

MODEL

BOSS NBB PP 50/50

Code: 80410113

INTEGRATED BREAK TANK AND BOOSTER PUMP SYSTEM

HEAD
UP TO
5 BAR

FLOW
UP TO
1.3 L/S

The New BOSS BoosterBox is a smart concept to provide a complete packaged solution for pressurising potable water in residential and light commercial applications.

With dropping mains water pressure across the country, low water pressure within a building is a growing issue.

Our packaged solution includes a WRAS approved tank complete with a Cat 5 type AB mains water connection, submerged silent running pump, WRAS approved expansion vessel and an energy efficient variable speed inverter control.



DURABILITY



Corrosion resistant materials & design

OPERATION



Energy efficient variable speed technology

CAPABILITY



Powerful performance

INSTALLATION



Ultra quiet operation noise

BOSS NBB PP 50/50

TECHNICAL SPECIFICATION



HEAD UP TO	50 METRES
FLOW UP TO	1.3 L/SEC
CLOSED VALVE	71 METRES
MAINS CONNECT	22 MM
OUTLET CONNECT	1 1/4" BSP
OVERFLOW CONNECT	32 MM
MAX WATER TEMP	+40°C
WEIGHT	52 KG Empty
MAINS SUPPLY	240 VOLT 50Hz
MOTOR SIZE	1 KW 1.36 HP
CURRENT	4.15 AMPS
SOUND RATING	59 dB

NBB INVERTER CONTROLLER



The BOSS Active Driver unit is a comprehensive device with integrated pressure sensor, a flow sensor and an electronic frequency converter (inverter). An Energy Technology listed product, eligible for ECA support.

The BOSS Active Driver regulates the rotation speed of the electric pump to provide and maintain a constant pressure in relation to the flow rate variation of the water. This highly energy efficient technology ensures that only the required amount of electricity is being consumed at all times. The water that flows through the Active Driver also helps to cool the internal electronic components.

An 8 Litre WRAS approved expansion vessel is also supplied as standard to help reduce system water hammer.

OPERATION /PROTECTION

The pumps will stop under the following conditions:

- Pump over-current
- Dry running condition
- Low supply voltage
- Max pressure set point value exceeded
- Overheating of electronic components

DISPLAY FUNCTIONS

The BOSS Active Driver provides a digital operating display for:

- Operation - Run/Stop or Failure
- Pump operating frequency (HZ)
- Instantaneous pressure (Bar)
- Pump absorbed current (Amps)
- Operating alarms with history

EXTERNAL CONNECTIONS

- Remote Start/Stop
- Second Dry running protection (external)
- Second pressure set point duty
- Volt free contact for pump run & common fault

NBB TANK SPECIFICATION



High quality PE moulded tank designed for storing potable cold water.

FEATURES

- Potable water usage WRAS approved
- Full type AB airgap WRAS approved
- Screened weir overflow design
- 280 Litre tank overall capacity
- 220 Litre working capacity
- Designed to fit through a doorway
- Strong lightweight construction
- Approved category 5 water protection
- EN1717 compliant
- High quality mains water filling valve (Rated up to 10 Bar max pressure)

NBB PUMP SPECIFICATION



Pulsar PP50/50 submersible silent running multistage pump. Pump body and shaft in AISI 304 stainless steel. Internal stages in abrasion-proof techno plastic. Double mechanical seal design. Ceramic/carbon (motor side) Silicon/carbide (pump side)

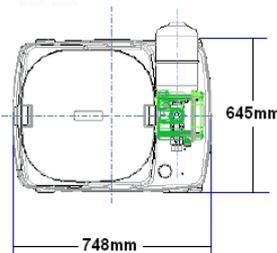
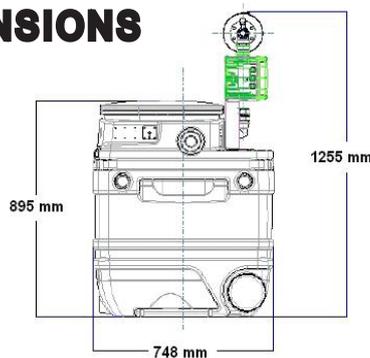
IP68 PROTECTION LEVEL
INSULATION CLASS F
HO7RNF CABLE

OPTIONAL PP 40/80

MODEL ALSO AVAILABLE

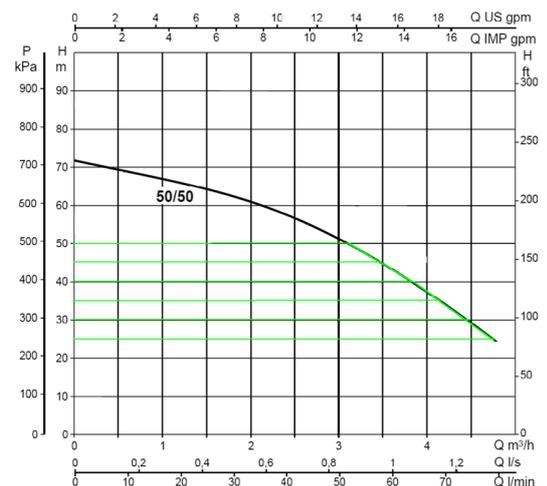


DIMENSIONS



COMPRISING:
WRAS tank & lid
Overflow screens
Booster pump
Inverter controller
8 Litre WRAS vessel
1" Brass gate valve
22mm mains filling valve
S/steel pump support
Brass unions and fittings
1.5 Metres of mains cable

PERFORMANCE



DUTY PERFORMANCE

The system can maintain a constant pressure between 2.5 and 5 Bar



OPTIONAL EXTENSION TANK KIT
Code: 80410231

AMS Pumps

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