

DAVEY

SumpPumps

Model Number:
D85A/B

WARRANTY
2 YEARS

APPLICATIONS

Ideally suited to rain water harvesting from deep tanks and applications requiring high lift or long pipe runs.

MULTISTAGE HIGH HEAD SUBMERSIBLE PUMP

FEATURES & BENEFITS

Corrosion resistant 304 stainless steel motor shell, shaft, strainer and fasteners
- Long service life
- Attractive, lasting appearance

AS4020 Certified safe for drinking water
- Worry free utilisation on domestic water supplies

Centrifugal multistage pump with 5 impeller design
- Hard wearing themo plastic impeller and stainless steel casing
- Closed vane impellers with long engagement "D" shaft design providing a robust and reliable operation
- Corrosion resistant shaft, pump body and fasteners

Automatic control
- Self contained pressure swtich activated controller

H07RN-F oil resistant power lead with 15m lead length and 3 pin plug
- Convienent 15m long power
- Provides for long life in all situations

Inbuilt thermal overload
- Protection for the pump in critical situations

Cycle Protection
- Pump is protected from over cycling by shutting down if 30 starts per hour are detected
- Easy power down resetting of the protection

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MATERIALS OF CONSTRUCTION	
PART	MATERIAL
Pump Body - Plastic	Polypropylene
Pump Body - Metal	304ss
Screen	304ss
Fixings	304ss
Check Valve	Polypropylene
Check Valve Gasket	Silicone
Stator Shell	304ss
Shaft	304ss
Impellers	MPPO
Seal	Ceramic/Graphite/304 stainless steel
O-rings	NBR
Power Cable	H07RN-F
Cable Gland Sheath	EPDM
Float Switch	Polypropylene

ELECTRICAL DATA	
Supply Voltage	220-240v
Supply freq	50Hz Single Phase
Speed	2pole 2850rpm
Full Load Current	4.5A
IP Rating	X8
Input Power	1.031kW
Output Power	0.8kW
Insulation Class	F
Electrical Lead	H07RN-F 15m length

OPERATING LIMITS	
Capacity to	85l/min
Total Head	480kpa
Cut In Pressure	250kPa
Shut Off minimum flow	2lpm
Minimum Suction Depth	180mm
Maximum Submergence	10m
Max Fluid Temp	35°C
Permissable Solids	1mm
Maximum starts per Hour*	30

* If the pump exceeds 30 starts per hour, the pump will shut down to protect itself. Resetting the pump requires disconnecting the power supply for 30 seconds, disconnecting the product and allowing it to resta rt.

INSTALLATION AND PRIMING

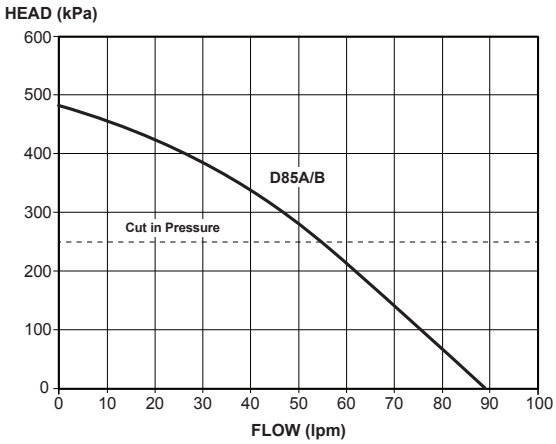
Use a rope to position and retrieve the pump. Do not lower or retrieve the pump using the power lead as this may damage the cable entry seals, causing water leaks and unsafe operation.

Do not use this product for recirculating or filtering swimming pools, spas, etc. While these pumps are built to high safety standards, they are not approved for installations where people will be in the water while they are operating.

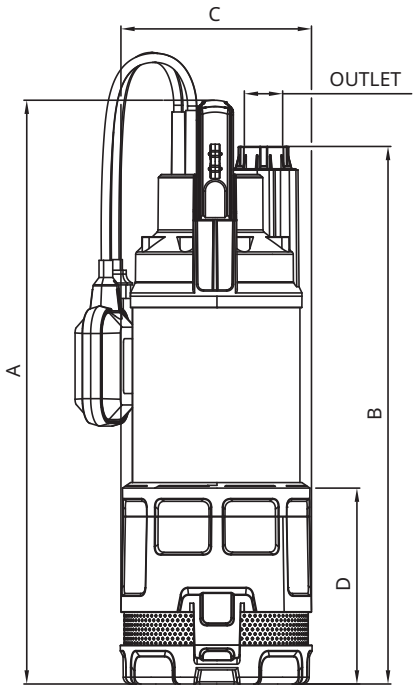
Do not pump abrasive materials. Sand and grit in the water being pumped will accelerate wear, causing shortened pump life.

Keep your pump clean, particularly in situations where lint, hair or fibrous materials may get bound around the pump shaft. Regular inspection and cleaning will extend pump life.

HYDRAULIC PERFORMANCE



A	B	C	D Minimum water depth	Outlet (BSPF)	Weight (kg)
511	470	167	180	1”	10.5



SUITABLE FLUIDS

Clean of neutral pH containing up to 20% small soft solids or 1% fine solids. Some wear should be expected while pumping hard solids in suspension.

H/O & MFG SCORESBY
Certified System Quality ISO 9001
Certified System Environment ISO 14001

daveywater.com

This literature is not a complete guide to product usage. All images provided in this document are for illustration purposes only. Further information is available from your Davey Dealer, Davey Support Centre and from the relevant product Installation and Operating Instructions. 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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