Barmesa® Pumps

SUBMERSIBLE SOLIDS HANDLING X-PROOF PUMP

Series: 4XBSE7544ADS
7.5 HP / 1750 RPM
Discharge: 4"
Spherical solids handling: 3"



Representative image.

DISCHARGE
4", 125 lb, flange horizontal.

LIQUID TEMPERATURE
104° F (40° C) continuous

VOLUTE
Cast iron ASTM A-48 class 30

MOTOR HOUSING
Cast iron ASTM A-48 class 30

SEAL PLATE
Cast iron ASTM A-48 class 30

IMPELLER
Design: 2 vane, open, with vanes on back side.
Material: cast iron ASTM A-48 class 30

SHAFT
416 series stainless steel

SQUARE RINGS
Buna-N

PAINT
Air dry enamel, water based.

SEAL
Design: double, mechanical, oil filled chamber.
Material: silicon carbide outboard seal, carbon ceramic inboard seal, Buna-N elastomer and stainless steel hardware.

DIAPHRAGM
Buna-N

HARDWARE
300 series stainless steel

CORD ENTRY
25 ft of cord, epoxy sealed housing with secondary pressure gromet for sealing and strain relief.

BEARINGS
Upper: ball, single row, oil lubricated, for radial load.
Lower: ball, double row, oil lubricated, for radial and thrust load.

MOTOR
NEMA B, three phase, 460 volts, 60 Hz, 1750 RPM, air cooled. Explosion Proof, Class 1, Division 1, Group C & D, insulation Class F. Requires overload protection to be included in control panel.

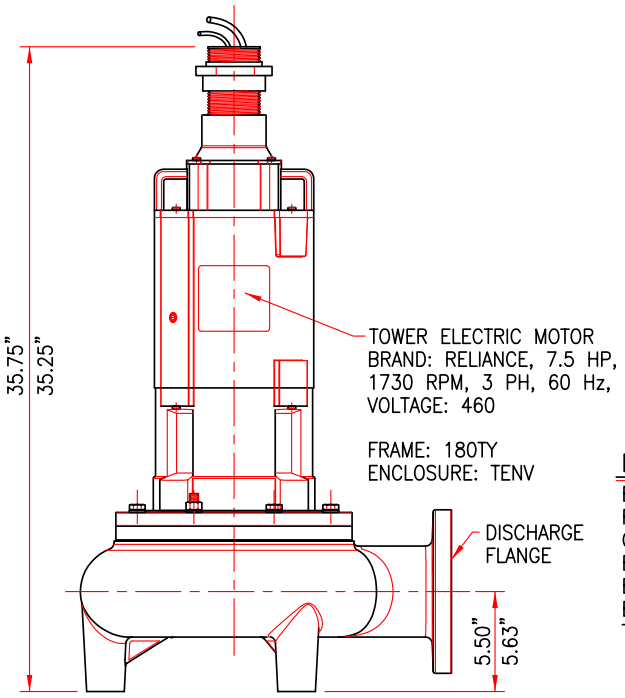
MOISTURE SENSOR
Normally open (N/O) included, requires relay in control panel.

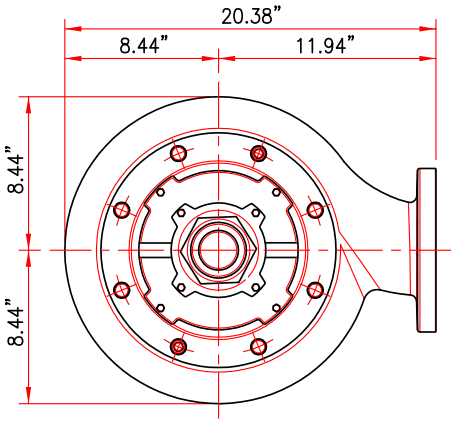
TEMPERATURE SENSOR
Normally closed (N/C) included, requires relay in control panel.

OPTIONAL EQUIPMENT
Additional cord, tungsten carbide seal, slide rail coupling (SRC-4).

TECHNICAL DATA SHEET

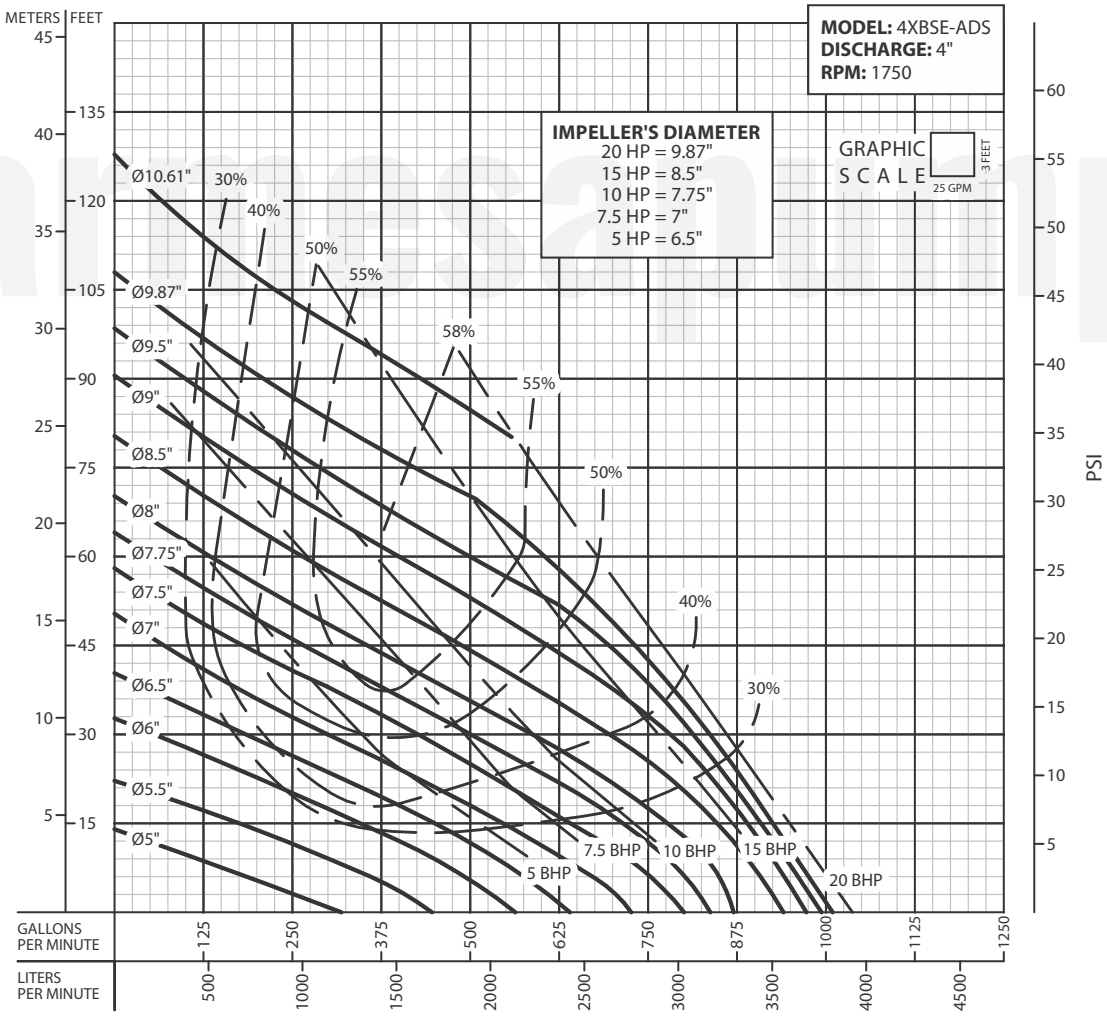
SPECIFICATIONS





DISCHARGE FLANGE

BRANCH:	4”
RATING:	150 PSI
O.D.:	9.00”
BOLTS:	8
BOLTS SIZE:	.625”
BCD:	7.50”
THICK:	.94”



IMPORTANT!

1. Never use this pump to handle explosive liquids.
2. This pump is not approved to be used in swimming pools, recreational installations or any application where human contact may be common.
3. Pump may be operated "dry" for extended periods without damage to motor and/or seals.
4. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.

barmesapumps