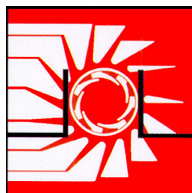


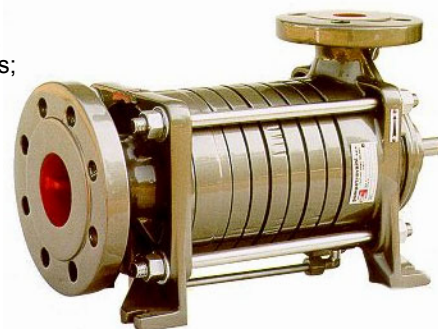
TBA 650

Self-Priming Multi Stage Centrifugal Pump



TRAVAINI

- HEAD** : 40 to 1000 FT.
CAPACITY : 80 to 190 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 volatile liquids; Especially suited to handle liquids with entrained gases and 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

CAPACITY	USGPM	85		105		125		145		165		185	
	m ³ /h	12.49		14.76		17.03		19.30		21.58		23.85	
MODEL		FT	HP	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP
TBA 651	Flange size In 4" Out 2 1/2"	249	20	220	18.4	187	16.3	148	14.3	98	12.9	39	10.9
TBA 652		449	36	393	32	328	28	256	25	163	20	80	17.3
TBA 653		650	52	565	46	469	40	363	35	227	28	122	24
TBA 654		850	67	738	60	610	52	471	45	292	35	163	30
TBA 655		1050	83	910	74	751	64	579	56	357	43	204	37
TBA 656		--	--	1083	88	892	76	687	66	422	50	245	43
NPSH	FT	4.7		4.7		4.8		5.0		5.5		5.9	
*ΔNPSH		1.6		1.6		1.6		1.6		1.6		1.6	

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

Standard Materials of Construction **

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					
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				

**Special Materials Available Upon Request

-For further information please consult Premier Fluid Systems Inc.

MODEL DESIGNATION

T B A 653 A / 2 - R / A3 - M	
T	Travaini manufacturer
B	Self-priming multistage centrifugal pump
A	Type of construction
65	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.)



Premier Fluid Systems
 Canadian Home Of Travaini Pumps

March/2002
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