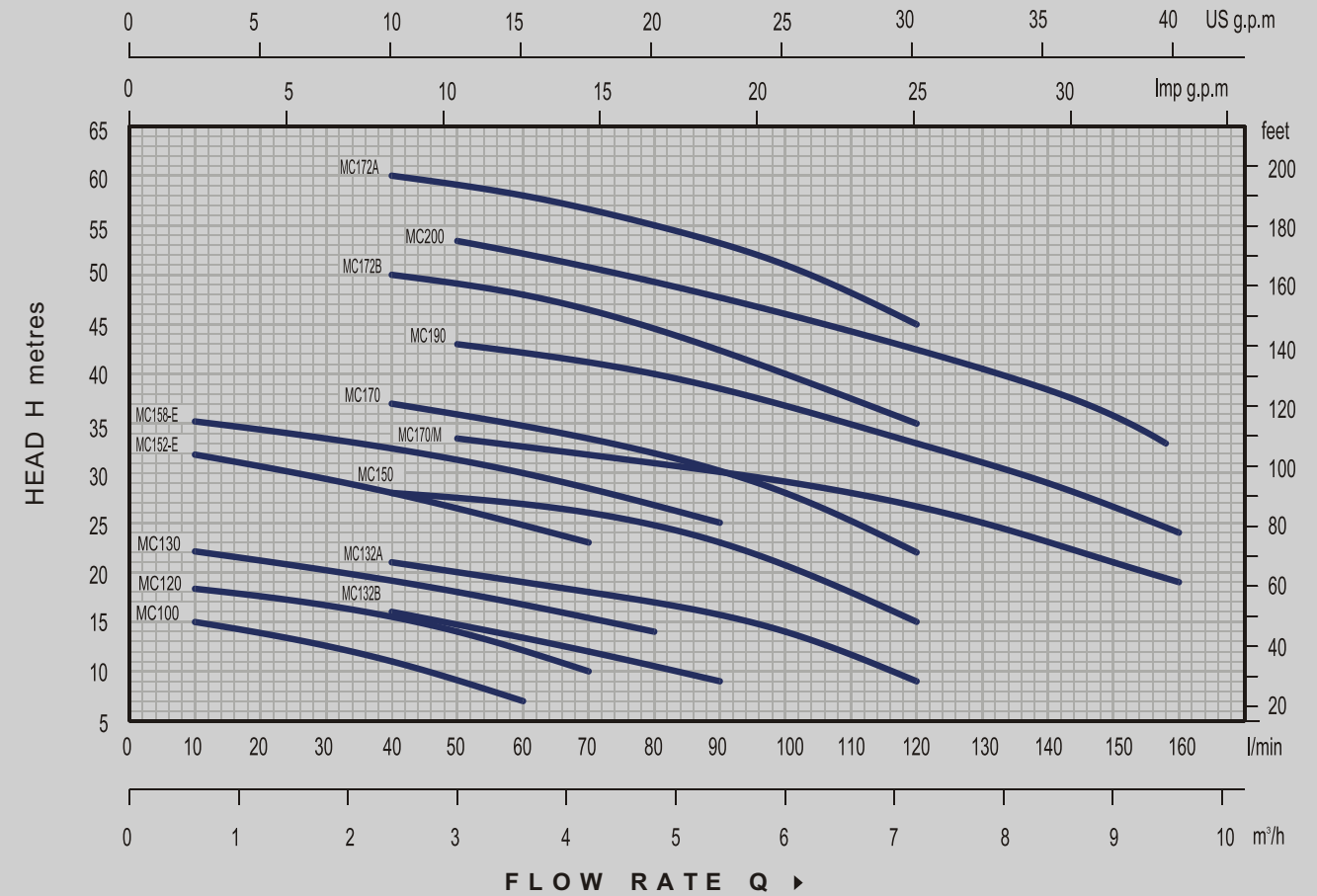


MCP CENTRIFUGAL PUMPS



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 160 l/min (9.6m³/h)
- ◆ Head up to 63m

LIMITS OF USE

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

INSTALLATION AND USE

They are recommended for pumping clean water and liquids that are chemically non-aggressive to the materials from which the pump is made. Reliable and maintenance free, they are widely used in the domestic and civil sector, in particular for water distribution in combination with small or medium pressure sets, for transfer in general, for irrigating gardens. The pumps must be installed in enclosed places, or at least protected against inclement weather.

CONSTRUCTION CHARACTERISTICS

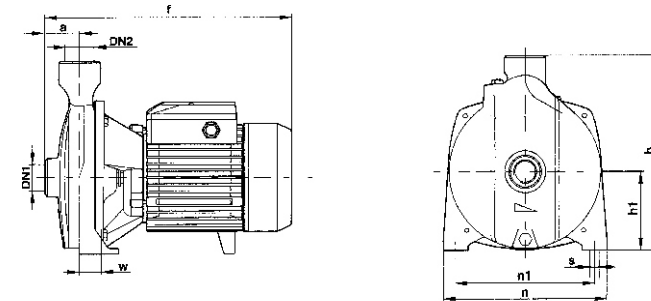
- ◆ PUMP BODY: cast iron with threaded openings ISO 228/1
- ◆ BODY BACK-PLATE: stainless steel AISI304 or cast iron on higher powered types.
- ◆ IMPELLER: brass, of the type with centrifugal radial flow.
- ◆ MOTOR SHAFT: stainless steel AISI 420
- ◆ MECHANICAL SEAL: ceramic and graphite
- ◆ ELECTRIC MOTOR: the pumps are close-coupled to a carefully matched MARQUIS electric motor, quiet running, totally enclosed fan cooled (TEFC), suitable for continuous duty.
- ◆ MCP: single-phase 230V-50Hz with capacitor and thermal overload protector built into the winding.
- ◆ MC: three-phase 230/400V-50Hz.
- ◆ INSULATION: class B
- ◆ PROTECTION: IP44

Other voltages or frequency 60Hz available on request

PUMP TYPE	POWER	Q _{m³/h}	Q _{l/min}	H metres																		
				0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0	9.6		
Single-phase	Three-phase	kW	hp	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160		
MCP 100	MC 100	0.25	0.33	16	15	14	12.5	11	9	7												
MCP 120	MC 120	0.30	0.40	19	18	17.5	16.5	15.5	14	12	10											
MCP 130	MC 130	0.37	0.50	23	22	21	20	19	18	17	16	14										
MCP 132B	MC 132B	0.45	0.60	20	-	18	17	16	15	13.5	12	10.5	9	7								
MCP 132A	MC 132A	0.60	0.85	23	-	22	21.5	21	20	19	18	17	16	14	12	9						
MCP 150	MC 150	0.75	1	29.5	-	29	28.5	28	27.5	26.5	26	24.5	23	21	18	15						
MCP 152-E	MC 152-E	0.55	0.75	33	32	31	29.5	28	27	25	23											
MCP 158-E	MC 158-E	0.75	1	36	34	33.5	33	32.5	31.5	30	29	27	25									
MCP 170	MC 170	1.1	1.5	41	-	-	38	37	36	35	33.5	32	30	28	25	22						
MCP 170/M	MC 170/M	1.1	1.5	36	-	-	35	34.5	33.5	33	32	31	30.5	29	28	26.5	25	23	21	19		
MCP 172B	MC 172B	1.5	2	53	-	-	51	50	49	48	46.5	44.5	42.5	40	38	35						
---	MC 172A	2.2	3	63	-	-	61	60	59	58	56.5	55	53	51	48	45						
MCP 190	MC 190	1.5	2	48	-	-	45	44	43	42.5	41	40	38	36.5	34.5	33	31	29	26.5	24		
---	MC 200	2.2	3	58	-	-	55	54.5	53.5	52	50.5	49.5	48	46	44.5	42.5	40.5	38.5	36	33		

Tolerance of the performance curves according to ISO9906 Annex A

DIMENSIONS



PUMP TYPE	OPENINGS	DIMENSIONS mm									
		DN1	DN2	a	f	h	h1	n	n1	w	s
Single-phase	Three-phase	1"	1"	34	247	187	77	148	118	45	10
MCP 100	MC 100	1"	1"	34	247	187	77	148	118	45	10
MCP 120-130	MC 120-130	1"	1"	42	259	211	82	165	135	41	10
MCP 132B	MC 132B	1"	1"	42	259	211	82	165	135	41	10
MCP 132A	---	1"	1"	42	266	211	82	165	135	41	10
---	MC 132A	1"	1"	42	259	211	82	165	135	41	10
MCP 150	MC 150	1"	1"	44	298	242	97	190	160	42.5	10
MCP 152E-158E	MC 152E-158E	1"	1"	44	298	242	97	190	160	42.5	10
MCP 170	MC 170	1 1/4"	1"	51	341	260	110	206	165	44.5	11
MCP 170M	MC 170M	1 1/4"	1"	51	341	260	110	206	165	44.5	11
MCP 172B	---	1 1/4"	1"	50	358	310	130	272	235	32.5	11
---	MC 172B	1 1/4"	1"	50	338	310	130	272	235	32.5	11
---	MC 172A	1 1/4"	1"	50	358	310	130	272	235	32.5	11
MCP 190	---	1 1/4"	1"	51.5	358	290	115	242	206	32.5	11
---	MC 190	1 1/4"	1"	51.5	338	290	115	242	206	32.5	11
---	MC 200	1 1/4"	1"	51.5	358	290	115	242	206	32.5	11