

PETROL POWERED WATER MOVER

Model Numbers: **G8016 Honda Recoil Start**
G8016E Honda Electric Start
G8027/SIC Yanmar Recoil Start
G8027E/SIC Yanmar Electric Start

DEPEND ON

DAVEY

WATER PRODUCTS

SELF PRIMING PUMPS

PRODUCT DESCRIPTION

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

APPLICATIONS

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



FEATURES & BENEFITS

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 orings 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 & leads not included.

OPERATING LIMITS

Maximum flow to	1000 lpm
Maximum total Pressure	313 kPa
Maximum suction lift	7m
Maximum water temperature	50°C
Minimum water temperature	1°C
Minimum suction pipe size	3"
Inlet size	3"BSP(M)
Outlet size	3"BSP(M)



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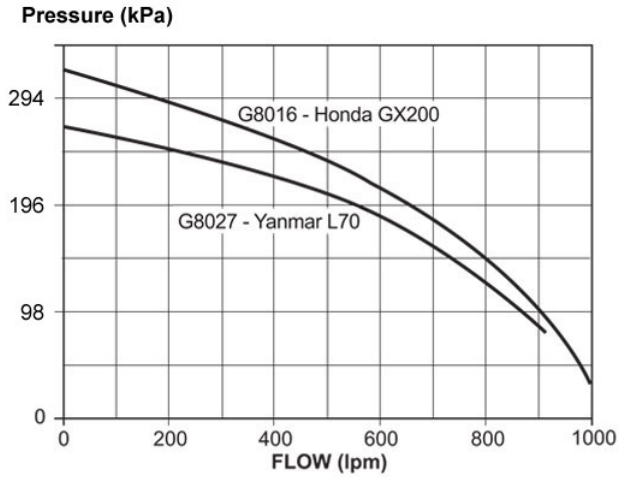
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TECHNICAL SPECIFICATIONS

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	
Petrol models	Carbon ceramic
Diesel models	Silicon carbide x silicon carbide

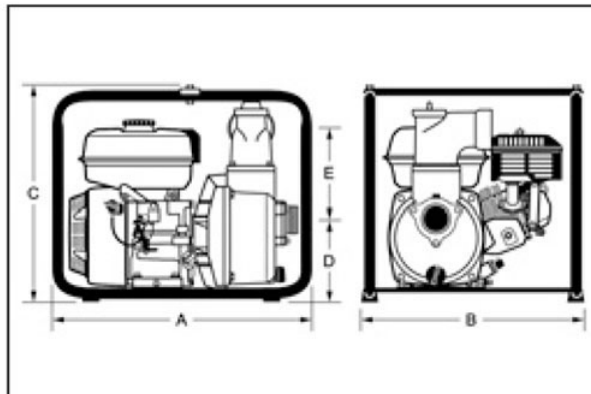
HYDRAULIC PERFORMANCE



ENGINE SPECIFICATIONS

Pump Model	G8016	G8027
Engine Brand	Honda	Yanmar
Engine Model	GX200	L70AE
Engine Type	Petrol	Diesel
Displacement (cc)	196	296
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	NO	
Approx. fuel consumption @ full load @ 3600rpm	2.05 l/hr	1.6 l/hr
dB(A) @ 7m @ 3600rpm @ full load	79	80.5

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

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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WATER PRODUCTS

DPM123-4/3K/0308/SC supersedes DPM123-3/3K/0207/SC



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