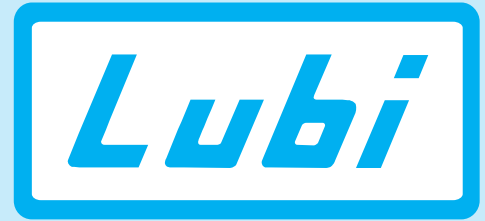


MFHC

Horizontal Multi-Stage Centrifugal Pumps



50 Hz



Operating conditions

Flow range : Up to 10.5 m³/h
 Head range : Up to 67 metres
 Ambient temperature : Max. +50°C
 Liquid temperature range : 0°C to +90°C
 Total suction lift : Max. 9 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 : 0.55 - 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.

Construction

- The MFHC pumps are non-self priming, horizontal, multistage, 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 suction port above pump axis and radial discharge port.
- These pumps are available in two basic versions.
- Suction chamber and delivery chamber are made of cast iron, and they are painted in glossy black.

Applications

- For suitable liquids which are thin, clean, non-explosive, non-aggressive, 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.

Direction of rotation

Clockwise as seen from the motor rear end.

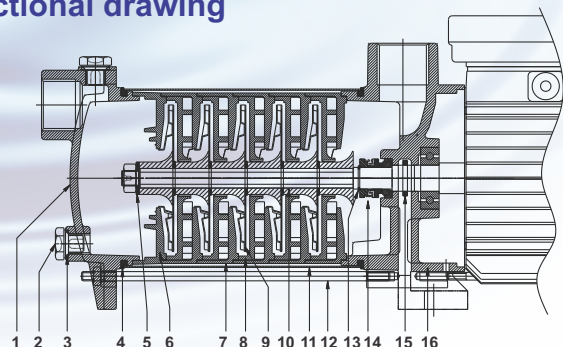
Special features on request

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

Materials

Pos.	Component	Material
1	Suction Chamber	CI.GR.FG.200
2	Drainage Plug	P.P.
3	Plug 'O' Ring	Nit Rubber
4	Gasket	Nit Rubber
5	Impeller Lock Bush	S.S. 202
6	Bowl-1	PPO 30% Glass
7	Bowl-2	PPO 30% Glass
8	Guide Vane	PPO 30% Glass
9	Impeller	S.S. 304
10	Sleeve	PPO 30% Glass
11	Jacket Body	S.S. 202
12	Pump Fitting Stud with Nut	S.S. 202 Chrome Plated
13	External Circlip	Spring Steel
14	Mechanical Seal	Ceramic/Carbon
15	Water Thrower	Nit. Rubber
16	Delivery Chamber	CI.GR.FG.200

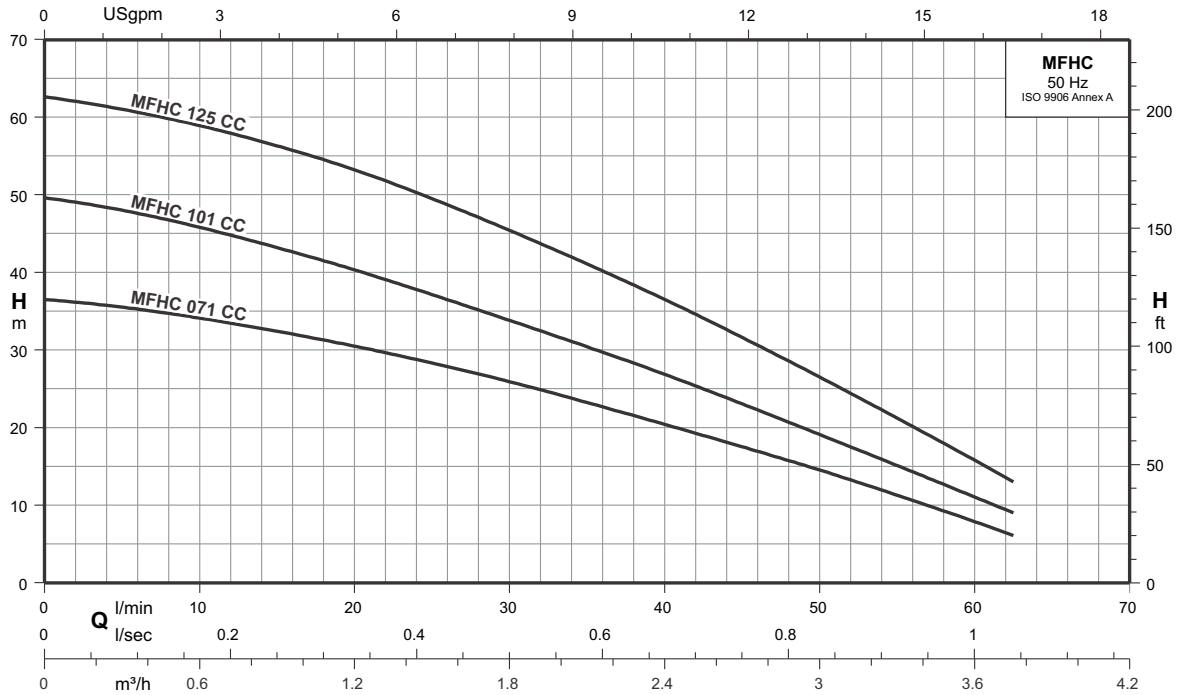
Sectional drawing



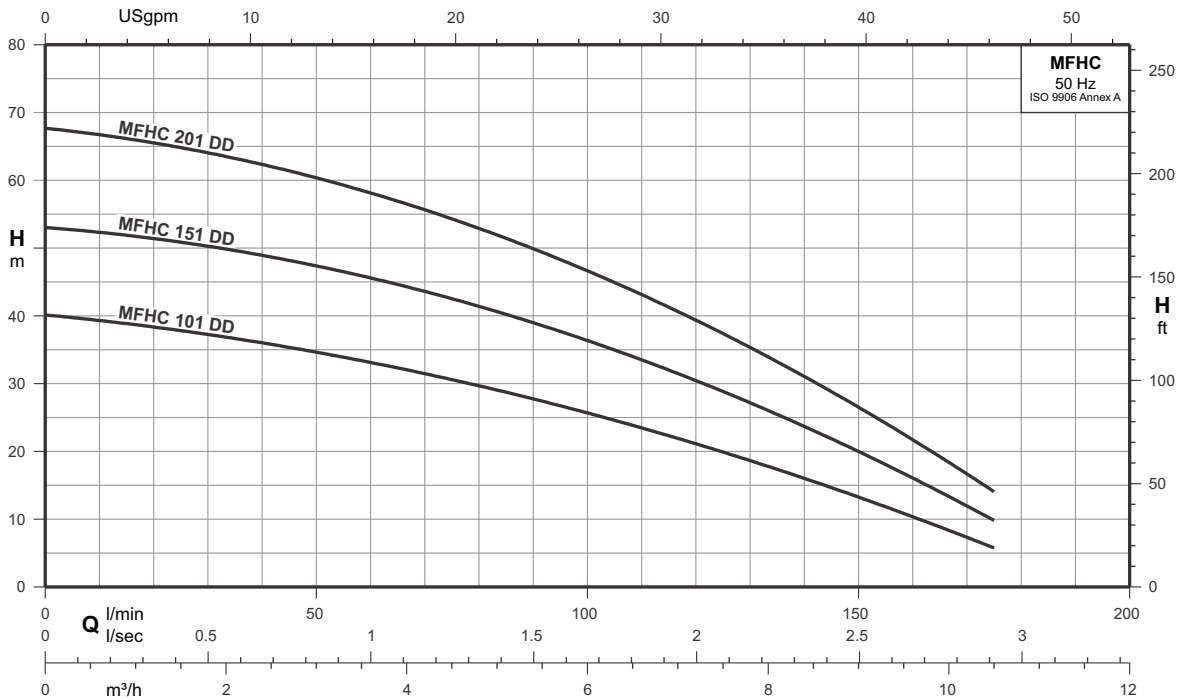
MFHC

Horizontal Multi-Stage Centrifugal Pumps

Characteristic Curves, Dimensions and Weights



Pump type	Motor power		Pipe Size [mm]	Q m³/h	0	0.6	1.2	1.8	2.4	3	3.6	3.8
	kW	HP			Q l/min	0	10	20	30	40	50	60
MFHC 071 CC	0.55	0.75	25x25	H m	37	34	30	26	20	15	8	6
MFHC 101 CC	0.75	1.00	25x25		50	46	40	34	27	19	11	9
MFHC 125 CC	0.9	1.25	25x25		63	59	53	45	37	27	16	13



Pump type	Motor power		Pipe Size [mm]	Q m³/h	0	1	2	3	4.5	6	7.5	9	10.5
	kW	HP			Q l/min	0	17	33	50	75	100	125	150
MFHC 101 DD	0.75	1.00	32x32	H m	40	39	37	35	31	26	20	13	6
MFHC 151 DD	1.10	1.50	32x32		53	52	50	47	43	37	28	20	10
MFHC 201 DD	1.50	2.00	32x32		67	66	64	61	54	47	37	27	14