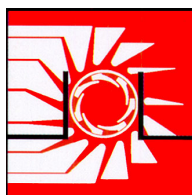
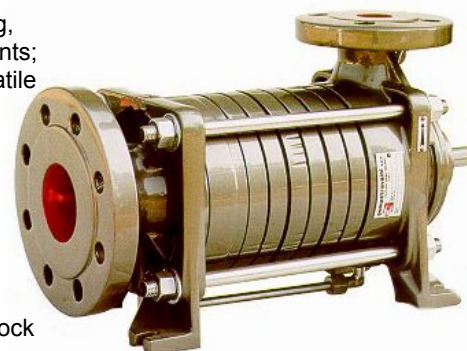


TBA 310 Low NPSH Self-Priming Multi Stage Centrifugal Pump



TRAVAINI

- HEAD** : 50 to 790 FT.
CAPACITY : 19 to 40 USGPM
FEATURES : Self-priming multi stage centrifugal pumps with horizontal mounting, end suction and top discharge flanges; Very low NPSH requirements; They are suitable for handling boiling liquids & other difficult or volatile liquids; Especially suited to handle liquids with entrained gases & liquefied gases such as LPG; Low operating speed; Parts are interchangeable with the TBH series, thus reducing need to stock spare parts for both series; Low vibration, low noise level; impellers individually hydraulically balanced to eliminate end thrust forces to bearings; Max. discharge pressure 40 bar at 120°C; 34 bar at 160°C
SHAFT SEALING : Mechanical seal - Double mechanical seal optional
OPTIONS : Bareshaft pump - Coupled to electric motor on baseplate - Monoblock
ACCESSORIES : Cooled or heated seal housing are available; Optional upgrade to Mechanical seal with Silica Carbide or Tungsten Carbide faces



TECHNICAL DATA at 1750 RPM (60 HZ)

CAPACITY	USGPM	19		23		27		32		36		40	
	m ³ /h	4.32		5.22		6.13		7.26		8.18		9.10	
MODEL		FT	HP	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP
TBA 311	Flange size In 2 1/2" Out 1 1/4"	131	2.9	118	2.6	98	2.3	75	1.9	66	1.6	46	1.4
TBA 312		250	5.1	220	4.5	181	4.0	137	3.2	109	2.7	73	2.2
TBA 313		369	7.2	322	6.4	265	5.6	199	4.6	152	3.8	100	3.1
TBA 314		488	9.4	424	8.3	348	7.3	261	5.9	195	4.9	127	3.9
TBA 315		608	11.6	527	10.3	432	8.9	323	7.3	238	5.9	155	4.7
TBA 316		727	13.7	629	12.2	515	10.6	385	8.6	281	7.0	182	5.5
NPSH	FT	4.3		4.4		4.6		5.1		5.8		7.2	
*ΔNPSH		0.79		0.79		0.79		0.79		0.79		0.79	

*ΔNPSH - Minimum positive head required for liquids in boiling conditions

MODEL DESIGNATION

STANDARD MATERIALS OF CONSTRUCTION **						
Part No.	Description	GH	RA	A3	B2	GP
106	Suction casing	Ductile iron		Stainless steel AISI 316	Bronze	Ductile iron
107	Discharge casing	Ductile iron				Ductile iron
109 114 149	Port plate & Diffuser	Cast iron				Cast iron
210	Shaft	S.S. AISI 420				S.S. AISI 420
230	Impeller	Brass			Bronze	Brass
310.1	Element bush	---		Carbon	---	Bronze
357	Bearing & mech. seal housing	Cast iron				

T B A 313 A / 2 - R / A3 - M	
T	Travaini manufacturer
B	Self-priming multistage centrifugal pump
A	Type of construction
31	Pump size
3	Number of stages
A	Modification of hydraulics
2 - R	Construction modifications - Single mechanical seal
C	Shaft sealing C = Mechanical seal CC = Double mec .seal back to back C2 = Double mec. seal in tandem
A3	Materials of construction (see table)
M	Close coupled with lantern (opt.)

**Special Materials Available Upon Request

-For further information please consult Premier Fluid Systems Inc.



Premier Fluid Systems
Canadian Home Of Travaini Pumps