

MXF

Horizontal Single-Stage Centrifugal Pumps



50 Hz



Construction

- The MXF pumps are non-self priming, horizontal, single-stage, centrifugal pumps.
- Motor and pump are close coupled in a convenient and compact design for quick installation in limited space.
- The pump is fitted with a maintenance-free, mechanical shaft seal.
- The pumps have axial suction port and radial discharge port.

Applications

- For suitable liquids which are thin, clean, slightly aggressive, non-explosive, not containing solid particles or fibers.
- For water supply systems.
- As pressure boosting pump for central water systems with low pressure (follow local specifications if increasing network pressure).
- For civil and industrial applications.
- For fire fighting applications.
- For irrigation.
- For garden use.

Operating conditions

Flow range : Up to 15,6 m³/h
Head range : Up to 61 metres
Ambient temperature : Max. +50°C
Liquid temperature range : 0°C to +90°C
Total suction lift : Up to 7,5 metres
Duty rating : Continuous.

Motor

The pump is fitted with a Totally Enclosed Fan Cooled, 2-pole induction motor with principal dimensions in accordance with the IEC 60034 standards.

Rated speed : 2900 rpm
Enclosure class : IP 44
Insulation class : F
Standard voltages : 0.37 - 1.5 kW: 1 x 230 V
(Tolerance +5% / -15%)
Supply frequency : 50 Hz.

Single-phase motors have built-in thermal overload protection. Capacitor inside the terminal box.

Special features on request

- Other voltages.
- Available in three phase.
- Special mechanical shaft seal.
- Higher or lower liquid or ambient temperatures.
- Frequency 60 Hz (as per 60 Hz data sheet).

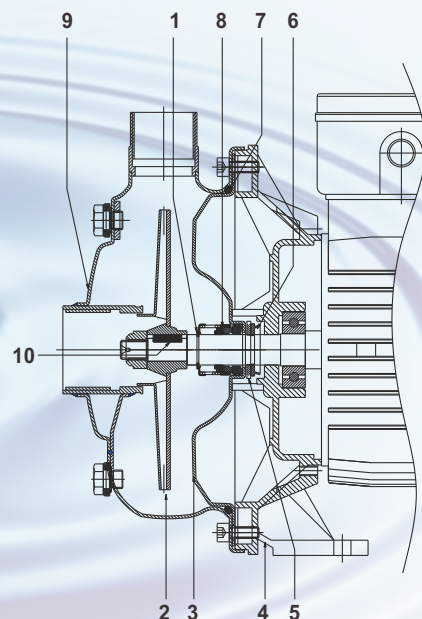
Direction of rotation

Clockwise as seen from the motor rear end.

Materials

Pos.	Component	Material
1	External Circlip	Spring Steel
2	Impeller	S.S. 304
3	Pump casing cover	S.S. 304
4	Adaptor	Aluminum
5	Water Thrower	Nit Rubber
6	'V' Seal	Nit Rubber
7	'O' Ring For Volute	Nit Rubber
8	Mechanical Seal	Carbon/Ceramic
9	Pump Casing	S.S. 304
10	key	S.S. 410

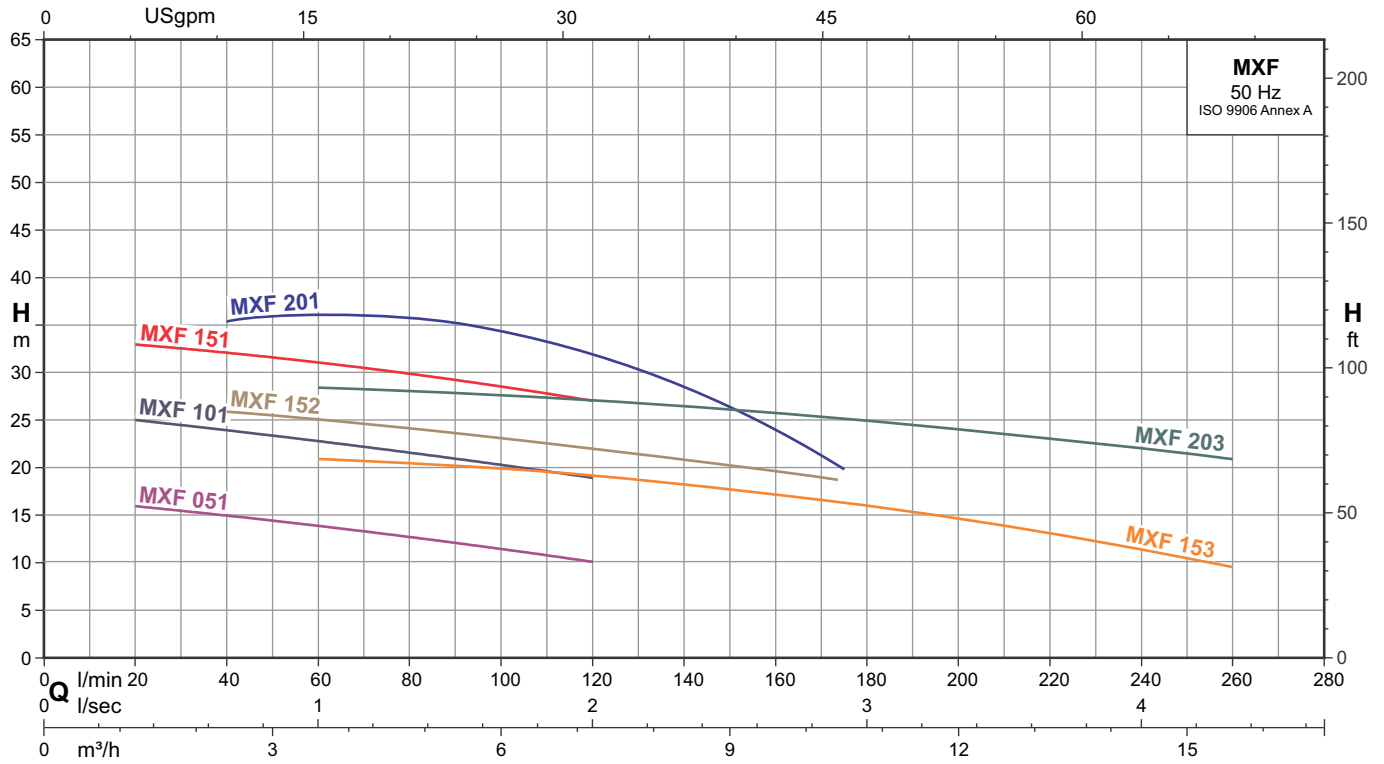
Sectional drawing



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Characteristic Curves, Dimensions and Weights



Pump type	Motor power		Pipe Size [mm]	Q m³/h Q l/min	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6	
	kW	HP			20	40	60	80	100	120	140	160	180	200	220	240	260	
MXF 051	0.37	0.5	32x25	H m	16	15	13.5	13	11.5	10	-	-	-	-	-	-	-	
MXF 101	0.75	1	32x25		25	24	22.5	22	20	19	-	-	-	-	-	-	-	-
MXF 151	1.1	1.5	32x25		33	32	31	30	28.5	27	-	-	-	-	-	-	-	-
MXF 152	1.1	1.5	32x25		26	25	24	23	22	21	20	19	-	-	-	-	-	-
MXF 153	1.1	1.5	40x25		-	-	21	20.5	20	19	18	17	16	15	13	12	9	
MXF 201	1.5	2	32x25		-	36	37	36	33	32	28	23						
MXF 203	1.5	2	40x25		-	-	28.5	28	27.5	27	26.5	26	25	24	23	22	21	