

# TBH 290

## Self-Priming Multi Stage Centrifugal Pump



# TRAVAINI

- HEAD** : 50 to 875 FT.  
**CAPACITY** : 3 to 20 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	3		6		10		13		16		19	
	m <sup>3</sup> /h	0.68		1.36		2.27		2.95		3.63		4.32	
MODEL	Flange size In/Out 1 1/4"	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP	FT	HP
TBH 291		148	1.2	131	1.1	108	1.0	82	0.95	66	0.9	46	0.8
TBH 292		310	3.2	272	2.9	219	2.6	173	2.3	135	2.1	94	1.8
TBH 293		471	4.8	413	4.4	330	4	265	3.6	204	3.2	142	2.8
TBH 294		633	6.5	555	6	441	5.3	356	4.8	273	4.3	190	3.8
TBH 295		794	8.1	696	7.5	553	6.7	447	6.1	341	5.5	237	4.8
TBH 296		--	--	837	9	664	8	538	7.3	410	6.6	285	5.8
<b>NPSH</b>	<b>FT</b>	4.6		4.8		5.5		6.1		6.6		7.2	

### MODEL DESIGNATION

T B H 293 A / 1 - C / A3 - M	
T	Travaini manufacturer
B	Self-priming multistage centrifugal pump
H	Type of construction
29	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.)

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

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



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