TCH 125

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

travaini

HEAD : 25 to 175 FT.
CAPACITY : To 1680 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 125-250	TCH 125-315
Head, Max	FT	115	174
Capacity, Max	GPM	1680	1530
Speed	RPM	1750	1750

STANDARD MATERIALS OF CONSTRUCTION

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

MODEL DESIGNATION

TCH 125 - 250 A / 1X - C / GS	
T	Travaini Manufacturer
C	End Suction Centrifugal Pump
H	Impeller Series (Closed Type)
125	Discharge Flange Size (mm)
250	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.