

# TBH 310

## Self-Priming Multi Stage Centrifugal Pump



# TRAVAINI

- HEAD** : 30 to 725 FT.  
**CAPACITY** : 19 to 40 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** : Mechanical seal - Double mechanical seals optional  
**OPTIONS** : Bareshaft pump - Coupled to electric motor on baseplate - Monoblock  
**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	19		23		27		32		36		40	
	m <sup>3</sup> /h	4.32		5.22		6.13		7.26		8.18		9.10	
MODEL	Flange size In/Out 1 1/4"	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP
TBH 311		118	2.4	98	2.0	82	1.6	62	1.4	43	1.1	26	0.8
TBH 312		239	4.6	202	4.0	167	3.3	116	2.8	84	2.2	50	1.6
TBH 313		361	6.8	306	5.9	253	5.0	171	4.1	124	3.2	75	2.4
TBH 314		482	9.0	410	7.9	338	6.7	225	5.5	165	4.3	99	3.2
TBH 315		603	11.2	515	9.9	423	8.5	280	6.8	206	5.4	124	4.1
TBH 316		725	13.4	619	11.9	508	10.2	334	8.2	247	6.5	148	4.9
<b>NPSH</b>	<b>FT</b>	7.5		8.2		9.8		13.8		17.7		21.7	

### STANDARD MATERIALS OF CONSTRUCTION \*\*

Part No.	Description	GH	RA	A3	B2	GP
		106	Suction casing	Ductile iron		Stainless steel AISI 316
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

### MODEL DESIGNATION

T B H 313 A / 1 - C / A3 - M	
T	Travaini manufacturer
B	Self-priming multistage centrifugal pump
H	Type of construction
31	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