

# TBH 300

## Self-Priming Multi Stage Centrifugal Pump



# TRAVAINI

- HEAD** : 50 to 725 FT.  
**CAPACITY** : 5 to 25 USGPM  
**FEATURES** : Self-priming multi stage centrifugal pumps with horizontal mounting, top suction and discharge flanges; Capable of handling clean and not abrasive liquids even if mixed with gases 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 OPTIONS** : Mechanical seal - Double mechanical seals optional  
**ACCESSORIES** : Bareshaft pump - Coupled to electric motor on baseplate - Monoblock  
 : 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	5		10		15		18		22		25	
	m <sup>3</sup> /h	1.14		2.27		3.41		4.10		5.00		5.70	
MODEL	Flange size In/Out 1 1/4"	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP
TBH 301		190	2.4	151	2.0	125	1.6	98	1.4	66	1.2	46	1.0
TBH 302		364	4.7	294	4.0	230	3.2	182	2.8	122	2.3	82	1.9
TBH 303		538	7.0	437	5.9	335	4.8	267	4.2	178	3.5	117	2.8
TBH 304		712	9.3	580	7.9	440	6.4	351	5.6	234	4.6	153	3.7
TBH 305		886	11.6	723	9.8	545	8.1	436	7.1	291	5.7	188	4.6
TBH 306		--	--	866	11.8	650	9.7	520	8.5	347	6.8	224	5.5
<b>NPSH</b>	<b>FT</b>	4.9		4.9		5.4		6.6		9.2		11.8	

### STANDARD MATERIALS OF CONSTRUCTION \*\*

Part No.	Description	GH		RA		A3		B2		GP	
106	Suction casing	Ductile iron		Stainless steel AISI 316		Bronze		S.S. AISI 420		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		Cast iron with Stainless steel insert						Cast iron	

### MODEL DESIGNATION

T B H 303 A / 1 - C / A3 - M	
T	Travaini manufacturer
B	Self-priming multistage centrifugal pump
H	Type of construction
30	Pump size
3	Number of stages
A	Modification of hydraulics
1	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.)

\*\*Special Materials Available Upon Request  
 -For further information please consult Premier Fluid Systems Inc.



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