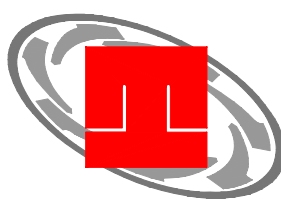


TCH 50

End-Suction Centrifugal Pump for Handling Clean to Slightly Contaminated Liquids



travaini

- HEAD** : 21 to 475 FT.
- CAPACITY** : To 440 USGPM
- FEATURES** : Oversized 316SS shaft to minimize deflection and vibrations for optimal mechanical seal life; Positive bearing locking; Oversized bearings to handle both axial and radial loads; Volute cover and bearing housing designed as "Back Pull-Out" assembly for ease of servicing; Generous oil capacity for positive lubrication of the submerged bearings; Magnetic plug to trap metallic impurities from the oil; Corrosion allowance in excess of 3mm; High hydraulic efficiency and low NPSH requirements; Safety, durability, lower operating costs; Optional cooling water jacket design.
- SHAFT SEALING** : Crane 502 Carbon/SiCar/Viton single mechanical seal standard. Others available, including double seals.
- OPTIONS** : Bareshaft - Directly coupled to electric motor mounted on baseplate.
- TEMPERATURE LIMITS** : GS & RA: Min. -20°C; Max. 280°C (Except for water)
A3, HC & DU: Min. -40°C; Max. 280°C (Except for water)
- MAX DISCHARGE PRESS** : 232 PSI (16 bar) to 248°F (120°C); 170 PSI (11 bar) to 536°F (280°C)
- FLANGES** : UNI 2223-2229 Drilled to ANSI B16.5 (Class 150)



TECHNICAL DATA

PUMP TYPE		TCH 50-125		TCH 50-160		TCH 50-200		TCH 50-250		TCH 50-315
Head, Max	FT	30	115	49	200	73	300	118	472	180
Capacity, Max	GPM	200	390	246	440	220	440	238	440	280
Speed	RPM	1750	3500	1750	3500	1750	3500	1750	3500	1750

STANDARD MATERIALS OF CONSTRUCTION

PART No.	DESCRIPTION	GS	RA	A3	HC	DU		
102	Pump Casing	Ductile Iron		Stainless Steel AISI 316	Hastelloy C	ASTM-CN7M		
161	Casing Cover							
210	Shaft					Incoloy 825		
524	Shaft Sleeve							
502	Wear Rings					ASTM-CN7M		
230	Impeller							
330	Bearing Housing	Cast Iron						

MODEL DESIGNATION

TCH 50 - 200 A / 1X - C / GS	
T	Travaini Manufacturer
C	End Suction Centrifugal Pump
H	Impeller Series (Closed Type)
50	Discharge Flange Size (mm)
200	Nominal Impeller Diameter (mm)
A	Hydraulic Design Status
1X	Mechanical Design Status
C	Shaft Seal Type
GS	Materials of Construction

- For further information please consult Premier Fluid Systems Inc.



Premier Fluid Systems
Canadian Home of Travaini Pumps

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