

# TBH 1000

## Self-Priming Multi Stage Centrifugal Pump



# TRAVAINI

- HEAD** : 70 to 440 FT.  
**CAPACITY** : 170 to 350 USGPM  
**FEATURES** : Self-priming multi stage centrifugal pumps with horizontal mounting, side suction and top discharge flanges; capable of handling clean and not abrasive liquids even if mixed with gas or vapor; Low operating speed, 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 seals optional  
**OPTIONS** : Bareshaft pump - Coupled to electric motor on baseplate  
**ACCESSORIES** : Cooled or heated seal housing are available; Optional upgrade to Mechanical seals with Silica Carbide or Tungsten Carbide faces



### TECHNICAL DATA at 1750 RPM (60 HZ)

CAPACITY	USGPM	170		210		250		290		330		350	
	m <sup>3</sup> /h	38.61		47.70		56.78		65.87		74.95		79.5	
MODEL	Flange size In 4" Out 3"	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP
TBH 1001		207	38	184	33	144	27	118	26	75	22	50	20
TBH 1002		408	70	357	60	288	52	225	46	179	38	90	34
TBH 1003		--	--	--	--	408	80	332	68	222	56	130	48
<b>NPSH</b>	<b>FT</b>	10.5		13.1		13.8		18.4		22		25	

### MODEL DESIGNATION

T B H 1003 A / 2 - C / A3 - M	
T	Travaini manufacturer
B	Self-priming multistage centrifugal pump
H	Type of construction
100	Pump size
3	Number of stages, each side
A	Modification of hydraulics
2	Construction modifications
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.)

### 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	
310.1	Element bush	---		Carbon	---	Bronze
357	Bearing & mech. seal housing	Cast iron		Cast iron with Stainless steel insert		Cast iron
147	Manifold	Carbon Steel		S.S. AISI 316		Carbon Steel

\*\*Special Materials Available Upon Request

-For further information please consult Premier Fluid Systems Inc.



**Premier Fluid Systems**  
 Canadian Home Of Travaini Pumps