

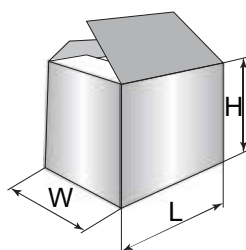
Permanent Magnet Variable Inverter SS Multi-Stage Pump

COMPONENT

CONSTRUCTION CHARACTERISTICS

1	PUMP BODY	Stainless steel AISI 304		
2	MOTOR BRACKET	Aluminium		
3	IMPELLER	PPO		
4	MOTOR SHAFT	Steel 45# welding Stainless steel AISI 304		
5	MECHANICAL SEAL	Pump	Materials	
		Model	stationary ring	Rotational ring Elastomer
		MRF-450	Ceramic	Graphite NBR
		MRF-800	Ceramic	Graphite NBR
6	BEARINGS	Pump	Model	
		MRF-450	6202 -2RZ/6302 -2RZ	
		MRF-800	6202 -2RZ/6302 -2RZ	
7	ELECTRIC MOTOR	Sigle-phase 180-220V-50HZ with thermal ovreload protector		
		-Insulation: class B		
		-Protection: IP X4		
		-Continuous service S1		

DIMENSIONS AND WEIGHT



Model	L×W×H	G.W
Single-phase	mm	kg
MRF-450	440×300×350	7
MRF-800	440×300×350	8

MRF

Permanent Magnet Variable Inverter SS Multi-Stage Pump



PERFORMANCE RANGE

- Flow rate up to **105 l/min** (6.48 m³/h)
- Head up to **60 m**

INSTALLATION AND USE

- Suitable for use with clean water that does not contain abrasive particles and with liquids that are not chemically aggressive towards the materials from which the pump is made.
- Because of their compactness, reliability and the fact that they are easy to use, they are suitable for use in domestic applications such as the distribution of water in combination with small pressure tanks, for the irrigation of gardens and orchards, for drawing water from tanks and for all those other situations where air or gas may be present in the water to be pumped.
- The pump comes complete with a flap-check valve. The pump should be installed in an enclosed environment or sheltered from inclement weather.

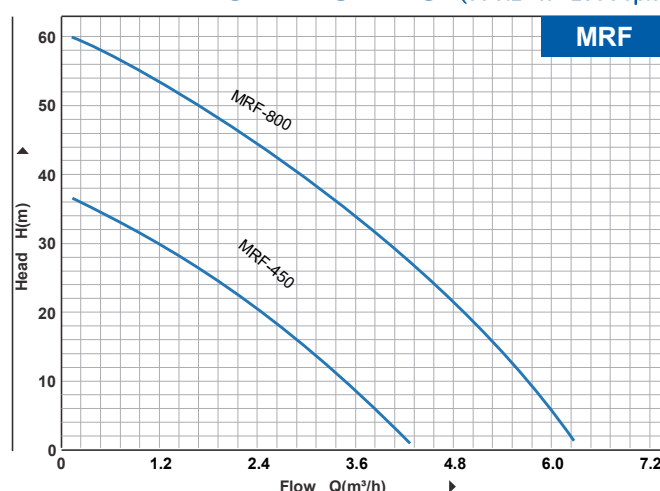
OPTIONS AVAILABLE ON REQUEST

- Special mechanical seal, bearing, shaft
- Other voltages or **60 Hz** frequency

APPLICATION LIMITS

- Manometric suction lift up to **8 m**
- Liquid temperature between **0°C** and **+100°C**
- Ambient temperature up to **+40°C**
- Max. working pressure: **6bar**
- Voltage fluctuation: **±10%**
- Multifunctional Variable Frequency Controller
- High efficiency stainless steel impellers & flow channel

CHARACTERISTIC CURVES (50 Hz n= 2900 rpm)



PERFORMANCE DATA

(50 Hz n= 2900 rpm)

Model	Power(P ₂)		Max. Flow	Max. Head	Inlet/Outlet	Head Range	Max. Suction
	kW	HP	m ³ /h	m	inch	m	m
Single-phase							
MRF-450	0.45	0.6	4.3	36.5	1×1	1~36.5	8
MRF-800	0.8	1.1	6.3	60	1×1	1~60	8