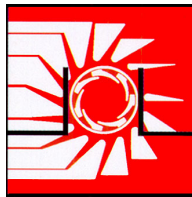
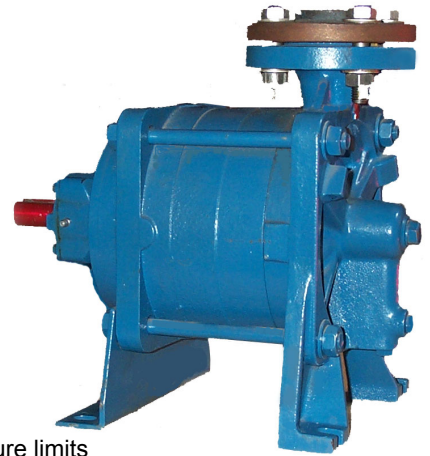


TMA 32/1-R Multi Stage Centrifugal Pump



TRAVAINI

- HEAD** : 225 to 760 FT.
CAPACITY : 30 to 80 USGPM
FEATURES : Multi-stage centrifugal pumps which employ a closed type impeller design; Axial thrusts are balanced by special blades on back of impellers; Heavy duty outboard single bearing to absorb remaining thrusts and sleeve bearing at non-drive end; One-piece stage/diffuser element increases efficiencies, simplifies maintenance and reduces weight
SHAFT SEALING : One mechanical seal with outboard bearing and sleeve bearing design - Double mechanical seals are optional
OPTIONS : Bareshaft - Close-coupled monoblock - Directly coupled to electric motor - Mounted on baseplate
OPERATING LIMITS : Maximum liquid temperature 250°F; Max. liquid temp. with cooled seal housing 320°F; Max. discharge pressure 580 PSIG; Max. suction pressure of 230 PSIG;
Note: the type of mechanical seal used also dictates temperature limits
FLANGE ORIENTATION : Standard – Suction facing left viewed from drive end
Optional – Suction facing right or top viewed from drive end



TECHNICAL DATA at 3500 RPM (60 HZ)

| CAPACITY | USGPM | 30 | | 40 | | 50 | | 60 | | 70 | | 80 | |
|----------|--|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| MODEL | | FT | HP | FT | HP | FT | HP | FT | HP | FT | HP | FT | HP |
| TMA 32-3 | Flange size In 1 1/2" Out 1 1/4" | 378 | 6.3 | 369 | 6.7 | 351 | 7.8 | 324 | 8.5 | 282 | 9.1 | 228 | 9.4 |
| TMA 32-4 | | 504 | 8.4 | 492 | 9.0 | 468 | 10.4 | 432 | 11.4 | 376 | 12.2 | 304 | 12.6 |
| TMA 32-5 | | 630 | 10.5 | 615 | 11.2 | 585 | 13.0 | 540 | 14.2 | 470 | 15.2 | 380 | 15.8 |
| TMA 32-6 | | 756 | 12.6 | 738 | 13.5 | 702 | 15.6 | 648 | 17.1 | 564 | 18.3 | 456 | 19.0 |
| NPSH | FT | 5.6 | | 6.2 | | 7.0 | | 8.2 | | 9.8 | | 12 | |

MODEL DESIGNATION

| STANDARD MATERIALS OF CONSTRUCTION ** | | | |
|---------------------------------------|------------------------------|-----------------------------|-------|
| Part No. | Description | F | GH |
| 106 | Suction casing | Ductile iron | |
| 107 | Discharge casing | | |
| 108.1 | Stage casing | Cast iron | |
| 165 | Heating or Cooling cover | | |
| 210 | Shaft | Stainless steel AISI 420 | |
| 230 | Impeller | Cast iron | Brass |
| 310 | Sleeve bearing | Brass | |
| 357 | Bearing & mech. seal housing | Cast iron | |

| TMA 32 - 4 / 1 - R / F - M | |
|----------------------------|---|
| T | Travaini manufacturer |
| M | Multi-stage centrifugal pump |
| A | High pressure |
| 32 | Pump series |
| 4 | Number of stages |
| 1 | Construction design level 1 = Standard bearings 1x = Double bearings at drive end |
| R | Type of sealing on shaft R = 1 Mechanical seal 1 Sleeve bearing RR = Double mec. seals back to back R2 = Double mec. seals in series |
| F | Materials of construction (see table) |
| M | Monoblock construction for 1-R only |

**Special Materials Available Upon Request

-For further information please consult Premier Fluid Systems Inc.



Premier Fluid Systems
Canadian Home Of Travaini Pumps

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