

JOB:

REPRESENTATIVE:

UNIT TAG:

ORDER NO.

DATE:

ENGINEER:

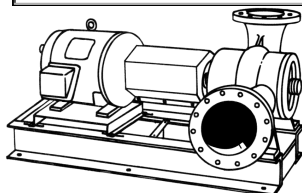
SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



10x12x13

VSCS Centrifugal Pumps

Base Mounted - Double suction

SPECIFICATIONS

FLOW _____ HEAD _____

HP _____ RPM _____

VOLTS _____

CYCLE _____ PHASE _____

ENCLOSURE _____

APPROX. WEIGHT _____

SPECIALS _____

MATERIALS OF CONSTRUCTION

☒ BRONZE FITTED

FEATURES

- ☒ ANSI/OSHA Coupling Guard
- ☒ Center Drop Out Spacer Coupling
- ☒ Fabricated Heavy Duty Baseplate

TYPE OF SEAL

Standard Seal Construction, 175 PSIG (12 Bar) working pressure, 125# ANSI flanges.
std. flush(-F)

- ☐ ☐ Standard: Crane Type 21, Buna/Carbon-Ceramic, 90 psig (6 bar) max. suction pressure
Temp. range: -20 to 225°F (-29 to 107 °C).
- ☐ ☐ Optional: Crane Type 21, EPR/Carbon-Tungsten 90 psig (6 bar) max. suction pressure,
Temp. range: -20 to 250 °F (-29 to 121 °C).
- ☐ ☐ Optional: Crane Type 2, Buna/Carbon-Ceramic, 175 psig (6 bar) max. suction pressure
Temp. range: -20 to 225 °F (-29 to 107 °C).

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

- ☐ ☐ Standard: Crane Type 2, Buna/Carbon-Ceramic, 180 psig (12 bar) max. suction pressure
Temp. range: -20 to 225°F (-29 to 107 °C).
- ☐ ☐ Optional: Crane Type 2, EPR/Carbon-Tungsten, 240 psig (16 bar) max. suction pressure
Temp. range: -20 to 250 °F (-29 to 121 °C).

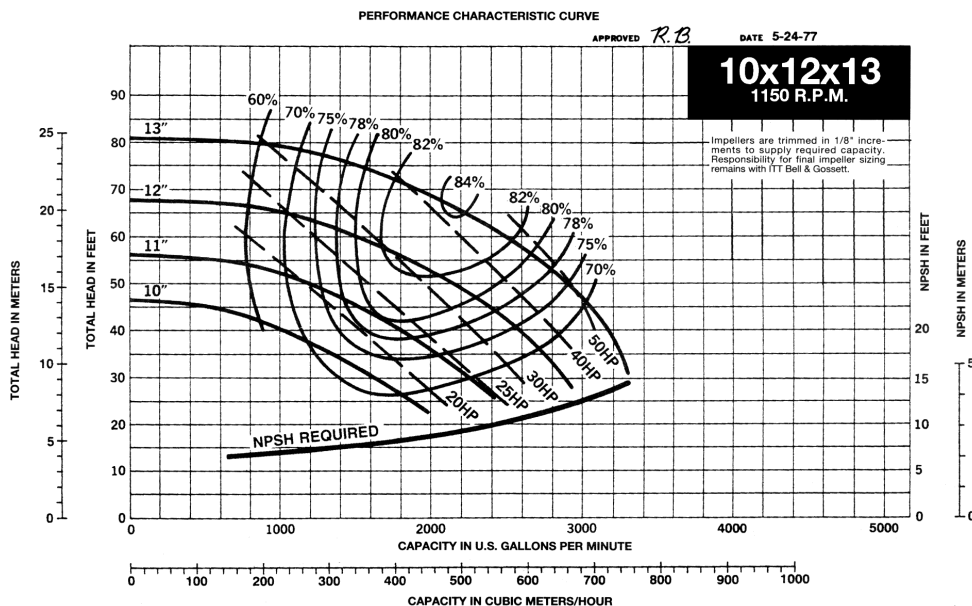
Stuffing Box Construction, 175 PSIG (12 Bar) working press., 125# ANSI flanges. External flush to seal.

- ☐ Standard: -S Configuration, Durametallic RO, EPR/Carbon-Tungsten, 175 psig (12 bar) max. suction
pressure, Temp. range: -20 to 300 °F* (-29 to 149 °C).
- ☐ Optional: -PF Configuration
Packing (Non-Asbestos)

Stuffing Box Construction, 300 PSIG (20 Bar) working press., 250# ANSI flanges. External flush to seal.

- ☐ Standard: -S Configuration, Durametallic RO, EPR/Carbon-Tungsten, 300 PSIG (20 Bar) max. suction
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*For operating temperatures above 250°F, a cooled flush is required. On closed systems, cooling is accomplished by inserting the brazed place heat exchanger kit in the flush line to cool the fluid.



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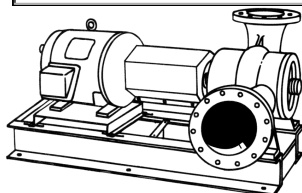
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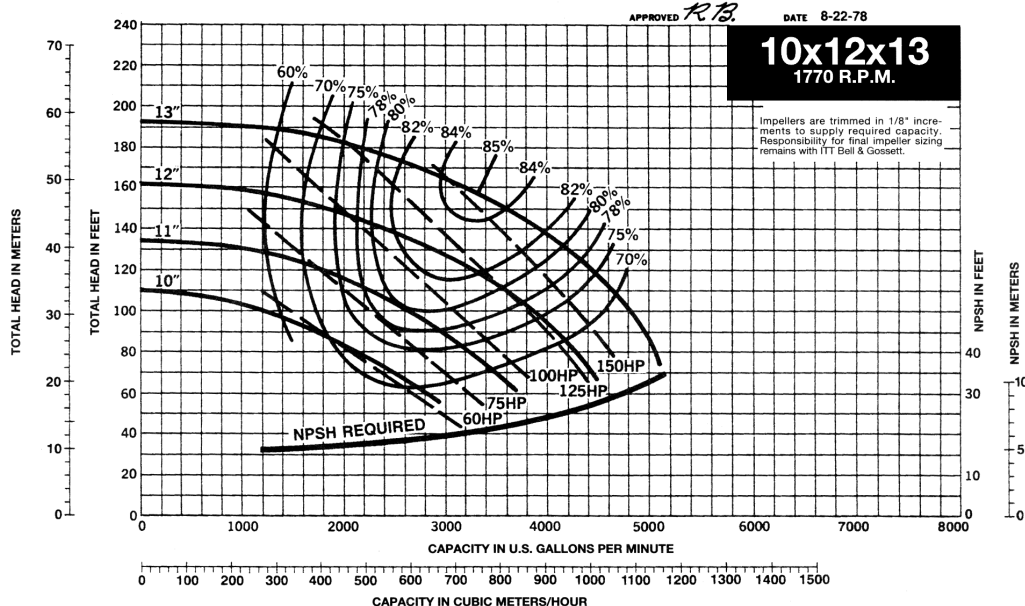
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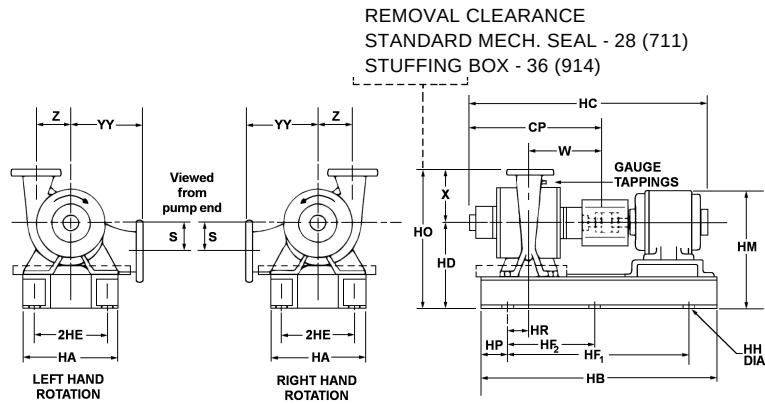
- ☐ Standard: -S Configuration, Durametallic RO, EPR/Carbon-Tungsten, 300 PSIG (20 Bar) max. suction
pressure, Temp. range: -20 to 300 °F* (-29 to 149 °C).

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Series VSCS 10x12x13 Centrifugal Pump Submittal

B-446.5D



FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	10" (254)	1-7/8 (48)	17 (432)
Suction	12" (305)	2 (51)	20 (508)

RIGHT HAND ROTATION IS FURNISHED UNLESS OTHERWISE SPECIFIED.
NOTE: EPDM COUPLINGS ARE STANDARD ON PUMPS WITH MOTOR FRAME SIZES THRU 324T.

DIMENSIONS - Inches (mm)

STANDARD SEAL VSCS, VSCS-F

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
286T	31-1/2 (800)	32 (813)	71 (1803)	60-1/2 (1537)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	28 (711)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	16 (406)	17 (432)	21 (533)	11 (279)
324T	31-1/2 (800)	32 (813)	71 (1803)	62-1/2 (1588)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	29-1/8 (740)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	16 (406)	17 (432)	21 (533)	11 (279)
326T	31-1/2 (800)	32 (813)	71 (1803)	64 (1626)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	29-1/8 (740)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	16 (406)	17 (432)	21 (533)	11 (279)
364TS	31-1/2 (800)	32 (813)	71 (1803)	64-1/8 (1629)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	30-1/4 (768)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	16 (406)	17 (432)	21 (533)	11 (279)
365TS	31-1/2 (800)	32 (813)	71 (1803)	64-3/4 (1645)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	30-1/4 (768)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	16 (406)	17 (432)	21 (533)	11 (279)
404TS	31-1/2 (800)	32 (813)	71 (1803)	67 (1702)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	31-7/8 (810)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	16 (406)	17 (432)	21 (533)	11 (279)
405TS	31-1/2 (800)	32 (813)	71 (1803)	68-1/2 (1740)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	31-7/8 (810)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	16 (406)	17 (432)	21 (533)	11 (279)
444TS	31-1/2 (800)	32 (813)	71 (1803)	72-7/8 (1851)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	32-1/2 (826)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	16 (406)	17 (432)	21 (533)	11 (279)
445TS	31-1/2 (800)	32 (813)	71 (1803)	74-7/8 (1902)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	32-1/2 (826)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	16 (406)	17 (432)	21 (533)	11 (279)

STUFFING BOX VSCS-PF, VSCS-S, VSCS-D

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
286T	35-5/8 (905)	32 (813)	71 (1803)	68-3/4 (1746)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	28 (711)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	20-1/8 (511)	17 (432)	21 (533)	11 (279)
324T	35-5/8 (905)	32 (813)	71 (1803)	70-3/4 (1797)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	29-1/8 (740)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	20-1/8 (511)	17 (432)	21 (533)	11 (279)
326T	35-5/8 (905)	32 (813)	71 (1803)	72-1/4 (1835)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	29-1/8 (740)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	20-1/8 (511)	17 (432)	21 (533)	11 (279)
364TS	35-5/8 (905)	32 (813)	71 (1803)	72-3/8 (1838)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	30-1/4 (768)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	20-1/8 (511)	17 (432)	21 (533)	11 (279)
365TS	35-5/8 (905)	32 (813)	71 (1803)	73 (1854)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	30-1/4 (768)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	20-1/8 (511)	17 (432)	21 (533)	11 (279)
404TS	35-5/8 (905)	32 (813)	71 (1803)	75-1/4 (1911)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	31-7/8 (810)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	20-1/8 (511)	17 (432)	21 (533)	11 (279)
405TS	35-5/8 (905)	32 (813)	71 (1803)	76-3/4 (1949)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	31-7/8 (810)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	20-1/8 (511)	17 (432)	21 (533)	11 (279)
444TS	35-5/8 (905)	32 (813)	71 (1803)	81-1/8 (2061)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	32-1/2 (826)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	20-1/8 (511)	17 (432)	21 (533)	11 (279)
445TS	35-5/8 (905)	32 (813)	71 (1803)	83-1/8 (2111)	20 (508)	29-1/2 (749)	59 (1499)	29-1/2 (749)	1-1/8 (29)	32-1/2 (826)	37 (940)	6 (152)	3-3/4 (95)	6-1/2 (165)	20-1/8 (511)	17 (432)	21 (533)	11 (279)

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

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