

MODEL

BOSS 101 - 110 Volt

Code: 80630120

BOSS 101 - 230 Volt

Code: 80630098

BOSS 101 - 400 Volt

Code: 80630109

SUBMERSIBLE PUMPS FOR DRAINAGE APPLICATIONS

HEAD
UP TO
14.5MTS

FLOW
UP TO
6.6 L/S

FLOAT
AUTO
YES

SUPPLY
VOLTS
ABOVE

All BOSS products are supplied with the confidence of high quality and reliability as standard.

- Full service & technical back up



DURABILITY



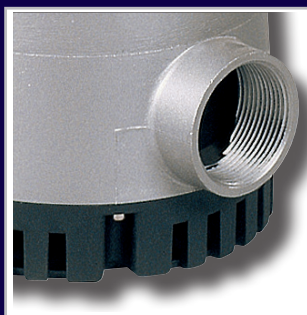
Strong die cast aluminium construction

OPERATION



Automatic float switch control

CAPABILITY



Solids handling up to 5 mm

INSTALLATION



Fitted with 10 Metres of mains cable

BOSS 101

TECHNICAL SPECIFICATION



HEAD UP TO	14.5 METRES
FLOW UP TO	6.6 L/SEC
CLOSED VALVE	15 METRES
MIN SUMP DIMENSION MM	H530 x W400x D400
OUTLET SIZE	1½" F BSP
IMMERSION DEPTH MAX	10 METRES
MIN WATER LEVEL	300MM (auto)
SOLIDS HANDLING	5 MM
MAX LIQUID TEMP	50°C
MOTOR SIZE	0.75 KW
MAINS SUPPLY	SELECT
RUNNING CURRENT	110 V - 17 230 V - 7 400 V - 2
FLOAT SWITCH	YES
SUPPLY CABLE	10 METRES

APPLICATIONS

Multi purpose submersible electric drainage pump manufactured in anodized die cast aluminium. Designed for pumping clean and waste water containing solids in suspension up to a maximum of 5mm in diameter.

Ideal for cellar drainage, pumping out flooded areas and general de-watering applications.

CONSTRUCTION FEATURES OF THE PUMP

Pump and motor body in anodized die cast aluminium, impeller made in special reinforced nylon with corrosion-proof fiberglass.

Motor shaft mechanical seal arrangement.

CONSTRUCTION FEATURES OF THE MOTOR

Dry asynchronous sealed motor type cooled by the pumped liquid. Rotor mounted on greased for-life bearings, oversized and selected to guarantee greater noise reduction and durability.

Thermal overload motor protection as standard, auto-resetting. Single Phase motors only

Constructed in accordance with the IEC 2-3 IEC61-69 (EN 60335-2-41) standards.

Motor Protection Class: IP68

Insulation Class: F

Standard Voltage: 110 Volt / 230 Volt Single-Phase and 400 Volt Three Phase 50 Hz options.

Motor Rating: Continuous running with liquid at 35 °C max and pump completely submerged

All Single Phase pumps are supplied with a pre-connected float switch for automatic operation.

All Three Phase pumps will require an additional starter/control panel and float switch system, Not supplied.

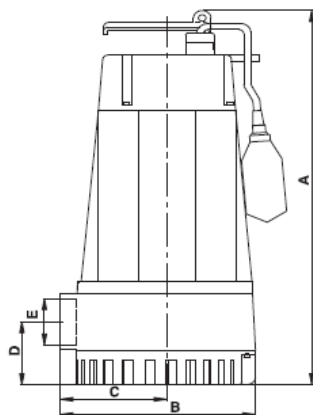
- Automatic Float Switch control fitted to single phase pumps only.
- Three Phase models will require an additional starter control panel & float system.

MATERIALS

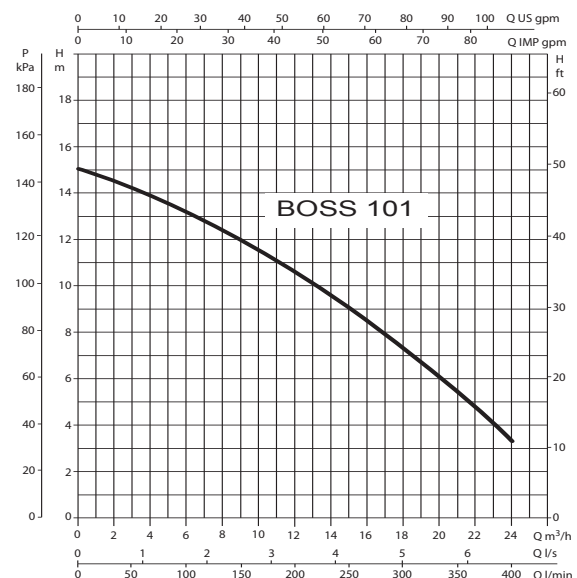
PARTS IN CONTACT WITH THE PUMPED LIQUID	MATERIALS
PUMP BODY	ANODIZED DIE CAST ALUMINIUM
SUPPORT	ANODIZED DIE CAST ALUMINIUM
IMPELLER	REINFORCED NYLON / FIBERGLASS
MOTOR SHAFT	STAINLESS STEEL AISI 416
MECHANICAL SEAL	SILICON CARBIDE/ALLUMINA
O RING	NBR
FILTER GRID	TECHNOPOLYMER
MOTOR CASING	STAINLESS STEEL AISI 304
MAIN CABLE & FLOAT CABLE	HO7 RN-F (PCP TYPE EM2)

DIMENSIONS

MODEL (mm)	A	B	C	D	DIA DNM	WEIGHT KG
BOSS 101	416	169	92	62	1½" F BSP	11



PERFORMANCE



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