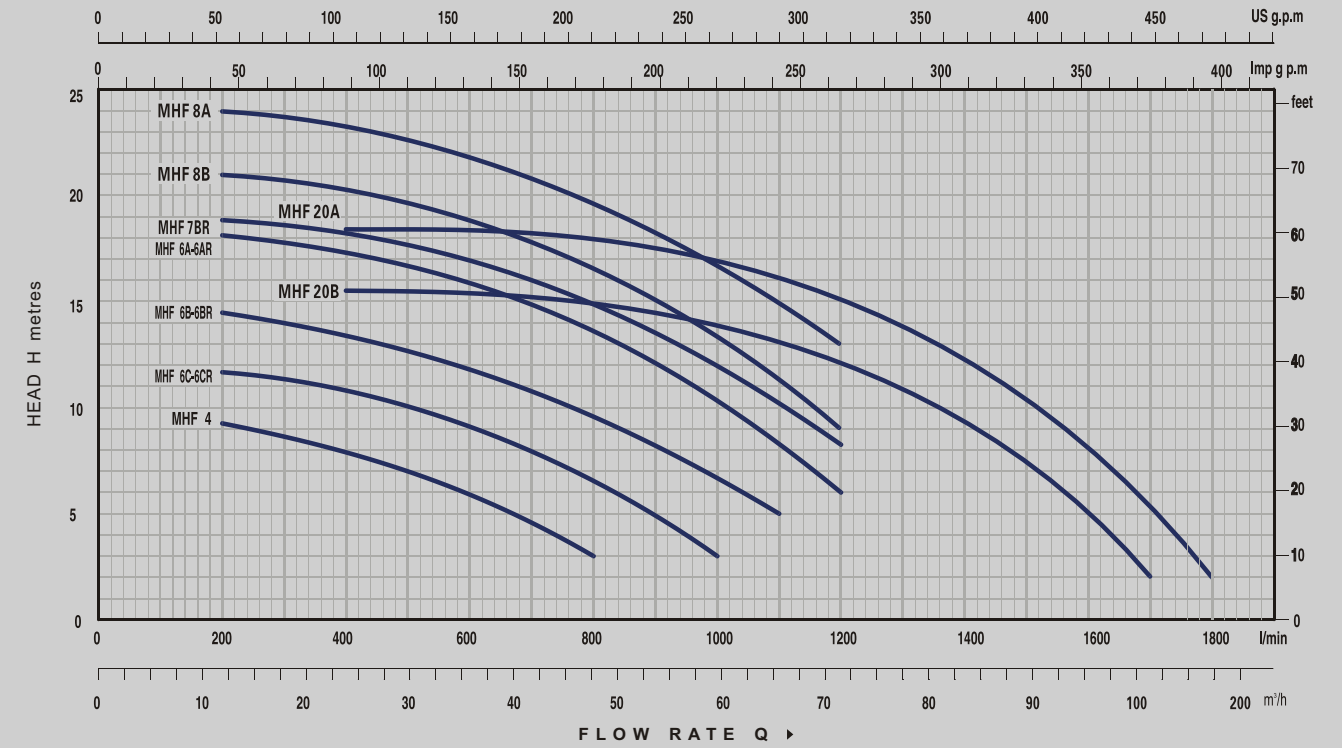


MHF

CENTRIFUGAL PUMPS (HIGH FLOW RATES)



PERFORMANCE CURVES AND DATA AT $n=2900$ l/min, VALID FOR LIQUIDS WITH DENSITY $\rho=1.0$ kg/dm³ AND KINEMATIC VISCOSITY $\nu=1$ mm²/s



RANGE OF PERFORMANCE

- ◆ Flow rate up to 1800 l/min (108m³/h)
- ◆ Head up to 24.5m

LIMITS OF USE

- ◆ Manometric suction lift up to 7m
- ◆ Liquid temperature up to +60°C
- ◆ Environment temperature up to +40 °C

INSTALLATION AND USE

The MHF/MH series is recommended for use in the civil, agricultural and industrial field. The high flow rates and continuous rating make it ideal for irrigation with flowing and sprinkling water, for drawing water from lakes, rivers, wells, or for industrial applications that need to achieve large flow rates at medium-low heads. The pumps must be installed in enclosed places, or at least protected against inclement weather.

CONSTRUCTION CHARACTERISTICS

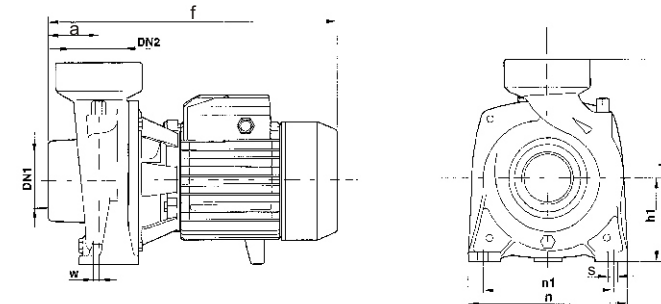
- ◆ PUMP BODY: cast iron with threaded openings ISO 228/1
- ◆ BODY BACK-PLATE: stainless steel AISI 304.
- ◆ IMPELLER: brass, of the type with centrifugal radial flow.
- ◆ MOTOR SHAFT: stainless steel AISI 420
- ◆ MECHANICAL SEAL: ceramic and graphite
- ◆ ELECTRIC MOTOR: the pumps are close-coupled to a carefully matched MARQUIS electric motor, quiet running, totally enclosed fan cooled (TEFC), suitable for continuous duty
MHF: single-phase 230V-50Hz with capacitor and thermal overload protector
MH: three-phase 230/400V-50Hz.
- ◆ INSULATION: class F (B up to 0.75kW and 1.1kW three-phase)
- ◆ PROTECTION: IP44

Other voltages or frequency 60Hz available on request

PUMP TYPE	POWER	Q m ³ /h	H metres																			
			0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	106	
Single-phase	Three-phase	kW	hp	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
MHF 4	MH 4	0.75	1	10	9.8	9.3	8.7	8	7	6	4.7	3										
MHF 6C	MH 6C	1.1	1.5	11.9	-	11.7	11.3	10.7	10.2	9.2	8	6.7	5	3								
MHF 6B	MH 6B	1.5	2	14.7	-	14.5	14	13.5	12.8	12	11	9.7	8.2	6.7	5							
---	MH 6A	2.2	3	18.5	-	18.1	17.8	17.2	16.8	16	15	13.8	12.2	10.5	8.3	6						
MHF 6CR	MH 6CR	1.1	1.5	11.9	-	11.7	11.3	10.7	10.2	9.2	8	6.7	5	3								
MHF 6BR	MH 6BR	1.5	2	14.7	-	14.5	14	13.5	12.8	12	11	9.7	8.2	6.7	5							
MHF 6AR	MH 6AR	2.2	3	18.5	-	18.1	17.8	17.2	16.8	16	15	13.8	12.2	10.5	8.3	6						
MHF 7BR	MH 7BR	3	4	19.0	-	18.8	18.6	18.0	17.9	17	16.2	15	13.8	12.7	10.3	8.2						
MHF 8B	MH 8B	3	4	21.5	-	21	20.7	20	19.5	18.8	17.8	16.5	15	13.5	11.2	9						
---	MH 8A	4	5.5	24.5	-	24	23.5	23	22.5	21.8	20.8	19.5	18.3	16.8	15	13						
MHF 20B	MH20B	3	4	16	-	-	-	15.5	15.4	15.3	15.2	15	14.5	14	13	12	10.7	9	7	4.8	2	
---	MH20A	4	5.5	19	-	-	-	16.5	16.4	16.3	16.2	16	15.5	15	14	13	12	10.7	9	7	4.8	2

Tolerance of the performance curves according to ISO 9906 Annex A

DIMENSIONS



PUMP TYPE	OPENINGS	DIMENSIONS mm									
		DN1	DN2	a	f	h	h1	n	n1	w	s
Single-phase	Three-phase	2 1/2"	2 1/2"	55	323	240	97	190	155	---	10
MHF 4	MH 4	3"	3"	68	385	312	120	240	190	6	12
MHF 6C	MH 6C	3"	3"	68	405	312	120	240	190	6	12
MHF 6B	---	3"	3"	68	385	312	120	240	190	6	12
---	MH 6B	3"	3"	68	405	312	120	240	190	6	12
---	MH 6A	3"	3"	68	405	312	120	240	190	6	12
MHF 6CR	MH 6CR	4"	4"	70	387	312	120	240	190	6	12
MHF 6BR	---	4"	4"	70	407	312	120	240	190	6	12
---	MH 6BR	4"	4"	70	387	312	120	240	190	6	12
MHF 6AR	---	4"	4"	70	430	312	120	240	190	6	12
---	MH6AR	4"	4"	70	407	312	120	240	190	6	12
MHF 7BR	MH7BR	4"	4"	78	471	312	120	240	190	6	12
MHF 8B	---	4"	4"	80	475	312	132	245	190	30	14
---	MH 8B	4"	4"	80	429	312	132	245	190	30	14
---	MH 8A	4"	4"	80	475	312	132	245	190	30	14
MHF 20B	---	4"	4"	80	475	312	132	245	190	30	14
---	MH 20B	4"	4"	80	429	312	132	245	190	30	14
---	MH20A	4"	4"	80	475	312	132	245	190	30	14

MARQUIS® Quality life starts here!