

SUBMERSIBLE GRINDER PUMP

Series: BGP-DS
3, 5 & 7.5 HP
3500 RPM
Discharge: 2"



DISCHARGE
2" NPT, vertical.

LIQUID TEMPERATURE
104 °F (40 °C)

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: 10 vanes, vortex with vanes on back side, dynamically balanced.
Material: Cast iron ASTM A-48, class 30.
Radial cutter: hardened 440C, stainless steel, hardness Rockwell C-55.
Shredding ring: hardened 440C, stainless steel, hardness Rockwell C-55.

SHAFT
420 series stainless steel

SQUARE RINGS
Buna-N

HARDWARE
Stainless steel

PAINT
Air dry enamel, water based.

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

CORD ENTRY
40 ft of neoprene cord, sealed against moisture.

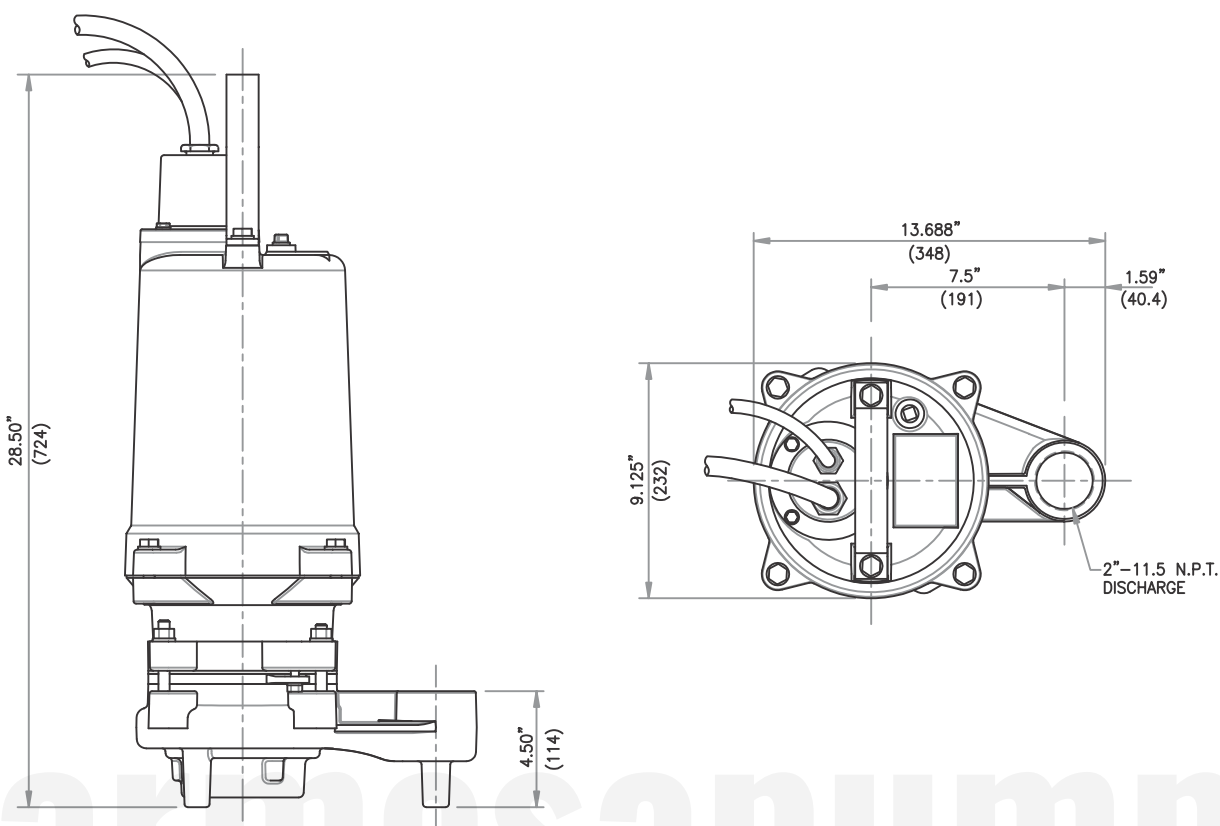
BEARINGS
Ball, single row, oil lubricated.

MOTOR
Single phase: NEMA L, capacitor start/run (to be located in control panel), 230 volts, 60 Hz, 3500 RPM, oil filled. Class F insulation.
Three phase: NEMA B, 208, 230 & 460 volts, 60 Hz, 3500 RPM, oil filled. Class F insulation.

Requires overload protection to be included in control panel.

MOISTURE SENSOR
Normally open (N/O) included

OPTIONAL EQUIPMENT
Additional cord, tungsten seal, slide rail coupling (SRC-2).

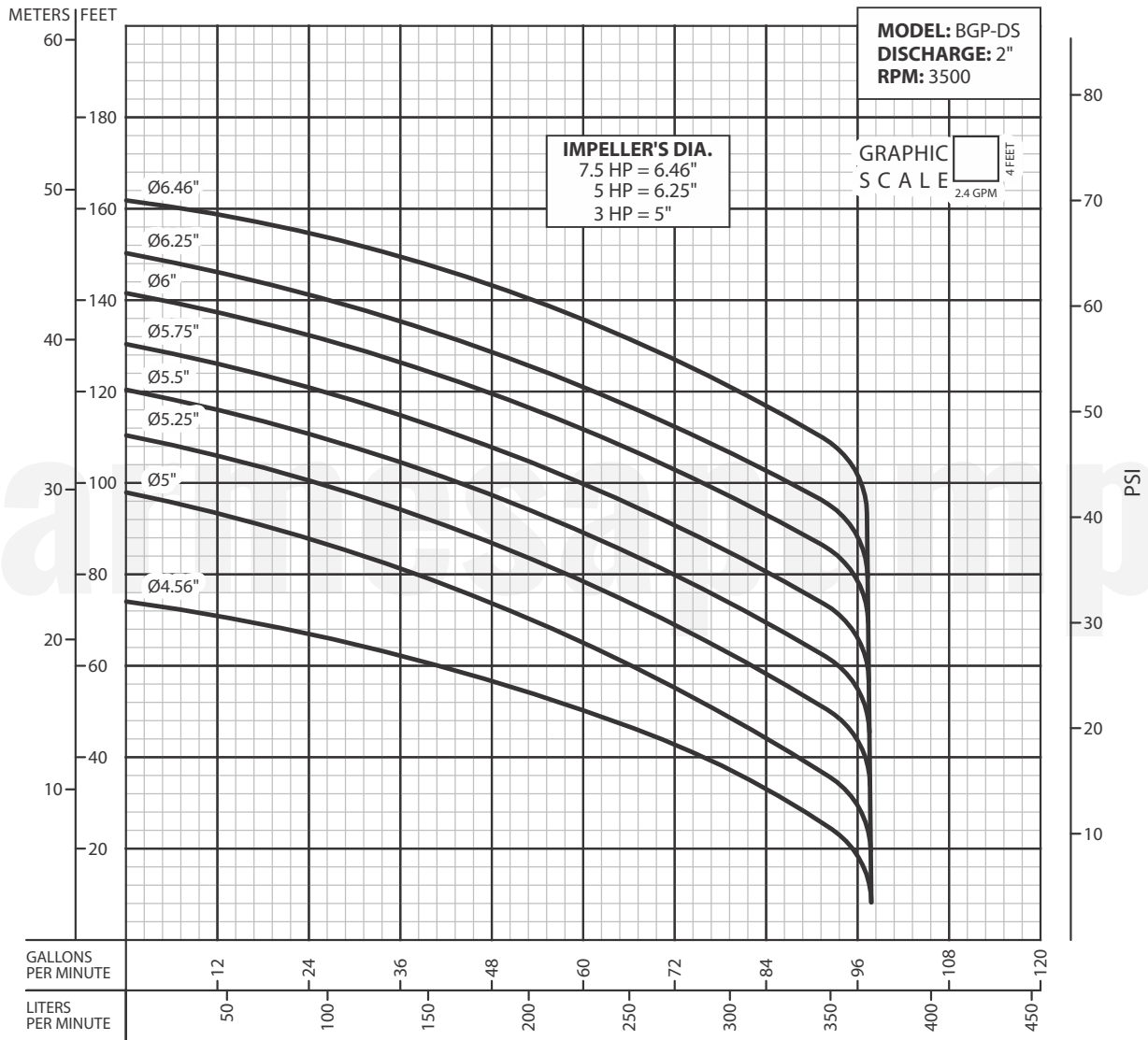


MODEL	PART No.	HP	PH	V	RPM	MAX AMPS	LOCKED ROTOR AMPS	NEMA CODE	CORD SIZE	CORD TYPE	CORD LENGTH	WEIGHT (lb)
BGP302DS ¹	62170605	3	1	230	3500	23	75	G	10/4C	SO	40'	188
BGP303DS-208V	62170631	3	3	208	3500	20	81.4	L	10/4C	SO	40'	188
BGP303DS	62170606	3	3	230	3500	13	56.6	K	10/4C	SO	40'	188
BGP304DS	62170607	3	3	460	3500	6.5	28.3	K	10/4C	SO	40'	188
BGP502DS ¹	62170608	5	1	230	3500	39	117	H	8/4C	SO	40'	199
BGP503DS-208V	62170632	5	3	208	3500	24	102	J	10/4C	SO	40'	199
BGP503DS	62170609	5	3	230	3500	20	81.4	L	10/4C	SO	40'	199
BGP504DS	62170610	5	3	460	3500	10	40.7	L	10/4C	SO	40'	199
BGP753DS	62170611	7.5	3	230	3500	24	102	J	10/4C	SO	40'	203
BGP754DS	62170612	7.5	3	460	3500	12	51	J	10/4C	SO	40'	203

¹ Factory capacitor kit included.

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.



IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.