

SURFACE PUMPS

MULTISTAGE CENTRIFUGAL PUMPS IN AISI 316 STAINLESS STEEL

The DHI series horizontal multistage centrifugal pumps offer the following benefits:

- High hydraulic pressure and flow rate performance
- Minimum electrical energy consumption
- Extremely silent operation

Design Features

- Pump casing in AISI 316 stainless steel
- Aluminium motor coupling bracket
- Seal holder plate in AISI 316 stainless steel
- Impellers and diffusers in AISI 316 stainless steel
- Shaft in AISI 316 stainless steel
- EPDM rubber O ring
- Mechanical seal with graphite/ceramic counterfaces

Motor

- Enclosed, externally ventilated
- Level of protection IP 44
- Class F insulation
- Single phase power supply with capacitor permanently activated and thermal protection built into the motor winding
- Three phase power supply with external protection provided by the user
- Speed of rotation 2850 rpm
- Suitable for continuous use

Usage Limitations

- Types of pumped liquid: clear, non-explosive with no suspended solids or abrasive material
- Special liquids such as: softened demineralised water, washing system solutions, oils, non-aggressive chemical compound fluids
- Maximum liquid temperature 90°C
- Maximum recommended suction height 6 m with foot valve (with max. liquid temp. at 50°C)
- Maximum operating pressure 6 bar

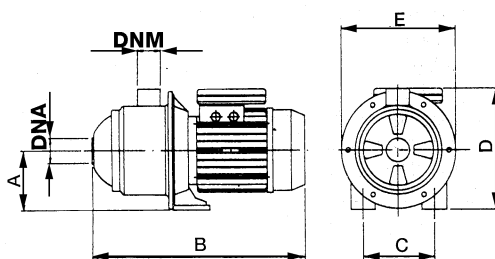
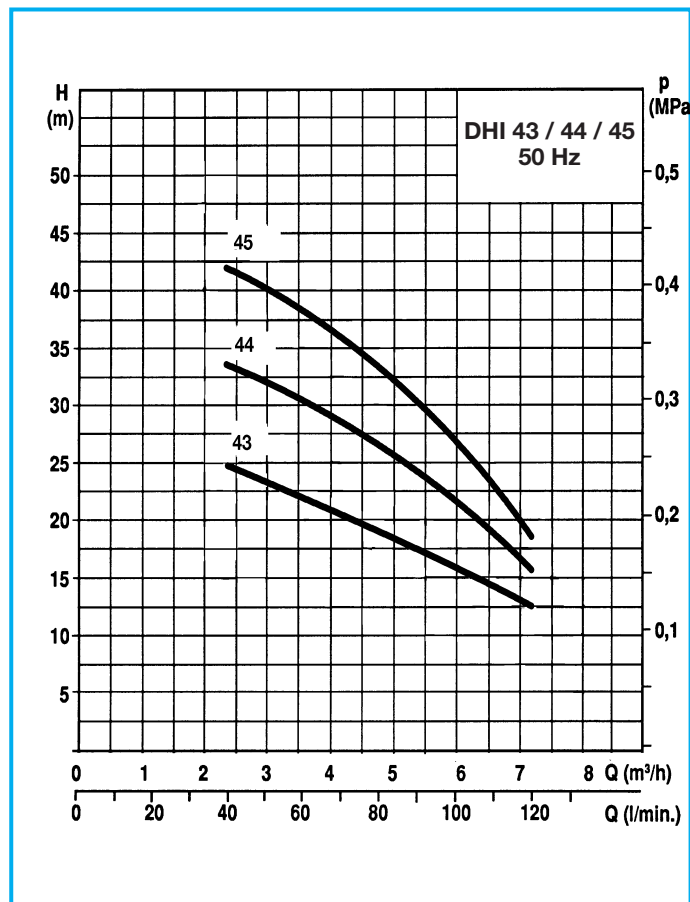
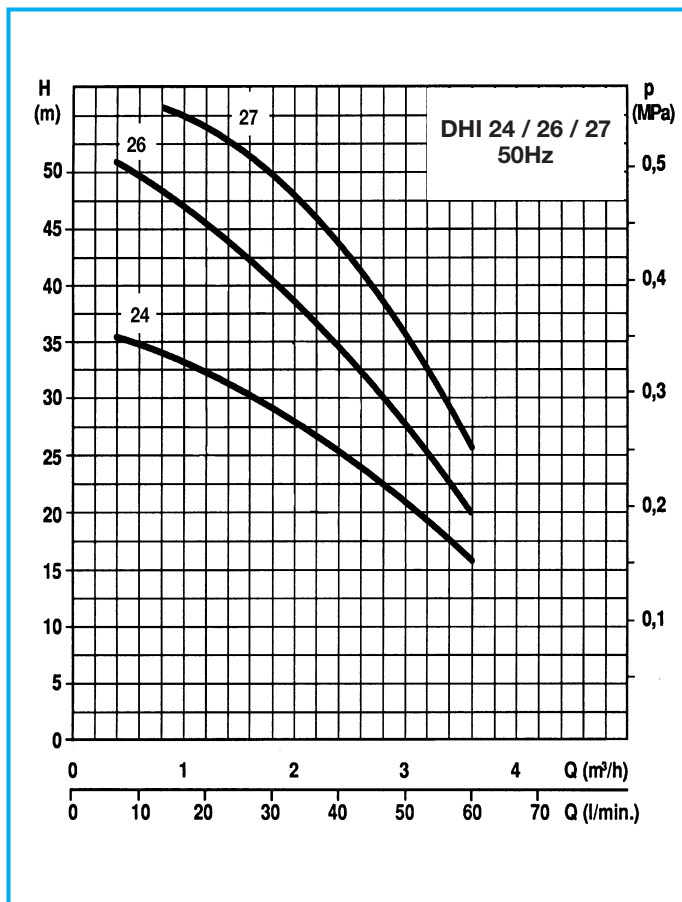
Applications

- Pumping and distribution of water in domestic systems used on a continuous or intermittent basis
- Booster systems
- Washing systems, garden irrigation, fountains
- Condensate conveyance
- Food and wine industries
- As a component of industrial machinery



CODE	MODEL	Nominal Power		Absorbed Power		VOLTAGE	Amp.	μF.	Q	L/1'	10	20	30	40	50	60	PRICE		
		HP	kW	HP	kW						0,6	1,2	1,8	2,4	3	3,6			
N4221000	DHI 24 M	0,75	0,55	1,00	0,75	1 ~ 230 V	3,4	16	Discharge head in meters		35	32	28	25	20	16			
N4221070	DHI 24 T					3 ~ 400 V	1,4				52	46	40	34	27	19			
N4221010	DHI 26 M	1,00	0,75	1,30	0,95	1 ~ 230 V	4,3	20			63	57	50	43	35	26			
N4221080	DHI 26 T					3 ~ 400 V	2,0												
N4221020	DHI 27 M	1,25	0,9	1,65	1,20	1 ~ 230 V	5,3	32											
N4221090	DHI 27 T					3 ~ 400 V	2,4												
CODE	MODEL	Nominal Power		Absorbed Power		VOLTAGE	Amp.	μF.	Q	L/1'	40	60	80	100	120	PRICE			
		HP	kW	HP	kW						2,4	3,6	4,8	6	7,2				
N4221030	DHI 43 M	0,75	0,55	1,00	0,75	1 ~ 230 V	3,5	16	Discharge head in meters		24	22	18	16	12				
N4221100	DHI 43 T					3 ~ 400 V	1,6				33	31	27	22	16				
N4221040	DHI 44 M	1,00	0,75	1,36	1,00	1 ~ 230 V	4,6	20			42	36	33	27	18				
N4221110	DHI 44 T					3 ~ 400 V	2,0												
N4221050	DHI 45 M	1,25	0,9	1,70	1,25	1 ~ 230 V	5,9	25											
N4221060	DHI 45 T					3 ~ 230 + 400 V	2,5												

Steel base supplied separately



Model	Dimensions mm.							Weight
	A	B	C	D	E	DNA	DNM	Kg
DHI 24	105	400	141	235	205	1 1/4"	1 1/4"	11,3
DHI 26	105	430	141	235	205	1 1/4"	1 1/4"	12,6
DHI 27	105	460	141	235	205	1 1/4"	1 1/4"	11,3
DHI 43	105	400	141	235	205	1 1/4"	1 1/4"	12,3
DHI 44	105	430	141	235	205	1 1/4"	1 1/4"	13,6
DHI 45	105	460	141	235	205	1 1/4"	1 1/4"	15,8