

DAVEY

Dynaprime



Model Number:
74101



ECONOMICAL, COMPACT SELF PRIMING PUMP

APPLICATION

Ideal for pumping clean or grey water with some small fibres or soft solids in such applications as water supply, water transfer, septic tank emptying and draining of water tanks.

FEATURES & BENEFITS

Flows up to 195L/min and heads up to 18m

PUMP

- 1 stage (single impeller)
- Open vane impeller
- Stainless steel impeller wear plate
- Inbuilt check valve
- Mechanical shaft seal
- Oring casing seal

MOTOR

- Davey manufactured
- TEFC with IP55 enclosure
- Class F insulation
- Double contact C3-HTG sealed bearings
- Inbuilt thermal overload protection
- Plastic feet on motor shell

BENEFITS

- Manufactured from quality corrosion resistant materials
- TEFC motor corrosion resistant and excludes dust and dirt
- Motor and pump designed for frequent starts
- Quick and easy installation
- Low maintenance
- Easy to service if required
- Quick self priming

Self Priming Pump

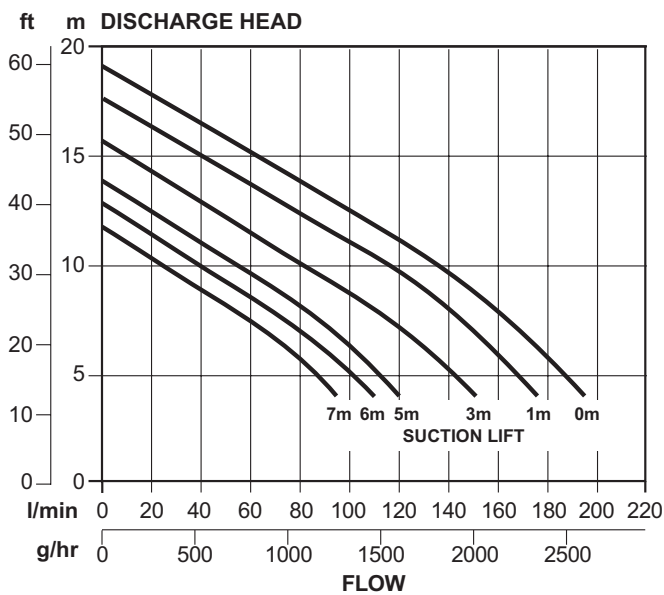
OPERATING LIMITS

Maximum self priming suction head	7.5m
Maximum water temperature	50°C
Minimum water temperature	1°C
Inlet size	1¼" BSP(F)
Outlet size	1¼" BSP(F)
Maximum ambient temperature	55°C
Maximum casing pressure	300kPa

ELECTRICAL DATA

Supply Voltage	220 – 250V ~
Supply Frequency	50Hz
Full load current	4.4A
Locked rotor current	18.0A
Input power P ₁	0.95kW
Output power P ₂	0.70kW
Enclosure class	IP55
Insulation class	F
Starting	P.S.C.

HYDRAULIC PERFORMANCE



MATERIALS OF CONSTRUCTION

PART	MATERIAL
Impeller	Glass filled nylon
Impeller wear plate	304 stainless steel
Pump casing	Glass filled noryl
Seal ring (rotating)	Carbon
Seal ring (stationary)	Ceramic
Seal spring	304 stainless steel
O-rings	Nitrile rubber
Check valve	Delrin
Priming plug	Glass filled nylon
Motor shell	Marine grade aluminium
Shell finish	Baked polyester

INSTALLATION AND PRIMING

- Installations with suction lift require a good quality foot valve to avoid loss of prime.
- To prime, fill pump body and suction line through priming plug hole located above suction inlet and replace plug.

DIMENSIONS (mm)

A	B	C	D	E	Mounting Holes Diam.	Inlet BSP	Outlet BSP	Net Weight (kg)
375	260	150	151	225	10 @ 140 centres	1¼"F	1¼"F	8.8

