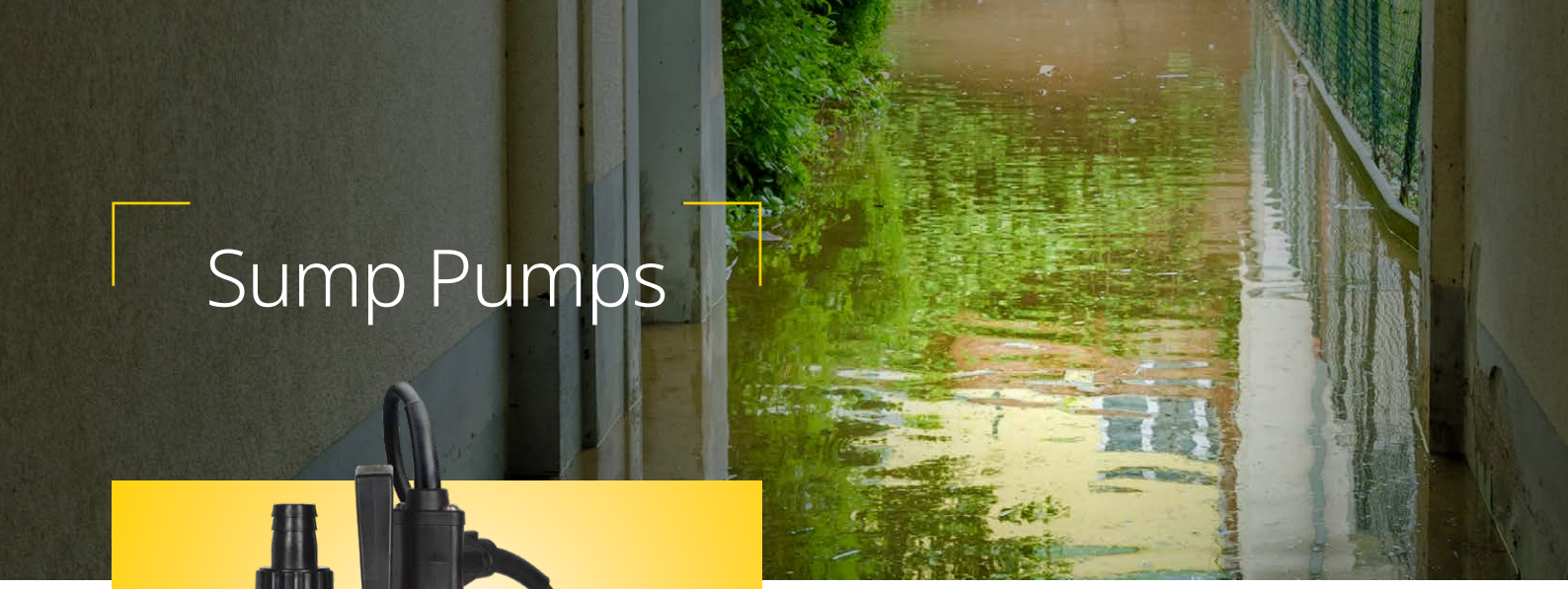


Sump Pumps

Model Numbers:
DC10A, DC10M

COMMERCIAL

DOUBLE CASED SUBMERSIBLE DEWATERING SUMP PUMPS

APPLICATION

Ideal for domestic fountains or waterfalls, sump emptying, emergency flood relief, water transfer and pumping in partially submerged applications.

FEATURES & BENEFITS

Open impeller, centrifugal design
- Able to pump small soft solids in suspension
- Less susceptible to blockage

Hard faced silicon carbide/ceramic mechanical shaft seal in oil bath
- Added motor protection
- Long service life

Sand slinger lip seal
- Added protection
- Long service life

Corrosive resistant 304 stainless steel fasteners
- Long service life
- Attractive, lasting appearance

Double case with full discharge flow past internal motor shell
- Able to operate in partially submerged installations
- Better motor cooling for longer life

Automatic resetting thermal overload
- Protected against overloading

HO7RNF oil resistant leads, with 3 pin power plug
- Easy to connect to power supply
- Longer life in dirty water

"A" suffix models equipped with preset length float switch for automatic operation

Sump Pumps

OPERATING LIMITS

Capacities to	80 lpm
Maximum total head	6m
Maximum submergence	10m
Maximum operating temperature	50°C
Outlet size (BSP)	1" M

SUITABLE FLUIDS

Clean water of neutral pH containing up to 10% of small soft organic solids (<4mm OD). Some accelerated wear should be expected while pumping hard solids in suspension.

Note: Not suitable for fish ponds or aquaculture.

MATERIALS OF CONSTRUCTION

PART	MATERIAL
Impeller	Polycarbonate
Suction strainer	ABS
Outer casing	ABS
Pump casing	ABS - GF
Shaft seal	Silicon carbide/ceramic Mechanical seal in captive oil bath with oil seal
Shaft seal elastomer	Nitrile rubber
Pump shaft	304 stainless steel
Orings	Nitrile rubber
Motor shell	304 stainless steel
Handle	ABS
Fasteners	304 stainless steel
Float & power supply leads	HO7RN-F oil resistant

ELECTRICAL DATA

Electrical lead	HO7RNF x 10m length
Phase	Single
Supply voltage/Hz	220-240/50Hz
Speed	2 pole, 2850rpm
Full load current	1.0A
kW (nameplate)	0.1kW
Insulation class	Class F
IP rating	X8
Starting	P.S.C.

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.

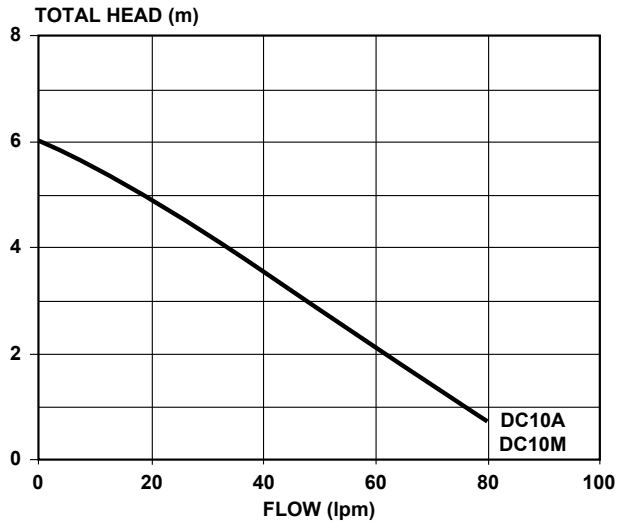
Do not pump abrasive materials. Sand and grit in the water being pumped will accelerate wear, causing shortened pump life.

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.

Make room for the float switch to operate. Automatic models have a float switch to turn them on when the water level rises and turn them off again when it has been pumped down to the safe operating level of the pump. If the float switch is not free to rise and fall, correct pump operation may not be possible.

Do not run your pump dry. Non-automatic models must be switched off manually or by way of an external float/level switch when the water level is reduced to the top of the pump housing.

HYDRAULIC PERFORMANCE



DIMENSIONS (mm)

Model	A	B	C	D	Outlet	Weight (kg)
DC10A DC10M	137	320	265	250	1" BSP(M)	4

Minimum recommended pit dimensions :-
Width 200mm x Length 450mm x Height 450mm