



Experts in water.

DAVEY

APPLICATIONS

- Septic tank pump-out
- Tank filling
- Irrigation
- Water transfer
- Dewatering



DAVEY
Floodfighter[®]

Petrol & Diesel Powered Self Priming Pump

Model Numbers:

Petrol – G8016 Honda Recoil Start
G8016E Honda Electric Start

Diesel – G8027/SIC Yanmar Recoil Start
G8027E/SIC Yanmar Electric Start

Rugged, economical open impeller self priming pumps. These units are driven by either Honda overhead valve GX200 petrol engines or L70 diesel engines.

WHY CHOOSE THE DAVEY Floodfighter[®] Self Priming Pumps?

PUMP

Corrosion resistant marine grade aluminium casing, suction and discharge port for longer life.

Heavy duty cast iron open impeller & diffuser to extend pump life when pumping dirty water with some solids content.

Nitrile rubber seal and casing o-rings for improved reliability in varying water quality.

Mechanical shaft seal for long life.

Diesel models are equipped with special hard faced SICxSIC seals for extra long life with dirty water.

Able to self prime from 6m*, for improved versatility.

Includes powdercoated steel roll frame with anti-vibration mounting for easy transport.

*At 3600rpm, priming may be reduced at lower speeds.

ENGINE

Petrol

High quality Honda GX200 petrol engine, which has European Community and USA EPA and CARB environmental standards compliance.

Two stage air cleaner and cast iron sleeved cylinder bore for long engine life.

Low oil protection for operator peace of mind.

Diesel

High quality Yanmar L70 diesel engine, selected for a broad range of environments and altitudes to ensure ample engine reserves for most applications.

Starting Options

Both engine options are available with recoil starters or with electric start with recoil start back-up.

Note: Battery and leads not included



MATERIALS OF CONSTRUCTION

Part	Material
Suction cover	Aluminium
Diffuser	Cast iron
Impeller	Cast iron
Yoke & casing	Aluminium
Discharge	Aluminium
Casing bolts	Zinc plated steel
Yoke bolts	Stainless steel
Flap valve	Nitrile rubber
Seal ring	Nitrile rubber
Casing o-ring	Nitrile rubber
Mechanical seal	Carbon ceramic Silicon carbide
Petrol models	
Diesel models	

ENGINE SPECIFICATIONS

	G8016	G8027
Engine Brand	Honda	Yanmar
Engine Model	GX200	L70N5
Engine Type	Petrol	Diesel
Engine RPM	3600	3000
Displacement (cc)	196	320
Fuel Tank (litres)	3.6	3.5
Oil Capacity (litres)	0.6	1.1
Compression Ratio	8.5:1	19.5:1
Air Filter Type	Dual-Foam / Paper	Dry Element
Spark Arrestor	YES	NO
Approx. fuel consumption @ full load @ 3600rpm	2.05 l/hr	-
Approx. fuel consumption @ full load @ 3000rpm	-	1.55 l/hr
dB(A) @ 7m @ 3600rpm @ full load	79	-
dB(A) @ 7m @ 3000rpm @ full load	-	81

OPERATING LIMITS

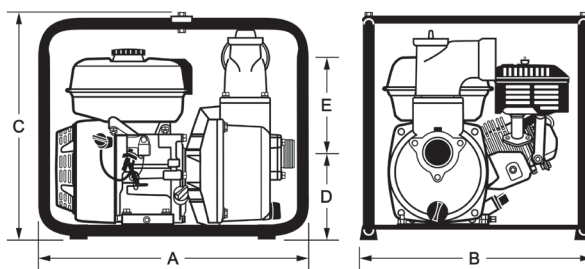
Max. flow to	1000 lpm
Max. Total Head	32m
Max. Suction Lift	7m
Max. Water Temperature	50°C
Min. Water Temperature	1°C
Min. Suction Pipe Size	3"
Inlet size	3" BSP(M)
Outlet size	3" BSP(M)

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.

DIMENSIONS



Model	A	B	C	D	E	Weight (kg)
G8016	510	410	430	180	170	31.0
G8027	595	435	550	220	170	44.0

All measurements in mm unless otherwise stated. Above illustration is indicative only for the diesel powered model. Add 1kg for Electric Start engine option.

HYDRAULIC PERFORMANCE

