

END-SUCTION CENTRIFUGAL PUMPS

Series: BCS
0.75 - 3 HP @ 3500 RPM
0.5 HP @ 1750 RPM
1 & 3 phases



SUCTION

1¼" or 1½" NPT horizontal

DISCHARGE

1" or 1¼" NPT vertical

SPHERICAL SOLIDS HANDLING

Up to 3/8" diameter

MAX. WORKING PRESSURE

175 PSIG

MAX. TEMPERATURES

250°F (121°C)

BODY

AISI 316 stainless steel

INTERMEDIATE COUPLING

Cast iron

IMPELLER

Design: open

Material: AISI 316 stainless steel

SEAL

Design: mechanical, type 01.

Material: carbon/silicon-carbide faces, Viton elastomers and 316 stainless steel metal parts.

SEAL PLATE

AISI 316 stainless steel

SHAFT SLEEVE

AISI 316 stainless steel

O-RINGS

Viton

MOTOR

NEMA standard 56J frame motors from 0.75 to 3 HP at 3500 RPM and 0.5 HP at 1750 RPM. Open drip-proof and totally enclosed fan-cooled.

Single phase 115/230 V (3 HP model is 230 V only). Built in overload with auto reset provided. Three phase 208-230/460V.

Overload protection must be provided.

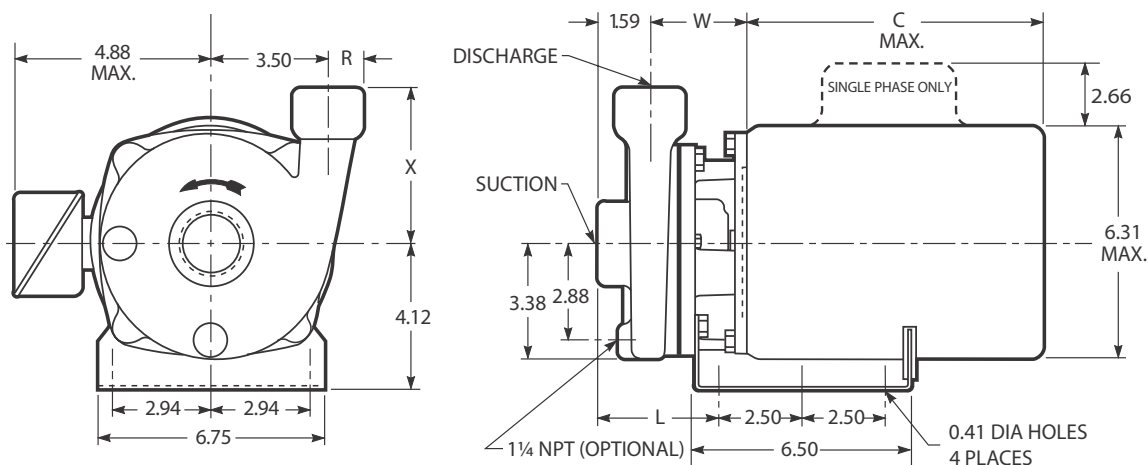
HARDWARE

AISI 304 stainless steel

PAINT

Solvent based enamel (only intermediate coupling)

Last update: JUL/11/2023



DIMENSIONS IN INCHES

Dimensions and Weights – Determined by Pump

MODEL	SIZE	DIMENSIONS				WEIGHT MAX. OF PUMP
		L	R	W	X	
BCS 1 x 1¼-5	1 x 1¼	3.75	0.94	3.01	4.62	17
BCS 1¼ x 1½-5	1¼ x 1½	3.62	1.06	2.88	4.56	17

Available Motor Weights and Dimensions

HP	SINGLE PHASE		THREE PHASE		C MAX. LENGTH
	ODP	TEFC	ODP	TEFC	
0.5	16	21	19	18	10.5
0.75	19	24	21	21	11
1	22	26	23	21	11.38
1.5	28	35	27	27	12.06
2	33	39	32	33	13
3	38	47	36	42	14

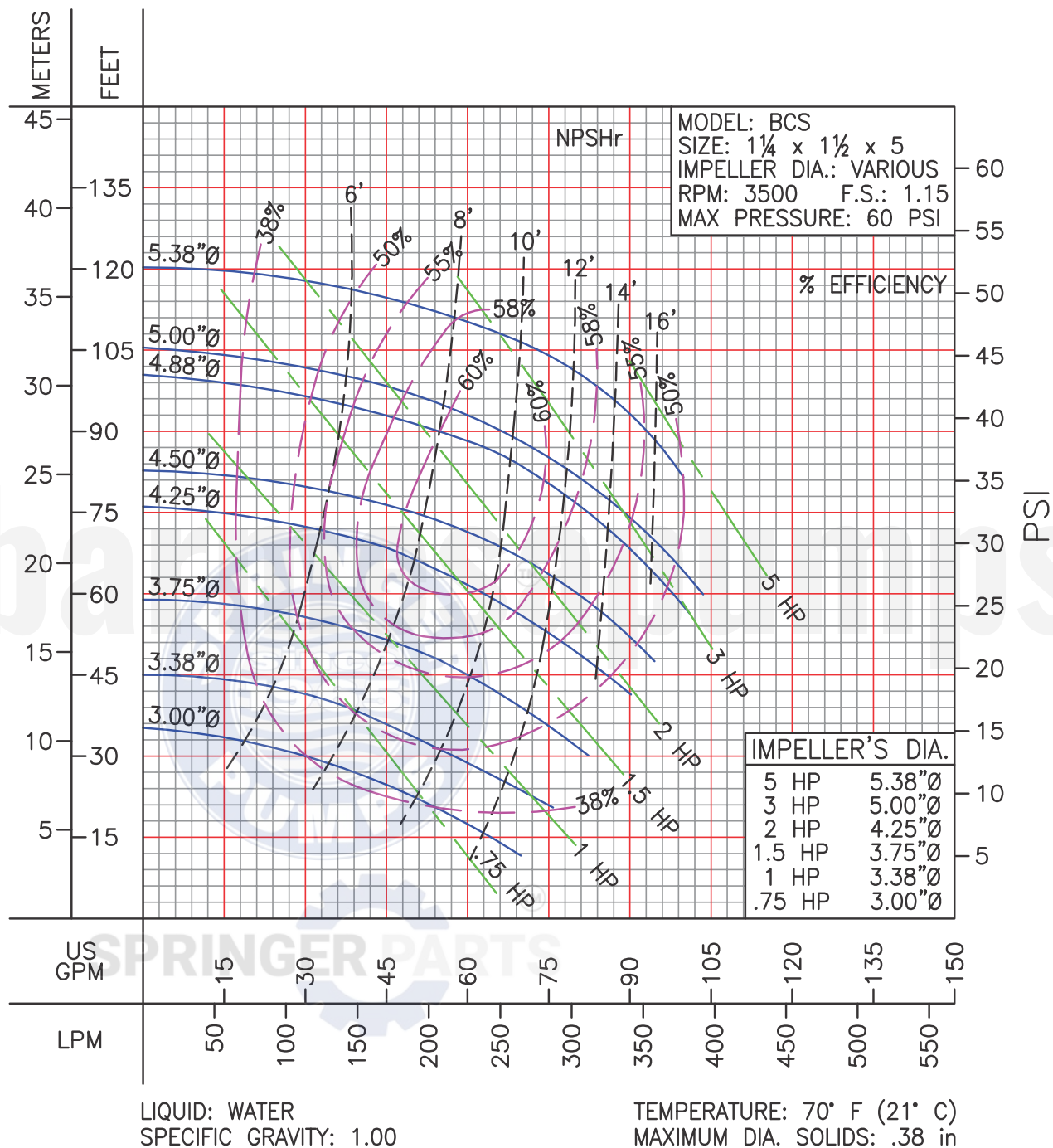
NOTES:

1. Pumps will be shipped with top vertical discharge as standard, for other orientations, remove casing bolts, rotate to desired position, and tighten 3/8" bolts to 24 lbf-ft.
 2. Dimensions in inches, weight in pounds.
 3. Not to be used for construction purposes unless certified.
 4. Motor dimensions may vary with motor manufacturers.
- *Weight is liquid end only. For complete pump, add weight of applicable motor.

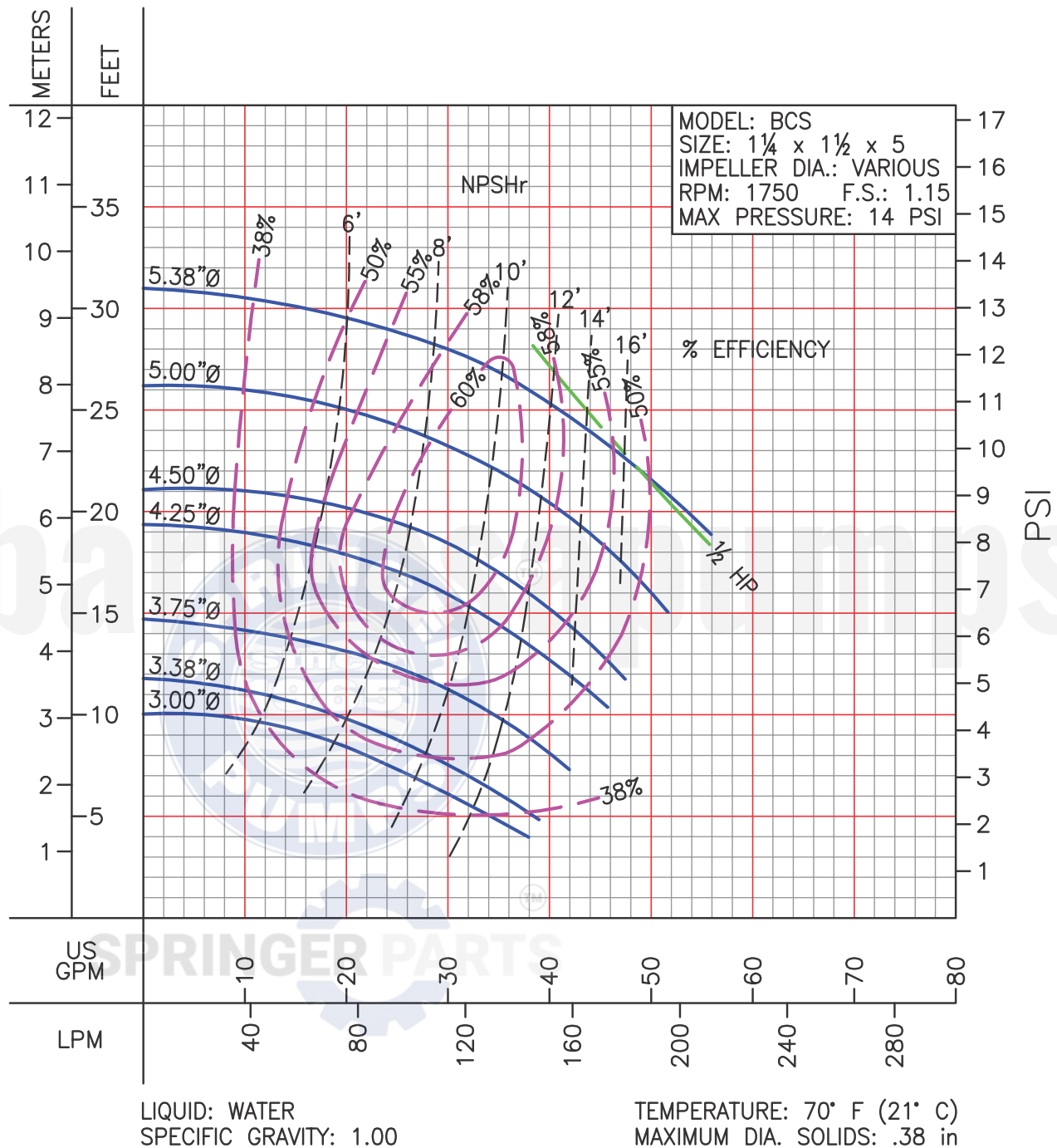
IMPORTANT!

1. Never use this pump to handle explosive liquids.

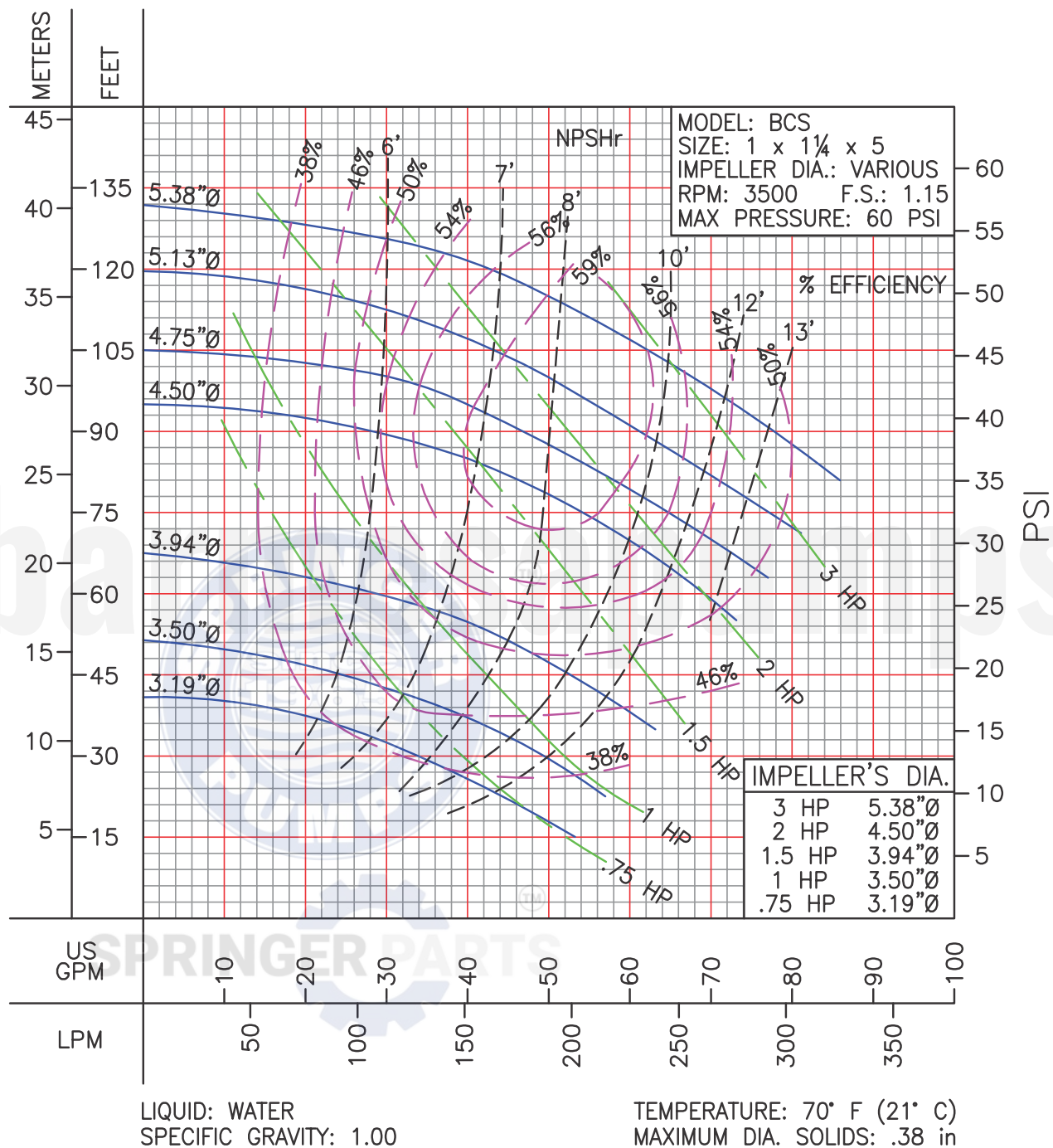
PERFORMANCE CURVES



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