

# TCD 80 Self-Cooling Centrifugal Pump



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<b>Head Capacity</b>	20 to 460 Feet
<b>Capacity</b>	Up to 1200 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 (320 C)
<b>Casing Pressure</b>	232 PSI to 248 F; 150 PSI to 608 F
<b>Viscosity</b>	Up to 1400 SSU

## Technical Data

PUMP TYPE		TCD80-160		TCD80-200		TCD80-250	
Head, max	Ft	50	200	72	317	115	460
Capacity, max	GPM	550	1100	600	1170	800	1200
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	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	Cast iron	
330	Bearing Housing		
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

TCD80-250 A/2-R/GA	
T	Travaini manufacturer
C	Monostage centrifugal pump
D	Self-cooling centrifugal pump
80	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.