



JOB: Misc - Shan

REPRESENTATIVE: Hydronic Technology, Inc.

UNIT TAG:

ORDER NO.

DATE: 5/22/2017

ENGINEER:

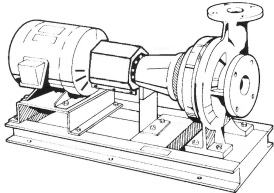
SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



2BD Series e-1510 Centrifugal Pumps - Base Mounted

SPECIFICATIONS

FLOW	200 (GPM)	HEAD	80 (FT)
HP	7.5	RPM	1800
VOLTS	208-230/460		
CYCLE	60	PHASE	3
ENCLOSURE	ODP Nema Premium Efficient		
APPROX. WEIGHT	335		
SPECIALS			

MATERIALS OF CONSTRUCTION

☒ Stainless Steel Fitted

FEATURES

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

MAXIMUM WORKING PRESSURE

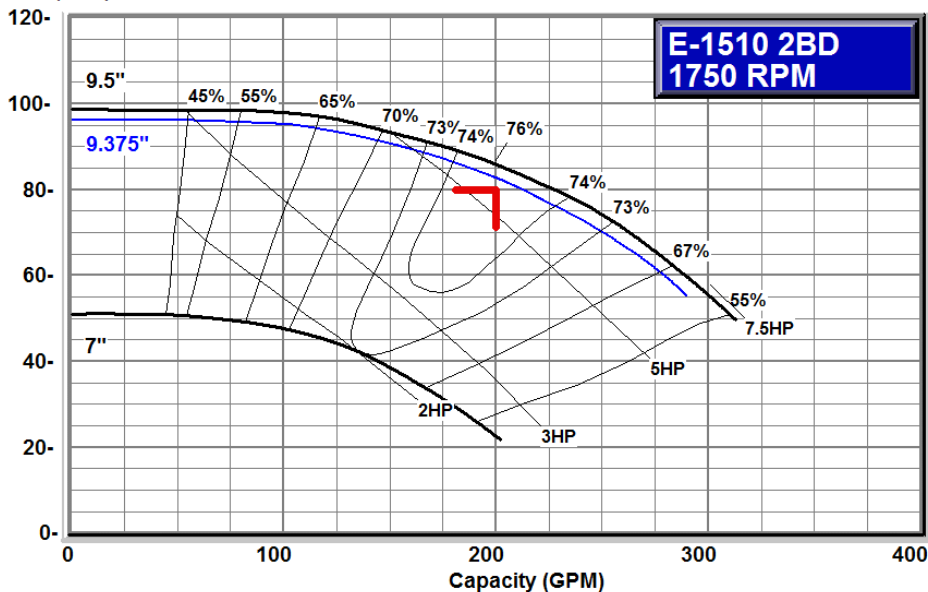
- ☒ 175 psi (12 bar) W.P.
w/ 125# ANSI flange drilling

TYPE OF SEAL

- ☒ Standard Seal
(Buna-Carbon/Ceramic)
- ☐ -F Standard Seal w/ Flush Line
(Buna-Carbon/Ceramic)
- ☐ -S Stuffing Box Construction w/ Flushed
Mechanical Single Seal
(EPR-Tungsten Carbide/Carbon)
- ☐ -PF Stuffing Box Construction w/ Packing
(Graphite Impregnated Teflon)

Note: Equipped with NEOPRENE coupling

HEAD (Feet)



Design Capacity = 200.0 GPM
Design Head = 80.0 Feet

Suction Size = 2.5 "
Suct. Velocity = 13.4 fps
Discharge Size = 2 "
Disc. Velocity = 19.1 fps

Min. Imp. Dia. = 7 "
Max. Imp. Dia. = 9.5 "
Cut Dia. = 9.375 "

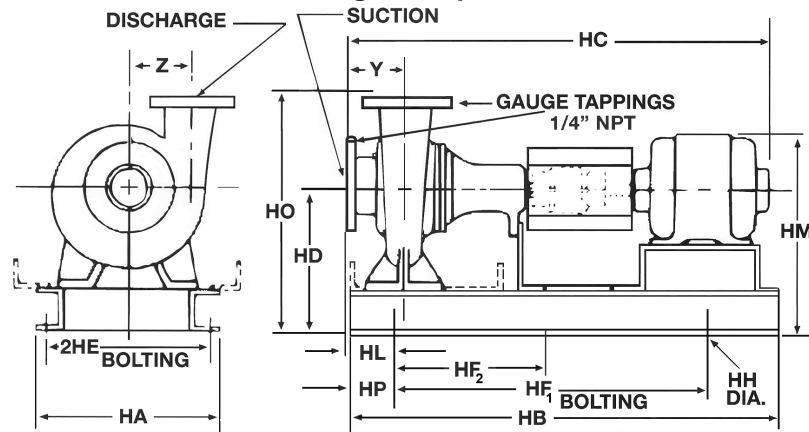
Max. Flow = 306 GPM
B.E.P. Flow = 204 GPM

Eff. @ Duty-Point = 75.21 %
Motor Size = 7.5 HP

B.H.P. @
Duty-Point = 5.49 BHP
Max. B.H.P. for
Imp. Cut = 6.85 BHP

Series e-1510 2BD Centrifugal Pump Submittal

B-880.18B



FLANGE DIMENSIONS IN INCHES (MM)			
	SIZE	THICKNESS	O.D.
Discharge	2"	7/8" (22)	6-1/4" (159)
Suction	2-1/2"	1" (25)	7-3/8" (187)

FLANGES ARE 125# ANSI - STANDARD

DIMENSIONS – Inches (mm)

STANDARD SEAL

MOTOR FRAME	HA	HB	HC MAX	HD	2HE	HF ₁	HF ₂	HH	HL	HM MAX	HO	HP	Y	Z
"S" FRAME														
143T	14-5/8 (371)	31 (787)	29-1/2 (749)	10-3/4 (273)	12-7/8 (327)	25 (635)	-	3/4 (19)	2-11/16 (68)	14-1/2 (368)	17-3/4 (451)	3 (76)	4 (102)	5-7/8 (149)
145T	14-5/8 (371)	31 (787)	30-1/2 (775)	10-3/4 (273)	12-7/8 (327)	25 (635)	-	3/4 (19)	2-11/16 (68)	14-1/2 (368)	17-3/4 (451)	3 (76)	4 (102)	5-7/8 (149)
182T	14-5/8 (371)	31 (787)	33-1/8 (841)	10-3/4 (273)	12-7/8 (327)	25 (635)	-	3/4 (19)	2-11/16 (68)	16 (406)	17-3/4 (451)	3 (76)	4 (102)	5-7/8 (149)
184T	14-5/8 (371)	31 (787)	33-7/8 (860)	10-3/4 (273)	12-7/8 (327)	25 (635)	-	3/4 (19)	2-11/16 (68)	16 (406)	17-3/4 (451)	3 (76)	4 (102)	5-7/8 (149)
➔ 213T	14-5/8 (371)	34-5/8 (879)	36-1/2 (927)	10-3/4 (273)	12-7/8 (327)	28-5/8 (727)	-	3/4 (19)	2-11/16 (68)	16-5/8 (422)	17-3/4 (451)	3 (76)	4 (102)	5-7/8 (149)
"L" FRAME														
215T	14-5/8 (371)	39-3/8 (1000)	42-3/8 (1076)	10-3/4 (273)	12-7/8 (327)	33-3/8 (848)	-	3/4 (19)	2-11/16 (68)	16-5/8 (422)	17-3/4 (451)	3 (76)	4 (102)	5-7/8 (149)
254T	16 (406)	46-1/2 (1181)	46-1/8 (1172)	12 (305)	14 (356)	36-1/2 (927)	18-1/4 (464)	7/8 (22)	3-13/16 (97)	18-7/8 (479)	19 (483)	5 (127)	4 (102)	5-7/8 (149)
256T	16 (406)	46-1/2 (1181)	47-7/8 (1216)	12 (305)	14 (356)	36-1/2 (927)	18-1/4 (464)	7/8 (22)	3-13/16 (97)	18-7/8 (479)	19 (483)	5 (127)	4 (102)	5-7/8 (149)
284TS	16 (406)	46-1/2 (1181)	47-1/8 (1197)	13 (330)	14 (356)	36-1/2 (927)	18-1/4 (464)	7/8 (22)	3-13/16 (97)	21 (533)	20 (508)	5 (127)	4 (102)	5-7/8 (149)
286TS	16 (406)	46-1/2 (1181)	48-5/8 (1235)	13 (330)	14 (356)	36-1/2 (927)	18-1/4 (464)	7/8 (22)	3-13/16 (97)	21 (533)	20 (508)	5 (127)	4 (102)	5-7/8 (149)
324TS	16 (406)	46-1/2 (1181)	50-5/8 (1286)	12 (305)	14 (356)	36-1/2 (927)	18-1/4 (464)	7/8 (22)	3-13/16 (97)	21-1/8 (537)	19 (483)	5 (127)	4 (102)	5-7/8 (149)
326TS	16 (406)	46-1/2 (1181)	52-1/8 (1324)	12 (305)	14 (356)	36-1/2 (927)	18-1/4 (464)	7/8 (22)	3-13/16 (97)	21-1/8 (537)	19 (483)	5 (127)	4 (102)	5-7/8 (149)

STUFFING BOX

MOTOR FRAME	HA	HB	HC MAX	HD	2HE	HF ₁	HF ₂	HH	HL	HM MAX	HO	HP	Y	Z
"S" FRAME														
143T	14-5/8 (371)	34-5/8 (879)	33 (838)	10-3/4 (273)	12-7/8 (327)	28-5/8 (727)	-	3/4 (19)	2-11/16 (68)	14-1/2 (368)	17-3/4 (451)	3 (76)	4 (102)	5-7/8 (149)
145T	14-5/8 (371)	34-5/8 (879)	34 (864)	10-3/4 (273)	12-7/8 (327)	28-5/8 (727)	-	3/4 (19)	2-11/16 (68)	14-1/2 (368)	17-3/4 (451)	3 (76)	4 (102)	5-7/8 (149)
182T	14-5/8 (371)	34-5/8 (879)	36-3/4 (933)	10-3/4 (273)	12-7/8 (327)	28-5/8 (727)	-	3/4 (19)	2-11/16 (68)	16 (406)	17-3/4 (451)	3 (76)	4 (102)	5-7/8 (149)
184T	14-5/8 (371)	34-5/8 (879)	37-1/2 (953)	10-3/4 (273)	12-7/8 (327)	28-5/8 (727)	-	3/4 (19)	2-11/16 (68)	16 (406)	17-3/4 (451)	3 (76)	4 (102)	5-7/8 (149)
213T	14-5/8 (371)	39-3/8 (1000)	40 (1016)	10-3/4 (273)	12-7/8 (327)	33-3/8 (848)	-	3/4 (19)	2-11/16 (68)	16-5/8 (422)	17-3/4 (451)	3 (76)	4 (102)	5-7/8 (149)
"L" FRAME														
215T	16 (406)	46-1/2 (1181)	44-3/4 (1137)	12 (305)	14 (356)	36-1/2 (927)	18-1/4 (464)	7/8 (22)	3-13/16 (97)	17-7/8 (454)	19 (483)	5 (127)	4 (102)	5-7/8 (149)
254T	16 (406)	51-3/4 (1314)	48-1/2 (1232)	12 (305)	14 (356)	41-3/4 (1060)	20-7/8 (530)	7/8 (22)	3-13/16 (97)	18-7/8 (479)	19 (483)	5 (127)	4 (102)	5-7/8 (149)
256T	16 (406)	51-3/4 (1314)	50-1/4 (1276)	12 (305)	14 (356)	41-3/4 (1060)	20-7/8 (530)	7/8 (22)	3-13/16 (97)	18-7/8 (479)	19 (483)	5 (127)	4 (102)	5-7/8 (149)
284TS	16 (406)	51-3/4 (1314)	49-5/8 (1260)	13 (330)	14 (356)	41-3/4 (1060)	20-7/8 (530)	7/8 (22)	3-13/16 (97)	21 (533)	20 (508)	5 (127)	4 (102)	5-7/8 (149)
286TS	16 (406)	51-3/4 (1314)	51-1/8 (1299)	13 (330)	14 (356)	41-3/4 (1060)	20-7/8 (530)	7/8 (22)	3-13/16 (97)	21 (533)	20 (508)	5 (127)	4 (102)	5-7/8 (149)
324TS	16 (406)	51-3/4 (1314)	53 (1346)	12 (305)	14 (356)	41-3/4 (1060)	20-7/8 (530)	7/8 (22)	3-13/16 (97)	21-1/8 (537)	19 (483)	5 (127)	4 (102)	5-7/8 (149)
326TS	16 (406)	51-3/4 (1314)	54-1/2 (1384)	12 (305)	14 (356)	41-3/4 (1060)	20-7/8 (530)	7/8 (22)	3-13/16 (97)	21-1/8 (537)	19 (483)	5 (127)	4 (102)	5-7/8 (149)

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



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