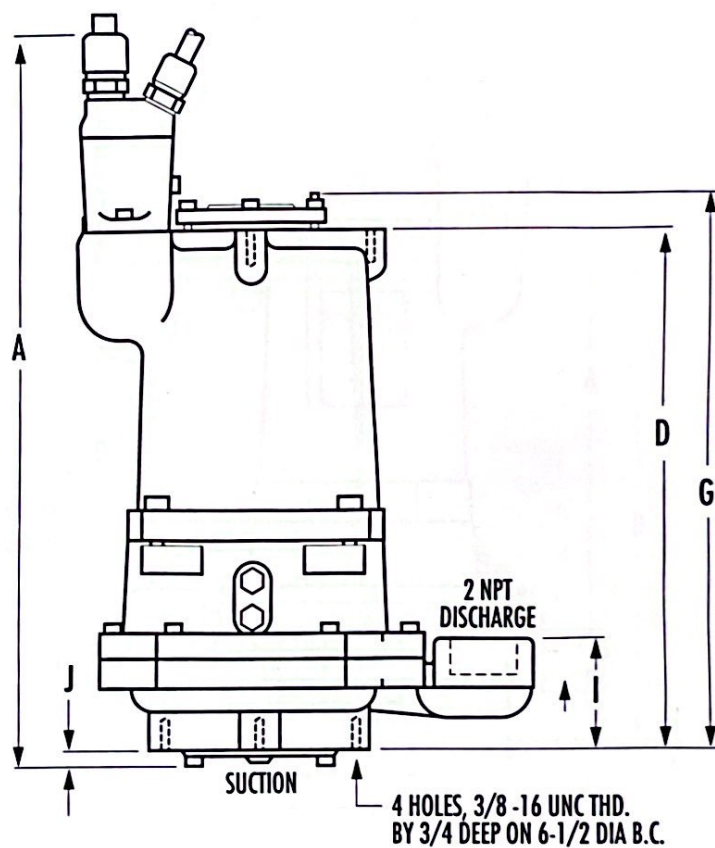
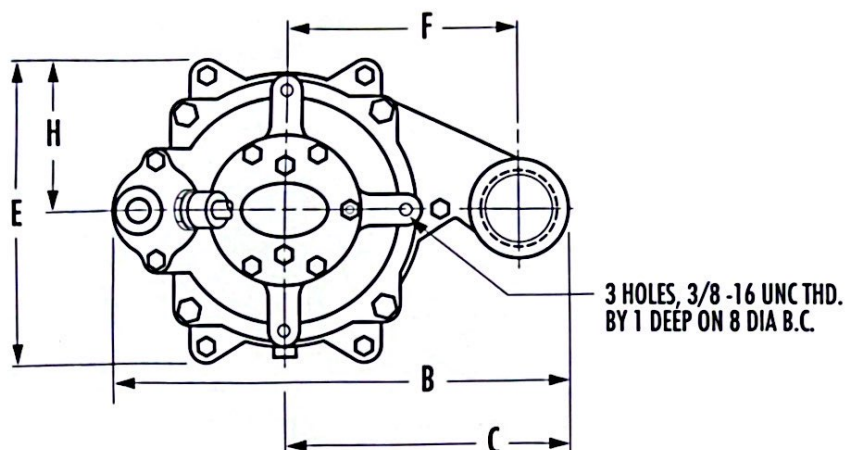




	A	B	C	D	E	F	G	H	J	I
SPGH300/500/750	23-3/8	15-1/4	9-5/16	16-3/4	9-3/4	7-3/4	17-3/4	4-7/8	3/8	3-3/8

ALL DIMENSIONS IN INCHES
NOTE: CASTING DIMENSIONS MAY VARY $\pm 1/8"$

MODEL: SPGH—Standard Grinder Pump

R.P.M.	3450
MOTOR TYPE	ENCLOSED, OIL COOLED INDUCTION
MOTOR DESIGN NEMA TYPE	B (3Ø) L (1Ø)
GENERAL INSULATION CLASS	B
STATOR WINDING CLASS	F
MAXIMUM STATOR TEMPERATURE	266°F
MOTOR PROTECTION	BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 120°C AND AUTOMATICALLY RESET @ 30–35°C DIFFERENTIAL, ONE IN SINGLE PHASE, TWO IN THREE PHASE
VOLTAGE TOLERANCE	±10%

HP	VOLTAGE	PHASE	NEC CODE	SF	FULL LOAD AMPS	SF AMPS	LCKD. RTR. AMPS	RUN KW	START KVA	RUN KVA	MTR. EFF. 100% FL	MTR. EFF. 75% FL	MTR. EFF. 50% FL	PWR. FACT. 100% FL	PWR. FACT. 75% FL	PWR. FACT. 50% FL
3.0	200	1	F	1.2	20.6	25.8	81	3.8	16.2	4.1	.59	.57	.51	.93	.92	.88
	230				17.9	22.4	70.5									
5.0	230	1	F	1.2	25.9	32.9	125	5.5	28.8	6.0	.68	.68	.64	.92	.92	.92
3.0	200	3	G	1.2	10.9	12.9	53	3.2	14.4	3.8	.70	.67	.62	.85	.82	.75
	230				9.4	11.2	46.2									
	460				4.7	5.6	23									
	575				3.8	4.5	18.5									
5.0	200	3	G	1.2	17.9	21.5	83	5.4	28.7	6.2	.70	.68	.63	.87	.86	.84
	230				15.6	18.7	72									
	460				7.8	9.4	36									
	575				6.2	7.5	28.8									
7.5	200	3	H	1.2	24.8	29.7	149.5	7.4	51.8	8.6	.76	.75	.70	.87	.85	.80
	230				21.5	25.8	130									
	460				10.8	12.9	65									
	575				8.6	10.3	52									

MODEL: SPGH — Standard Grinder Pumps**Physical Data:**

DISCHARGE SIZE	2"
IMPELLER TYPE	SEMI-OPEN 5 VANE
CABLE LENGTH	30' STANDARD 50' OPTIONAL
PAINT	PAINTED AFTER ASSEMBLY BEFORE TESTING. DARK GREEN, ALKYD, ENAMEL, ONE COAT, AIR DRIED.

Temperature:

MAXIMUM LIQUID	140°F
MAXIMUM STATOR	266°F
OIL FLASH POINT	390°F
HEAT SENSOR	Open: 257°F MAX./239°F MIN. Closed: 194°F MAX./149°F MIN.

Technical Data:

POWER CORD TYPE		STW/STW-A WATER RESISTANT 600V, 60°C
SENSOR CORD TYPE		16-4 STW-A WATER RESISTANT 600V, 60°C, 10 AMPS
MATERIALS OF CONSTRUCTION	MOTOR HOUSING	CAST IRON ASTM A-48 CLASS 30
	CASING	CAST IRON ASTM A-48 CLASS 30
	IMPELLER	RED BRASS #85-5-5-5 ASTM B584-836
	CUTTERS	
	Stationary:	440C STAINLESS STEEL HARDENED TO 55-60 ROCKWELL C
	Upper (Axial):	440C STAINLESS STEEL HARDENED TO 55-60 ROCKWELL C
	Lower (Radial):	440C STAINLESS STEEL HARDENED TO 55-60 ROCKWELL C
	MOTOR SHAFT	416 STAINLESS STEEL
HARDWARE		300 SERIES STAINLESS STEEL
"O" RINGS		BUNA N
MECHANICAL SEALS		
Standard:		UPPER AND LOWER CARBON/CERAMIC, TYPE 21, BF1C1
Optional:		LOWER TUNGSTEN CARBIDE/TUNGSTEN CARBIDE, TYPE 21, BD1D1
UPPER BEARING		(THRUST & RADIAL) DOUBLE ROW — BALL
LOWER BEARING		OILITE BRONZE BUSHING
MIN. B-10 BEARING LIFE		50,000 Hrs