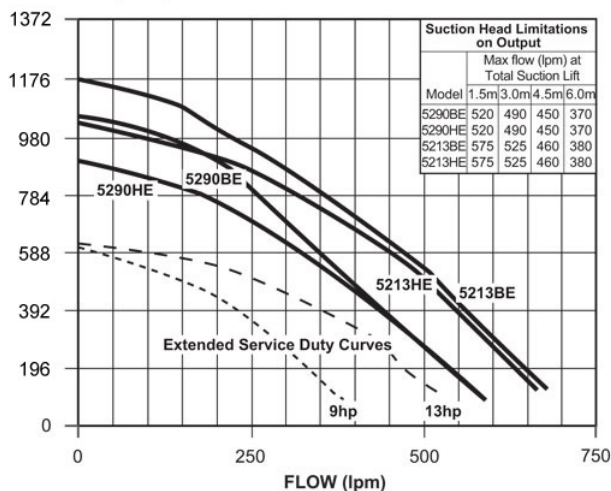
- Fit strainer to bottom of suction pipe; a foot valve is not required
- To prime, fill pump body with water then allow pump to run until drawing water

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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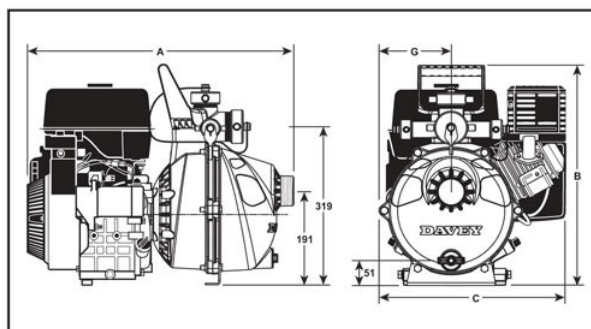


## HYDRAULIC PERFORMANCE

Pressure (kPa)



## DIMENSIONS



Model	A	B	C	G	* Inlet BSP	* Outlet BSP	Priming Port BSP	Dry Weight (kg)
S290BE	560	450	427	156	2"	2 x 1" 1 x 2"	1 1/2"	36.8
S290HE	544	450	435	155	2"	2 x 1" 1 x 2"	1 1/2"	28.4
S213BE	584	476	457	171	2"	2 x 1" 1 x 2"	1 1/2"	42.7
S213HE	569	445	455	161	2"	2 x 1" 1 x 2"	1 1/2"	34.7

\*NPT thread available on request.

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

All dimensions in mm unless otherwise stated.

DEPEND ON  
**DAVEY**

WATER PRODUCTS

D990b/0308/WEB supersedes D990/4K/0605/GPW & D990a/0707/WEB



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