

MODEL

BOSS 104 VOX - 110 Volt
Code: 80630153

BOSS 104 VOX - 230 Volt
Code: 80630142

BOSS 104 VOX - 400 Volt
Code: 80630164

SUBMERSIBLE PUMPS FOR DIRTY WATER APPLICATIONS

HEAD
UP TO
9 MTS

FLOW
UP TO
6.5 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



Ultra strong
cast stainless steel
impeller

OPERATION



Automatic float switch
control

CAPABILITY



Solids handling up
to 50 mm

INSTALLATION



Fitted with 10 Metres
of mains cable

BOSS 104 VOX

TECHNICAL SPECIFICATION



HEAD UP TO	9 METRES
FLOW UP TO	6.5 L/SEC
CLOSED VALVE	9.5 METRES
MIN SUMP DIMENSION MM	H730 x W700 x D700
OUTLET SIZE	2" F BSP
IMMERSION DEPTH MAX	10 METRES
MIN WATER LEVEL	330 MM (auto)
SOLIDS HANDLING	50 MM
MAX LIQUID TEMP	50°C
MOTOR SIZE	0.75 KW
MAINS SUPPLY	110 Volt 230 Volt 400 Volt
RUNNING CURRENT AMPS	110 V - 13 230 V - 5.13 400 V - 1.94
FLOAT SWITCH	YES SINGLE PHASE
SUPPLY CABLE	10 METRES

APPLICATIONS

Stainless steel submersible electric pump with precision cast vortex impeller. Designed for pumping waste water containing solids in suspension up to a maximum of 50mm in diameter.

CONSTRUCTION FEATURES OF THE PUMP

Pump body, seal housing cover, motor casing and cap with handle made in stainless steel. Precision cast stainless steel impeller. AISI 304 Stainless steel motor shaft. Double mechanical seal arrangement with integral oil chamber (non toxic oil). Seal material in carbon/alumina on the motor end and highly durable carbide/silicon carbide on the pump end.

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

Voltage Options: 110 Volt or 230 Volt Single-Phase / 400 Volt Three-Phase 50 Hz Options.

Motor Rating: Continuous running with liquid at 35°C 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.

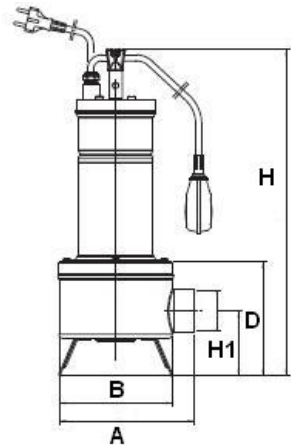
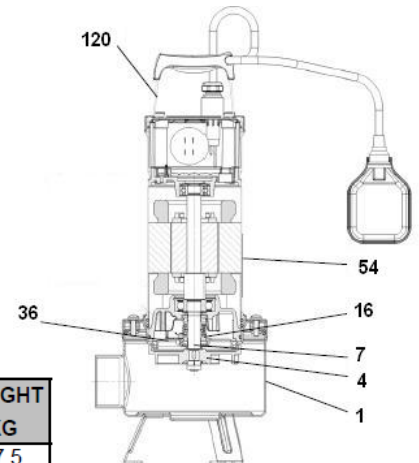


MATERIALS

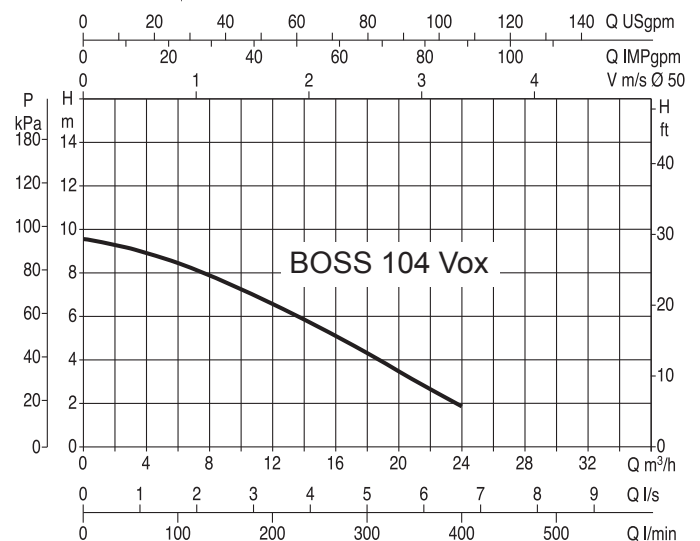
NO.	PARTS IN CONTACT WITH THE PUMPED LIQUID	MATERIALS
1	PUMP BODY	STAINLESS STEEL AISI 304
4	IMPELLER	MICRO CAST STAINLESS STEEL
7	MOTOR SHAFT	STAINLESS STEEL AISI 304
16	MECHANICAL SEAL	PUMP END SILICON CARBIDE/SILICON CARBIDE MOTOR END CARBON/ALUMINA
36	SEAL COVER	STAINLESS STEEL AISI 304
54	MOTOR CASING	STAINLESS STEEL AISI 304
120	HANDLE	STAINLESS STEEL AISI 304 WITH INSULATED RUBBER GRIP
	CABLE (MAINS & FLOAT SWITCH)	H07RNF (PCP TYPE EM2)

DIMENSIONS

MODEL	A	B	D	H	H1	DIA	PACKAGING DIM	WEIGHT
mm						DNM	L/A L/B H	KG
BOSS 104	203	170	172	492	98	2" F BSP	240 600 240	17.5



PERFORMANCE



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

AMS Pumps

BSS | Specialist in Pumping Systems

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