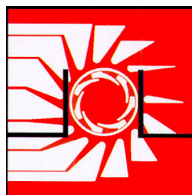
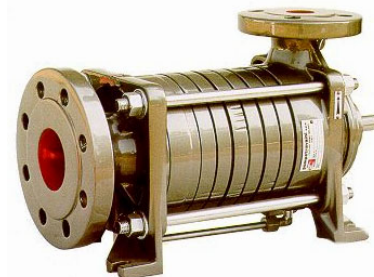


# TBA 400 Self-Priming Multi Stage Centrifugal Pump



# TRAVAINI

- HEAD** : 60 to 930 FT.  
**CAPACITY** : 32 to 64 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 at 1750 RPM (60 HZ)

CAPACITY	USGPM	32		38		44		50		56		63	
	m <sup>3</sup> /h	7.27		8.63		10.00		11.35		12.71		14.30	
MODEL		FT	HP	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP
TBA 401	Flange size In 3" Out 1 1/2"	197	5.4	174	5.0	144	4.4	118	3.7	92	3.1	62	2.7
TBA 402		372	10.3	323	8.4	272	8.3	222	7.3	173	6.2	115	5.3
TBA 403		548	15.2	472	13.8	400	12.3	325	10.9	253	9.4	168	7.9
TBA 404		724	20	621	18.2	528	16.2	429	14.5	334	12.5	221	10.5
TBA 405		899	25	770	23	656	20	532	18.2	414	15.6	274	13.2
TBA 406		--	--	919	27	784	24	636	22	495	18.7	327	15.8
NPSH	FT	3.6		3.8		3.9		4.2		4.5		4.9	
*ΔNPSH		1.0		1.2		1.4		1.6		1.8		2.0	

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

## 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	Cast iron				Cast iron	
109 114 149	Port plate & Diffuser	S.S. AISI 420				S.S. AISI 420	
210	Shaft	Brass			Bronze	Brass	
230	Impeller	---		Carbon	---	Bronze	
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 403 A / 2 - R / A3 - M	
T	Travaini manufacturer
B	Self-priming multistage centrifugal pump
A	Type of construction
40	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