

TMA 31 Multi-stage Centrifugal Pump



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Head Capacity	205-1050 Feet
Capacity	9-37 GPM
Features	Closed impellers in series increase the head as the fluid is transferred from one impeller to the next
Shaft Sealing	Mechanical seals Double mechanical seals Packed stuffing box
Options	Bareshaft pump Coupled to electric motor Monoblock mounting
Temperature	F, RA, A3: -14 F—320 F

Technical Data

Capacity	USGPM	10		20		30	
Model		FT	HP	FT	HP	FT	HP
TMA31-3		350	4.9	335	5.5	278	6
TMA31-4	Flange size	463	6.3	440	7.2	360	7.8
TMA31-5	Inlet : 1-1/2"	585	7.6	555	8.9	460	10
TMA31-6	Outlet : 1-1/4"	700	9	663	10.7	545	11.8
TMA31-7		817	10.7	770	12.2	635	13.6
TMA31-8		928	12	878	14	734	15.5
TMA31-9		1048	13.7	990	15.8	810	17.9
NPSH	FT	6.9		7.3		8.2	

Standard Materials of Construction**

Part No.	Description	F	RA	A3
106	Suction casing	Ductile iron		
107	Discharge casing			
108.1	Diffuser	Cast iron		
210	Shaft	Stainless steel AISI 420	Stainless steel AISI 316	
230	Impeller			
350-353-357	Bearing housing	Cast iron		
524	Shaft sleeve	Stainless steel AISI 316		

Model Designation

TMA31-3A/1X-C/A3	
T	Travaini manufacturer
M	Multistage centrifugal pump
A	Max pressure 40 Bar
40	Pump size
3	Number of stages
A	Revision
1X	Constructive project number
C	Shaft sealing: C—single mechanical seal 2C— Double mechanical seal B—Packing seal
A3	Materials of construction (See table)

**Special materials available upon request
-For further information please consult Travaini Pumps USA.