TCD 25
Self-Cooling Centrifugal Pump for Heat Transfer & Vegetable Oils

TRAVAINI

HEAD : 5 to 320 FT.
CAPACITY : To 65 USGPM
FEATURES : No cooling required at all; Heavy-duty oil lubricated bearings; No internal shaft sleeves; Easy back pull-out design for removal of the bearings & complete rotating element without removing the pump casing from the suction & discharge piping; Pump impeller balanced by means of back-ribs; Specially designed bearing housing attains low operating temperatures in seal and bearing areas; ***Note:* "SP" design constructed for handling edible vegetable oils; For difference in GS and SP design see respective sectional drawings

SHAFT SEALING : Two seals in series: one mechanical seal for process oil and one radial shaft seal for bearing lubrication oil
OPTIONS : Bareshaft - Directly coupled to electric motor mounted on baseplate
TEMPERATURE : To 608ºF (320ºC)
CASING PRESSURE : 232 PSI to 248ºF (120ºC); 150 PSI to 608ºF (320ºC)
VISCOSITY : To 1400 SSU

TECHNICAL DATA

PUMP TYPE		TCD 25-125		TCD 25-160		TCD 25-200	
Head, max	FT	31	122	52	214	75	330
Capacity, max	GPM	25	42	25	42	32	65
Speed	RPM	1750	3500	1750	3500	1750	3500
Max. inlet pressure	PSIG	110	110	110	110	110	110

STANDARD MATERIALS OF CONSTRUCTION

Part No.	Description	GA	A3
102	Volute casing	Ductile iron	Stainless steel AISI 316
163	Casing cover		
167	Cooling plate		
210	Shaft	Stainless steel AISI 420	
230	Impeller	Stainless steel AISI 316	
330	Bearing housing	Cast iron	Cast iron
433.2	Mechanical seal	Ni-Resist / Carbon / Viton	S.S. AISI 316 / Carbon / Viton
502	Wear ring	Carbon steel	S.S. AISI 316

MODEL DESIGNATION

TCD 25 - 200 A / 2 - R / GA	
T	Travaini manufacturer
C	Monostage centrifugal pump
D	Heat transfer self-cooling centrifugal pump
25	Discharge flange size (mm)
200	Nominal diameter of impeller
A	Modification of hydraulic design
2 - R	Constructive design number - Single mechanical seal
GA	Materials of construction (see table)

-For further information please consult Premier Fluid Systems Inc.

motralec
4 rue Lavoisier . ZA Lavoisier . 95223 HERBLAY CEDEX
Tel. : 01.39.97.65.10 / Fax. : 01.39.97.68.48
Demande de prix / e-mail : service-commercial@motralec.com
www.motralec.com