

145L/min

MH145 2-6 Stage Multistage Horizontal Centrifugal Pump

APPLICATIONS: For domestic and industrial applications, irrigation and hydropneumatic sets.

Quiet running multistage centrifugal pump. Built-in self priming valve, not very sensitive to the impurities. Self-priming up to 8 m.

PUMP

- Maximum capacity: 145l/min(8.7m³/h).
- Head up to 75m.
- Temperature of pumped liquid: 0-40°C.
- Maximum operating pressure: 8.0 bar.

MOTOR

- Asynchronous, two poles.
- Protection class: IPX5.
- Class F insulation.
- Continuous operation.
- Single phase version 220-240V 50Hz with automatic reset overload protection.
- Three phase version: 220-240V/380-415V 50Hz, the overload protection must be provided and installed by the user in the control panel.
- Maximum ambient temperature 40°C

MATERIALS

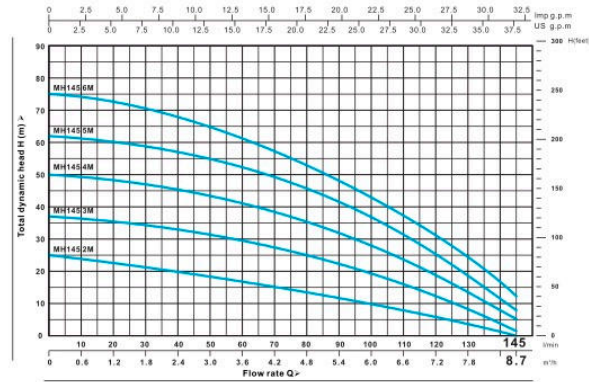
- Suction/discharge mounting in Casting Iron (Casting brass are availability).
- Pump housing in AISI 304 Stainless steel.
- Diffuser in PPO(Noryl®).
- Impellers in PPO(Noryl®)(AISI 304 Stainless steel are availability).
- Motor shaft in AISI 316 stainless steel (Carbon steel and AISI 416 Stainless steel are availability).
- Mechanical seal with Graphite/Silicon carbide, EPDM elastomers, other parts are made of AISI 304 stainless steel.
- O-ring made of EPDM.

OPTIONAL FEATURES

- Different voltages and frequencies.
- Different materials for the mechanical seal.



PERFORMANCE CHART AT n= 2850 min⁻¹



PERFORMANCE DATA AT n= 2850 min⁻¹

PUMP MODEL	INPUT		OUTPUT		Q m³/h	H (m)								
	KW	KW	HP	HP		0	1.2	2.4	3.6	4.8	6.0	7.2	7.8	8.7
MH145 2M	0.90	0.7	0.95		0	25	23	20	17	14	10	6	4	0
MH145 3M	1.25	0.95	1.25		20	37	35	33	30	25	19	13	8	2
MH145 4M	1.65	1.3	1.65		40	50	48	45	41	35	28	18	14	5
MH145 5M	2.0	1.5	2.0		60	62	60	57	52	46	37	25	19	7
MH145 6M	2.4	1.85	2.5		80	75	73	68	62	53	43	31	25	12

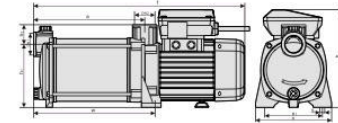
Q=FLOW RATE H=TOTAL DYNAMIC HEAD IN METERS

Curve tolerance according to ISO 2548



DIMENSION

PUMP MODEL	Dn ₁	Dn ₂	DIMENSION [mm]									
			a	f	h	h ₁	h ₂	n	n ₁	w	s	
MH145 2M	1.25"	1"	145.5	360	196	126	36.5	150	120	165.5	10	
MH145 3M	1.25"	1"	170	384	196	126	36.5	150	120	190	10	
MH145 4M	1.25"	1"	197.5	431	237.5	142	41.5	165	130	228	10	
MH145 5M	1.25"	1"	222	456	237.5	142	41.5	165	130	252.5	10	
MH145 6M	1.25"	1"	246.5	518	253	152	46.5	165	130	277	10	



Item	Description	Material
1	Prime and drain plugs	Casting Brass
2	Suction mounting	Casting Iron
3	Pump housing	304 stainless steel
4	Tie bolt	Nickel plated steel
5	Mechanical seal	Graphite-Silicon carbide
6	Discharge mounting	Casting Iron
7	Motor	Class F IPX5
8	Shaft sleeve	Plastic bearing
9	Nut	304 stainless steel
10	Prime cover	PPO GNF-20
11	Diffuser	PPO GNF-20
12	Impeller	PPO GNF-20
13	Casing O-ring	EPDM

