

Fluid-o-Tech pump-motor unit TMFR series



From the Fluid-o-Tech research team a new series of pump-motor units is born, completely innovative in concept and content – an integrated unit where the motor has no moving parts. The TMFR series features a combination of compact size, superior performance and low energy consumption to provide great versatility in a refined, high-tech design.

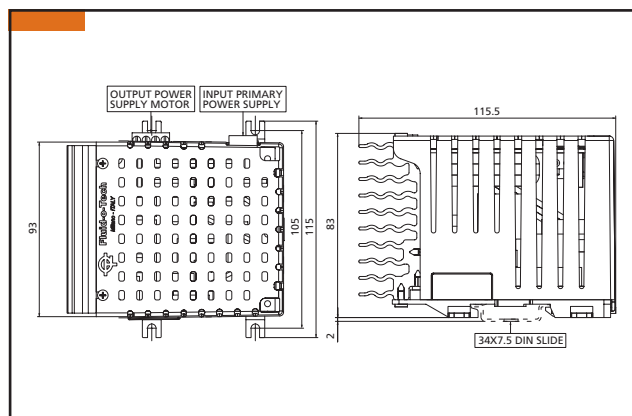
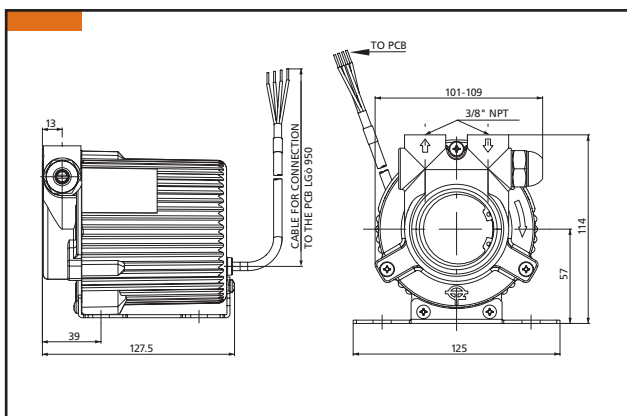
Where it is critical to minimize space and provide faultless reliability, the TMFR integrated pump-motor unit series is a must.

- Motor housing in aluminum
- Pump housing in brass or AISI 303
- Rotor in AISI 303
- Pumping chamber in graphite
- 3/8" NPT inlet/outlet ports



Main characteristics

- Compact size
- Magnetic drive
- No wear on the motor
- 8 selectable speeds
- Silent unit - 46 dB (A) at 1500 rpm -
- Available in 220 V; 110 V; 100 V 50/60 Hz
- Control by opto-coupled technology available
- Continuous duty
- Low operative temperature



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Main applications

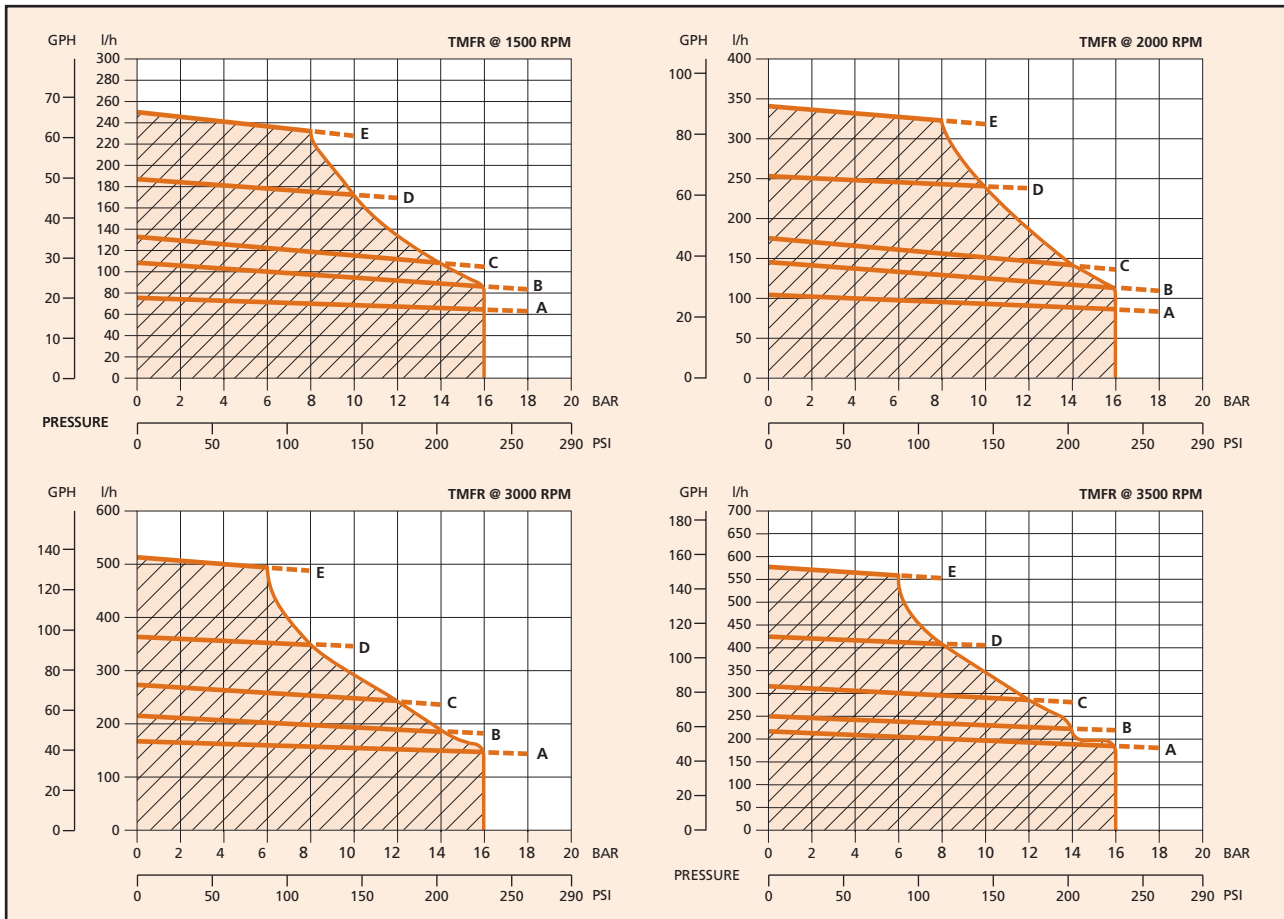
- Espresso coffee machines
- Vending machines
- Post mix
- Welding
- Cooling systems
- Reverse osmosis
- Solar heating systems
- Circuit washing
- Refrigerating gas transfer

Electrical characteristics

Voltage [V]	100 V – 110 V – 230 V AC
Standard speeds [rpm]	1000 – 1500 – 1750 – 2000 2500 – 2750 – 3000 – 3500
Absorbed power [W]	330 max
Actual power [W]	250 max
Weight [Kg]	3.8
Protection	IP 20

MODEL TMFROT (Brass)	050	051	054	070	071	074	100	101	104	150	151	154	200	201	204
Figure	A-A			B-B			C-C			D-D			E-E		
By-Pass	NO	STD	BAL	NO	STD	BAL	NO	STD	BAL	NO	STD	BAL	NO	STD	BAL

MODEL TMFRSS (Stainless Steel)	050	051	070	071	100	101	150	151	200	201
Figure	A-A		B-B		C-C		D-D		E-E	
By-Pass	NO	STD	NO	STD	NO	STD	NO	STD	NO	STD



— continuous duty
- - - intermittent duty

Note: Hydraulic performances measured with 20 °C water and without by pass. Curves are averages

For applications involving other fluids, high temperatures, unusual processing conditions or speed higher than 2500 rpm consult the factory or an authorized Fluid-o-Tech distributor

Fluid-o-Tech reserves the right to alter the specifications indicated in this catalogue at any time and without prior notice

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