VMH

National Institute of Public Health NIH – National Research Institute Hygienic Certificate

The pumps are designed for use in hydrophore systems in civil engineering, industry and agriculture. They can pump clean water or other non-corrosive, water-like, non-flammable and non-explosive liquids. The small form factor allows the pump to be integrated into various machines that require high-pressure water supply. The rugged hydraulic part, mechanical seal and thrust bearing with high temperature resistance allow pumping of liquids up to 70°C, as well as use in high-pressure systems.



APPLICATION:

Industry:
- Air conditioning systems
- Cooling system
- Heating systems
- Industrial washers
- Firefighting systems
- Water treatment (purification)
- Pressure boosting in civil engineering systems
- Aquariums

Households:
- Water supply
- Watering (including sprinkler operation)

Agriculture:
- Irrigation
- Maintaining pressure in livestock buildings

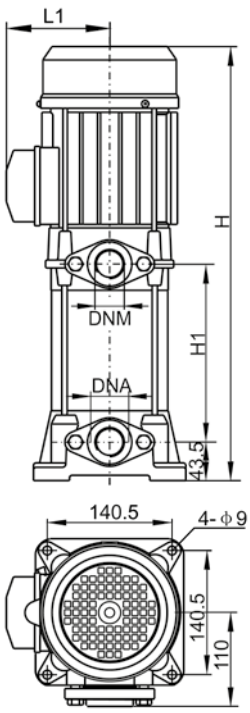
TECHNICAL SPECIFICATIONS:

- Liquid temperature: 0–70°C
- Max. ambient temperature: 50°C
- Max. system pressure: 1,5 MPa
- Protection grade: IP55
- Winding insulation class: 155 (F)
- Three-phase pumps have the option of connecting the motor in star (3 ~ 400 V) or delta (3 ~ 230 V) arrangement. Single-phase motors have thermal protection integrated into the winding

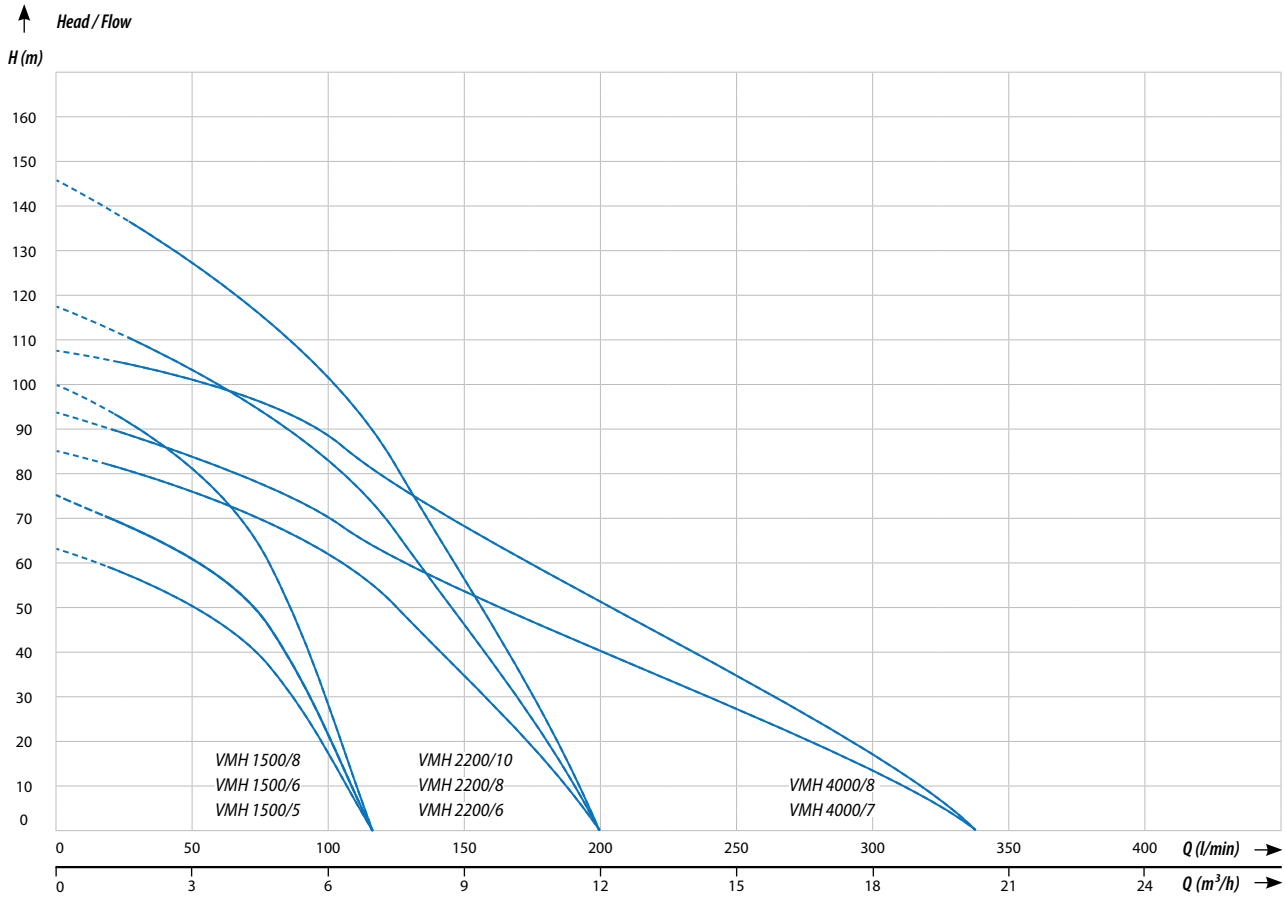
MATERIALS:

- Motor: asynchronous, squirrel cage, closed structure, aluminium housing, external ventilation
- Shaft: AISI 304 stainless steel
- Housing: AISI 304 stainless steel
- Impeller: noryl with increased fibre content in polymer / AISI 304 stainless steel
- Ports: grey cast iron
- Mechanical seal: graphite / silicon carbide / NBR

Model	Dimensions (mm)		
	L1	H	H1
VMH 1500/5	140	500	201
VMH 1500/6	140	510	225
VMH 1500/8	140	675	273
VMH 2200/6	116	630	239
VMH 2200/8	142	740	288
VMH 2200/10	142	790	337
VMH 4000/7	148	810	350
VMH 4000/8	148	850	410



VMH cont.



Model	Head (m)	Flow (l/min)	Motor power (W)	Power supply (V)	Current consumption (A)	Ports (inches)	Weight (kg)
VMH 1500/5	63	117	1500	230	9,2	1 × 1	22
VMH 1500/6	75	117	1500	230	9,2	1 × 1	22
VMH 1500/8	100	117	2200	230	14	1 × 1	28,5
VMH 2200/6	85	200	2200	230	14	1½ × 1¼	29
VMH 2200/8	118	200	3000	400	6	1½ × 1¼	36
VMH 2200/10	145	200	4000	400	9,2	1½ × 1¼	39
VMH 4000/7	94	333	4000	400	7,8	1½ × 1¼	37
VMH 4000/8	108	333	4700	400	9,2	1½ × 1¼	39