

# TCD 50 Self-Cooling Centrifugal Pump



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[www.Travaini.com](http://www.Travaini.com)



<b>Head Capacity</b>	21 to 475 Feet
<b>Capacity</b>	Up to 435 USGPM
<b>Features</b>	Specially designed cooling fins allow handling of fluids up to 608 °F
<b>Shaft Sealing</b>	Single mechanical seal
<b>Options</b>	Bareshaft Pump Coupled to electric motor
<b>Temperature</b>	Up to 608 F
<b>Casing Pressure</b>	232 PSI @ 248 F 150 PSI @ 608 F
<b>Viscosity</b>	Up to 1400 SSU

## Technical Data

PUMP TYPE		TCD50-125		TCD50-160		TCD50-200		TCD50-250	
Head, max	Ft	30	115	49	200	73	300	118	472
Capacity, max	GPM	200	390	246	440	220	440	238	440
Speed	RPM	1750	3500	1750	3500	1750	3500	1750	3500
Max. Inlet pressure	PSIG	110	110	110	110	110	110	110	110

## Standard Materials of Construction\*\*

Part No.	Description	G <sub>n</sub>	n3
102	Volute Casing	Ductile Iron	Stainless Steel AISI 316
163	Casing Cover		
167	Cooling Plate		
210	Shaft	Stainless Steel AISI 420	
230	Impeller		
330	Bearing Housing	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

TCD50-250 A/2-R/GA	
T	Travaini manufacturer
C	Monostage centrifugal pump
D	Self-cooling centrifugal pump
50	Discharge flange size (mm)
250	Nominal diameter of impeller (mm)
A	Modification of hydraulic design
2—R	Constructive design number— Single mechanical seal
GA	Materials of construction (See table)

\*\*Special Materials Available Upon Request

--For further information please consult Travaini Pumps USA.