

JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

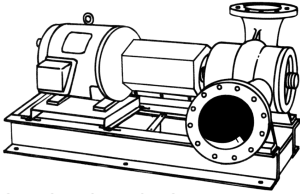
SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



12x14x17-1/2B

VSCS Centrifugal Pumps

Base Mounted - Double suction

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

TYPE OF SEAL

Standard Seal Construction, 175 PSIG (12 Bar) working pressure, 125# ANSI flanges. External flush line to seal.

☐ Standard: Crane Type 2, Buna/Carbon-Ceramic, 120 psig (6 bar) max. suction pressure Temp. range: -20 to 225°F (-29 to 107 °C).

☐ Optional: Crane Type 2, EPR/Carbon-Tungsten 170 psig (12 bar) max. suction pressure, Temp. range: -20 to 250°F (-29 to 121 °C).

Standard Seal Construction, 300 PSIG (20 Bar) working pressure, 250# ANSI flanges.

☐ Optional: Crane Type 2, EPR/Carbon-Tungsten, 170 psig (12 bar) max. suction pressure Temp. range: -20 to 250°F (-29 to 121 °C).

-S Construction, 300 PSIG (20 Bar) working pressure, 250# ANSI flanges. External flush line to seal.

☐ Standard: -S Configuration, Durametallic RO, EPR/Carbon-Tungsten, 240 psig (16 bar) max. suction pressure, Temp. range: -20 to 300 °F* (-29 to 149 °C).

*For operating temperatures above 250°F, a cooled flush is required. On systems, cooling is accomplished by inserting the brazed place heat exchanger kit in the flush line to cool the fluid.

MATERIALS OF CONSTRUCTION

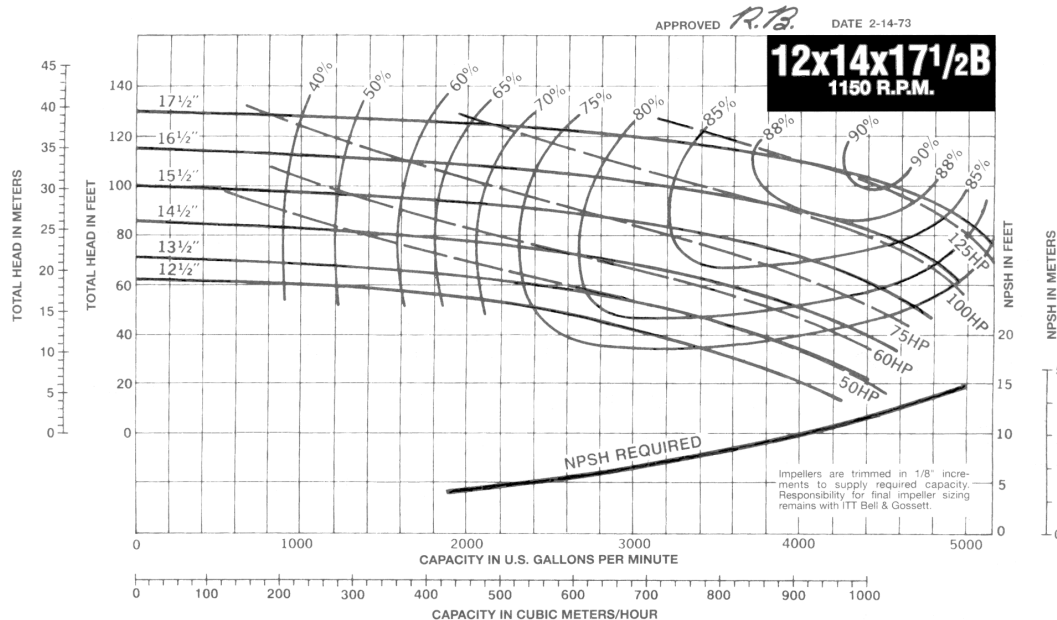
☒ BRONZE FITTED

FEATURES

☒ ANSI/OSHA Coupling Guard

☒ Center Drop Out Spacer Coupling

☒ Fabricated Heavy Duty Baseplate



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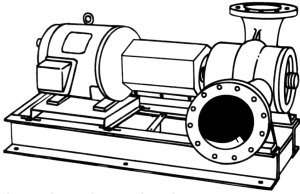
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*For operating temperatures above 250°F, a cooled flush is required. On systems, cooling is accomplished by inserting the brazed place heat exchanger kit in the flush line to cool the fluid.

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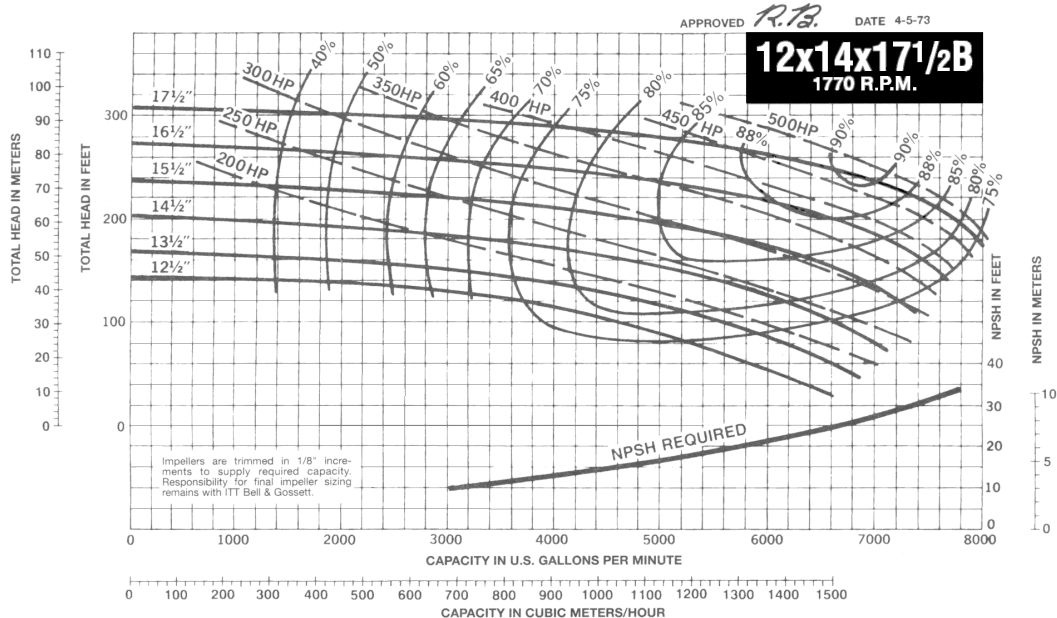
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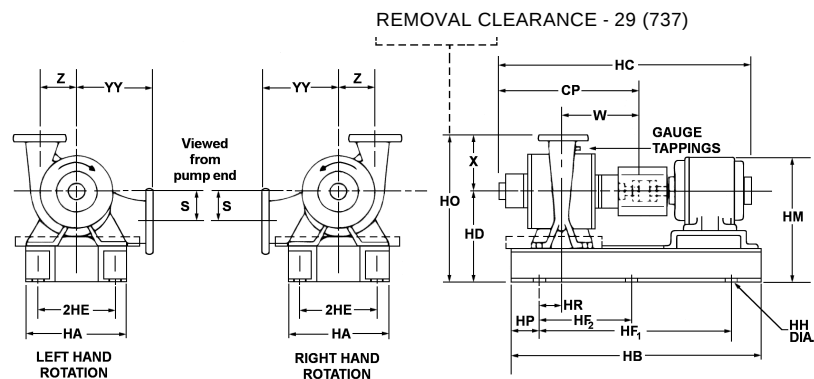
FEATURES

☒ ANSI/OSHA Coupling Guard

☒ Center Drop Out Spacer Coupling

☒ Fabricated Heavy Duty Baseplate





RIGHT HAND ROTATION IS FURNISHED UNLESS OTHERWISE SPECIFIED.

NOTE: EPDM COUPLINGS ARE STANDARD ON PUMPS WITH MOTOR FRAME SIZES THRU 324T.

FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	12" (305)	2 (51)	20 (508)
Suction	14" (356)	2-1/8 (54)	22-3/8 (568)

DIMENSIONS – Inches (mm)

STANDARD SEAL VSCS & STUFFING BOX VSCS-S

MOTOR FRAME	DIMENSIONS - INCHES (MM)																	
	CP	HA	HB	HC MAX.	HD	2HE	HF ₁	HF ₂	HH	HM MAX.	HO	HP	HR	S	W	X	YY	Z
404T	34 (864)	32 (813)	71 (1803)	76-5/8 (1946)	23-1/2 (597)	33 (838)	59 (1499)	29-1/2 (749)	1-1/8 (29)	35-3/8 (899)	45-1/4 (1149)	6 (152)	3-3/4 (95)	7-3/4 (197)	19-1/2 (495)	21-3/4 (552)	25 (635)	13-1/2 (343)
405T	34 (864)	32 (813)	71 (1803)	78-1/8 (1984)	23-1/2 (597)	33 (838)	59 (1499)	29-1/2 (749)	1-1/8 (29)	35-3/8 (899)	45-1/4 (1149)	6 (152)	3-3/4 (95)	7-3/4 (197)	19-1/2 (495)	21-3/4 (552)	25 (635)	13-1/2 (343)
444T	34 (864)	36 (914)	81 (2057)	83-1/4 (2115)	23-1/2 (597)	33 (838)	69 (1753)	34-1/2 (876)	1-1/8 (29)	36 (914)	45-1/4 (1149)	6 (152)	4-1/2 (114)	7-3/4 (197)	19-1/2 (495)	21-3/4 (552)	25 (635)	13-1/2 (343)
445T	34 (864)	36 (914)	71 (1803)	85-1/4 (2165)	23-1/2 (597)	33 (838)	69 (1753)	34-1/2 (876)	1-1/8 (29)	36 (914)	45-1/4 (1149)	6 (152)	4-1/2 (114)	7-3/4 (197)	19-1/2 (495)	21-3/4 (552)	25 (635)	13-1/2 (343)
444TS	34 (864)	36 (914)	81 (2057)	79-1/2 (2019)	23-1/2 (597)	33 (838)	69 (1753)	34-1/2 (876)	1-1/8 (29)	36 (914)	45-1/4 (1149)	6 (152)	4-1/2 (114)	7-3/4 (197)	19-1/2 (495)	21-3/4 (552)	25 (635)	13-1/2 (343)
445TS	34 (864)	36 (914)	81 (2057)	81-1/2 (2070)	23-1/2 (597)	33 (838)	69 (1753)	34-1/2 (876)	1-1/8 (29)	36 (914)	45-1/4 (1149)	6 (152)	4-1/2 (114)	7-3/4 (197)	19-1/2 (495)	21-3/4 (552)	25 (635)	13-1/2 (343)
250 HP & Larger Consult Factory	34 (864)	36 (914)	*	*	23-1/2 (597)	33 (838)	*	*	1-1/8 (29)	*	45-1/4 (1149)	6 (152)	4-1/2 (114)	7-3/4 (197)	19-1/2 (495)	21-3/4 (552)	25 (635)	13-1/2 (343)

Dimensions are subject to change. Not to be used for construction purposes unless certified.

*Varies with motor manufacturer. 250HP and over consult factory.

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xylem
Let's Solve Water

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