

DHI

MULTISTAGE CENTRIFUGAL PUMPS MADE OF STAINLESS STEEL AISI 316

The DHI series horizontal multi-stage centrifugal pumps have the following advantages: high hydraulic performance regarding pressure and capacity. Minimum consumption of electricity. Extremely silent operation.

USAGE DATA

- Type of liquid: clean water without suspended solids or abrasive material.
- Maximum temperature of the liquid 90°C.
- Max recommended suction height 6 m with foot valve (with max. temperature of the liquid at 50°C)
- Maximum operating pressure 10 bar. (with temp. of liquid 50°C)
6 bar (with temp. of liquid 90°C)

APPLICATIONS

- Handling of aggressive liquids.
- Lifting and distribution of water in domestic systems in continuous or intermittent operation.
- Pressurization systems.
- Washing, irrigation, gardens, fountains.

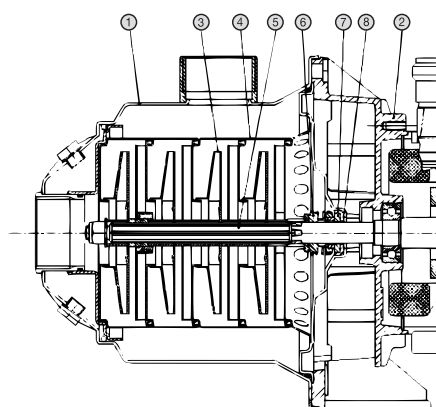
MOTOR

- Asynchronous motor
- Closed, ventilated from outside.
- Degree of protection IP 55.
- Insulation class F.
- Single phase power supply with permanently activated capacitor and thermal cutout protection incorporated in the motor winding.
- Three-phase power supply with external protection provided by the user.
- Speed of rotation 2850 rpm.
- Continuous service.



TABLE OF MATERIALS

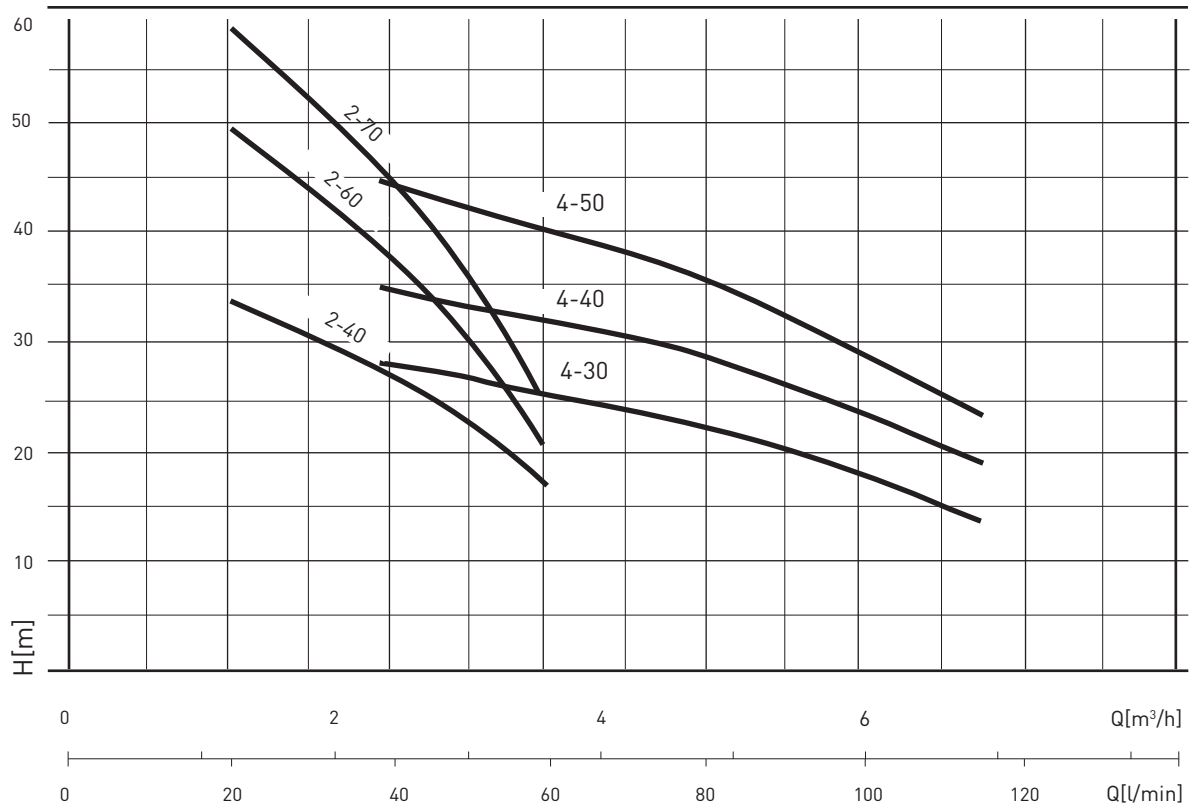
Component		Material
1	Pump body	Stainless steel X CrNiMo 17-12-03 (AISI 316)
2	Motor casing	Die-cast aluminium
3	Impeller	Stainless steel X CrNiMo 17-12-03 (AISI 316)
4	Intermediate chamber	Stainless steel X CrNiMo 17-12-03 (AISI 316)
5	Motor shaft	Stainless steel X CrNiMo 17-12-03 (AISI 316)
6	Mechanical seal	Graphite
7	Counterface	Ceramic
8	Seal-holding flange	Stainless steel X CrNiMo 17-12-03 (AISI 316)
Gaskets		EPDM



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HYDRAULIC PERFORMANCE



PERFORMANCE TABLE

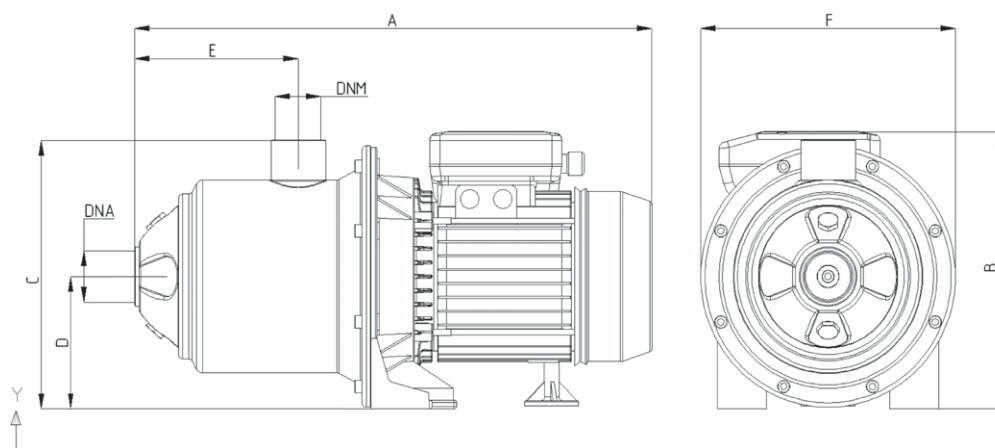
MODEL	Motor power (P2)		Absorbed power (P1)		VOLT. (V)	In (A)	μF.	Q	l/min m³/h	10	20	30	40	50	60
	HP	kW	HP	kW						0,6	1,2	1,8	2,4	3	3,6
DHI 2-40 M	0,5	0,4	0,9	0,7	1 ~ 230	3,2	12,5	m.c.w.	36	34	31	27	22	17	
DHI 2-40 T	0,5	0,4	0,9	0,7	3 ~ 230/400	2,3 - 1,4	-		36	34	31	27	22	17	
DHI 2-60 M	0,8	0,6	1,2	0,9	1 ~ 230	4,1	16		53	49	43	37	30	21	
DHI 2-60 T	0,8	0,6	1,2	0,9	3 ~ 230/400	3 - 1,8	-		53	49	43	37	30	21	
DHI 2-70 M	1	0,78	1,5	1,1	1 ~ 230	5,2	20		63	58	52	44	36	26	
DHI 2-70 T	1	0,78	1,36	1	3 ~ 230/400	3 - 1,8	-		63	58	52	44	36	26	

MODEL	Motor power (P2)		Absorbed power (P1)		VOLT. (V)	In (A)	μF.	Q	l/min m³/h	40	50	60	80	100	120
	HP	kW	HP	kW						2,4	3	3,6	4,8	6	7,2
DHI 4-30 M	0,67	0,5	1,1	0,8	1 ~ 230	3,6	12,5	m.c.w.	27	26	25	22	18	14	
DHI 4-30 T	0,67	0,5	1,1	0,8	3 ~ 230/400	2,9 - 1,7	-		27	26	25	22	18	14	
DHI 4-40 M	0,94	0,7	1,36	1	1 ~ 230	4,4	16		35	33	32	28	24	18	
DHI 4-40 T	0,94	0,7	1,36	1	3 ~ 230/400	3,3 - 2	-		35	33	32	28	24	18	
DHI 4-50 M	1,2	0,9	1,68	1,25	1 ~ 230	5,8	20		44	42	40	36	30	23	
DHI 4-50 T	1,2	0,9	1,6	1,2	3 ~ 230/400	3,3 - 2	-		44	42	40	36	30	23	

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OVERALL DIMENSIONS AND WEIGHTS



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OVERALL DIMENSIONS AND WEIGHTS

MODEL	Dimensions in mm.								WEIGHT (Kg)
	A	B	C	D	E	F	DNA	DNM	
DHI 2-40	368	220	213,5	105	80	208	1" 1/4	1" 1/4	11
DHI 2-60	396	220	213,5	105	108	208	1" 1/4	1" 1/4	11,7
DHI 2-70	422	220	213,5	105	134	208	1" 1/4	1" 1/4	14,1
DHI 4-30	368	220	213,5	105	80	208	1" 1/4	1" 1/4	11,3
DHI 4-40	396	220	213,5	105	108	208	1" 1/4	1" 1/4	12,1
DHI 4-50	422	220	213,5	105	134	208	1" 1/4	1" 1/4	14