

MODEL

**BOSS 91**

Code: 80630087

## SUBMERSIBLE PUMP FOR DRAINAGE AND WASTE WATER APPLICATIONS

HEAD  
UP TO  
11.4MTS

FLOW  
UP TO  
6.5L/S

FLOAT  
AUTO  
YES

SUPPLY  
VOLTS  
230 V

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

- Full service & technical back up



### DURABILITY



Anti-corrosive  
full rust proof materials

### OPERATION



Automatic float switch  
control

### CAPABILITY



Solids handling  
up to 38mm

### INSTALLATION



Fitted with 10 Metres  
of mains cable

# BOSS 91

## TECHNICAL SPECIFICATION



HEAD UP TO	11.4 METRES
FLOW UP TO	6.5 L/SEC
CLOSED VALVE	12 METRES
MIN SUMP DIMENSION MM	H600x W600x D600
OUTLET SIZE	1 1/2" F BSP
IMMERSION DEPTH MAX	10 METRES
MIN WATER LEVEL	170 MM (auto)
SOLIDS HANDLING	38 MM
MAX LIQUID TEMP	40°C
MOTOR SIZE	0.75 KW
MAINS SUPPLY	230 VOLT
RUNNING CURRENT	5.6 AMPS
FLOAT SWITCH	YES
SUPPLY CABLE	10 METRES

### APPLICATIONS

Multi purpose submersible electric drainage pump manufactured in rust free anti-corrosion material. Designed for pumping clean and waste water containing solids in suspension up to a maximum of 38mm in diameter.

Ideal for cellar drainage, pumping out flooded areas and water gardening applications.

### CONSTRUCTION FEATURES OF THE PUMP

Pump body and impeller made in technopolymer, motor casing and shaft made in stainless steel.

Motor shaft triple lip seal arrangement with Viton V ring.

### 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.

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

Motor Protection Class: IP68 Insulation Class: F

Standard Voltage: 230 Volt 50Hz Single-Phase

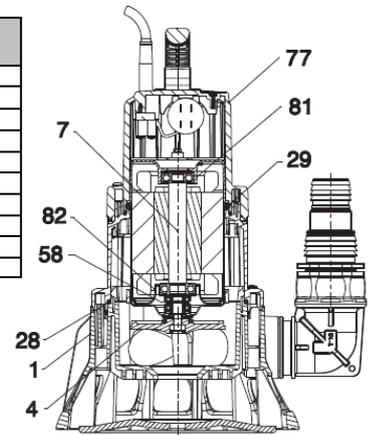
Motor Rating: Continuous even with the motor partially submerged



- Complete with a 3 level hose connection elbow.
- Supplied loose

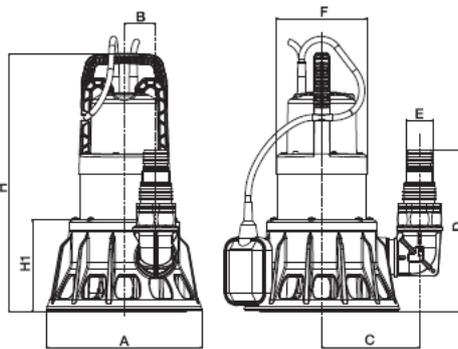
### MATERIALS

NO.	PARTS IN CONTACT WITH THE PUMPED LIQUID	MATERIALS
1	PUMP BODY	TECHNOPOLYMER
4	IMPELLER	TECHNOPOLYMER
7	MOTOR SHAFT	STAINLESS STEEL AISI 416
28	O-RING GASKET	NBR
29	O-RING GASKET	NBR
77	TOP BODY	TECHNOPOLYMER
58	CERAMIC BUSH	STAINLESS STEEL AISI 416
81	UPPER BEARING SUPPORT	CAST ALLUMINIUM
82	LOWER BEARING SUPPORT	CAST ALLUMINIUM
	MAIN CABLE & FLOAT CABLE	HO7 RN-F (PCP TYPE EM2)

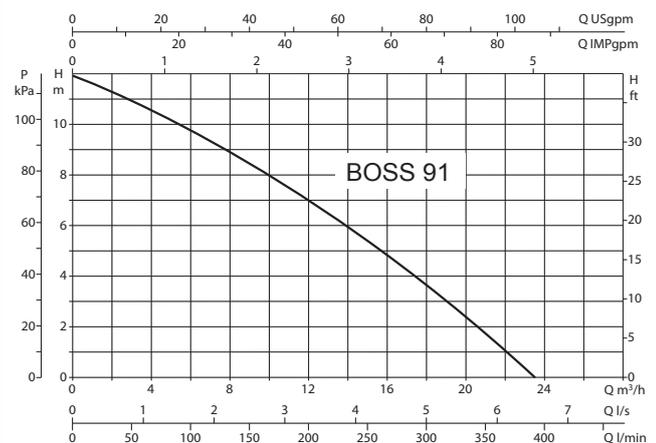


### DIMENSIONS

MODEL (mm)	A	B	C	D	E	F	H	H1	DIA DNM	WEIGHT KG
BOSS 91	240	49	150	250	M40	140	400	142	1 1/2" F BSP	5.1



### PERFORMANCE



**AMS Pumps**  
**BSS** | Specialist in Pumping Systems

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