



Depend on Davey

DAVEY

APPLICATIONS

- Firefighting
- External home fire protection sprinkler systems
- Tanker to tanker water transfer
- High head general water transfer
- Irrigation

WHY CHOOSE THE Davey Remote Start Firefighter?

For added security in a bushfire situation, or to eliminate travel time to a remotely located pump, the Davey Remote Start Firefighter provides a number of options for starting and stopping; manually, remotely via SMS or automatically.

Start options are:

- Electric (via key switch) or recoil starter
- SMS start (subject to subscription and reception)
 - Immediate, delayed start or timed run
- Heat sensors (Davey optional accessory P/N: 402939)
- Remote switch, e.g. float switch, panic button in house, etc.

The pump unit can only be stopped by the following methods:


- Key switch on engine turned to OFF position
- SMS stop signal or SMS timed run expired
- Engine stop due to no fuel remaining or oil alert system shut down


Multiple users can be registered to operate and receive SMS feedback

All registered users receive SMS feedback and warnings, such as:

- Pump Start and Pump Stop
- Battery Low
- General Status
- Engine Service and SIM Subscription reminders

The SIM in the unit's control centre is factory fitted and ready to use utilising the Telstra 3G network across Australia. Ongoing use of the SMS function is subject to reception and subscription status.





High Powered Twin Stage Self Priming Pump

Model Number: 5290HRS

Rugged, economical twin stage self priming pump with remote start/stop via SMS and auto start. These units are driven by a 270cc Honda iGX/E engine fitted with an electric start.

continued overleaf.



An annual SIM subscription is required to maintain SMS connection – go to my.daveywater.com to set up an account and arrange payment.

Davey model 5290HRS Remote Start Firefighter pumps are powered by Honda’s electronically managed iGX270 petrol engines. For easy starting the engine also has a fully automatic choke.

Electric starter (12V AC 28amp hour battery required) and recoil starter fitted, ensures a choice of starting methods, even if the battery is flat or removed.

The engine has dual preset speeds (3600rpm and 2800rpm) adjustable via a toggle switch on the side of the control centre. For all SMS or timer shutdown events the control centre will automatically set the run speed to the low setting for 15 seconds before allowing the engine to stop.

The Davey Firefighter pump end features:

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 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.

3 way discharge port for easy installation with a choice of plumbing sizes. The 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.

Viton seal and o-ring kit available for herbicide/insecticide spraying.

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 and drain plug	Glass filled nylon
Casing, priming and drain plug o-ring	Nitrile rubber
Discharge gasket	Hytrel
Paint finish	Baked polyester powder coat

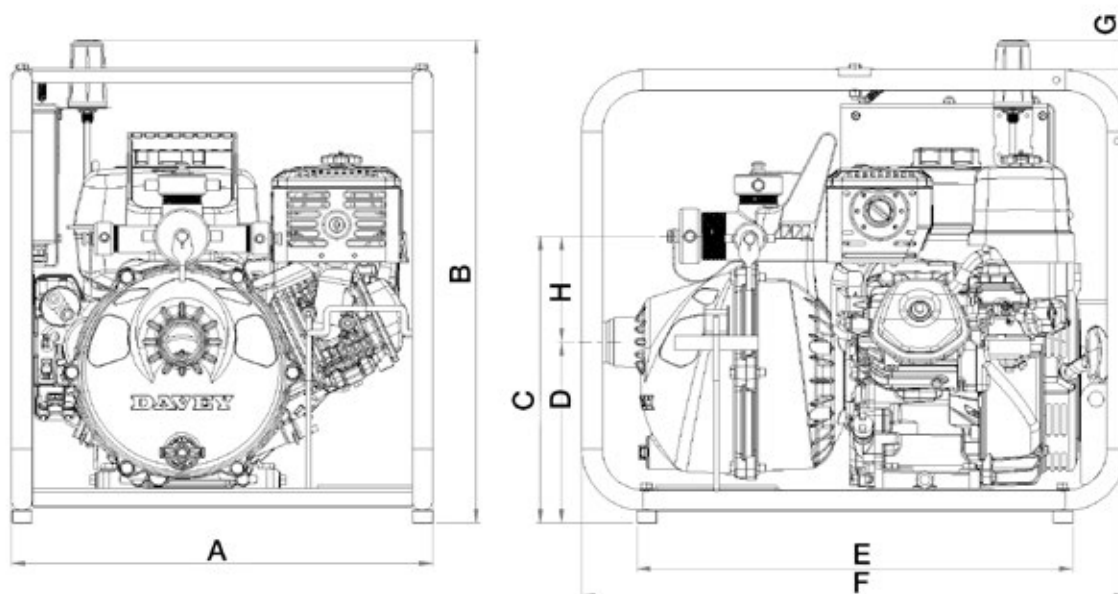
OPERATING LIMITS	
Flow capacities to	680 lpm
Maximum total head	120m
Maximum suction lift	7m
Maximum water temperature	50°C
Minimum water temperature	1°C
Maximum casing pressure	1600kPa
Minimum suction pipe size	2”
Suction pipe strainer	Required
Inlet size	2” BSP(M)
Outlet sizes	1 x 2” BSP(M)
	2 x 1” BSP(M)
Priming port	1 x 1½” BSP(M)

ENGINE SPECIFICATIONS	
Engine Brand	Honda
Engine model	iGX270E
“Out of box” governed max engine speed @ no load	3600rpm
Displacement (cc)	270
Fuel tank (litres)	6.0
Approx. fuel consumption @ full load @ 3600rpm	3.05
Running time per tank @ full load @ 3600rpm	1.9
Oil capacity (litres)	1.1
Spark arrestor	Yes
dBa @ 3600rpm @ full load	79 @ 7m

IMPORTANT NOTE

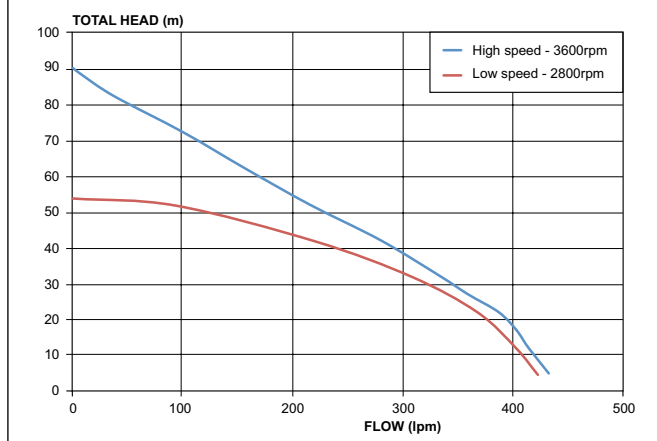
Davey recommend the addition of heat sensors to buildings which have been fitted with external sprinklers to ensure the pump will start in an emergency independent of the phone network, as during severe fire conditions SMS reception may be compromised. So even though the SMS is the last service to go down in an emergency, Davey cannot guarantee that even SMS service is not compromised in such an event.

DIMENSIONS (mm)



A (∅)	B	C	D	E	F	G	H	Dry Weight (kg)
521	597	355	224	540	675	37	131	38

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.

OPTIONAL ACCESSORIES

- **Mobility Kit:** Converts the Remote Start Firefighter from a stationary pump unit into a easily moved unit with wheels and handles: P/N 32946
- **Heat Sensors:** These are for external mounting on buildings, especially those with external fire protection sprinklers fitted. They are certified to AS5414-2012; Bushfire sprinkler systems for dwellings and are calibrated to trigger at 93°C. These allow for SMS network free automatic pump starting: P/N 402939

ITEMS NOT INCLUDED WITH THE PUMP AND REQUIRED

- Fuel, engine oil, water to pump, pipe and fittings
- **Battery:** 12V Lawn mower style battery recommended. Specific model recommendations in I&OI
- **Battery charger:** Trickle charger recommended for most uses – solar or mains

