



MHI



IVT-MHI · Multi-stage pump with frequency inverter

FEATURES

- Stainless steel materials
- High pressure from multi-stage impellers

APPLICATION SCOPE

- Water supply and pressure boosting
- Hot water circulation and heating systems
- Air-conditioning systems
- Industrial circulation systems
- Washing and sprinkler systems
- Various machinery

OPERATING DATA

Approved fluids	Clean water
Fluid temperature	0–90 °C
Max. suction lift	8 m
Max. pressure	10 bar
Protection class	IP54
Power supply	1~ 220–240 V / 3~ 380–415 V, 50 Hz

MATERIALS

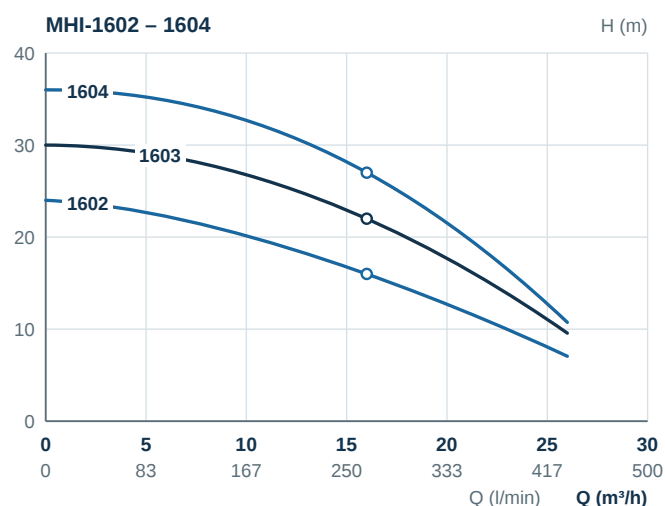
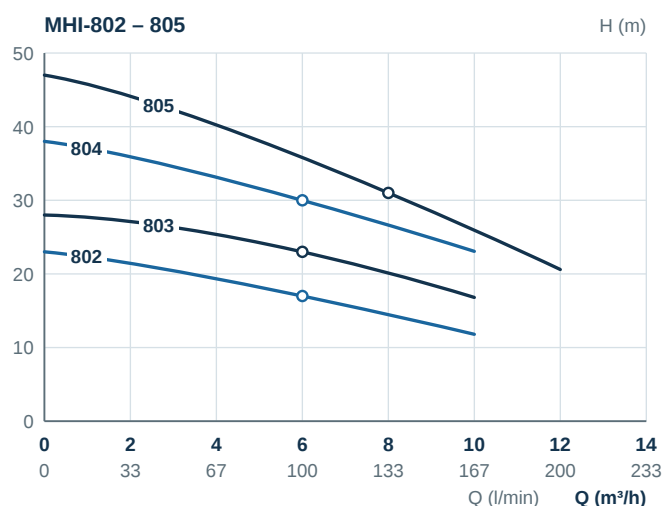
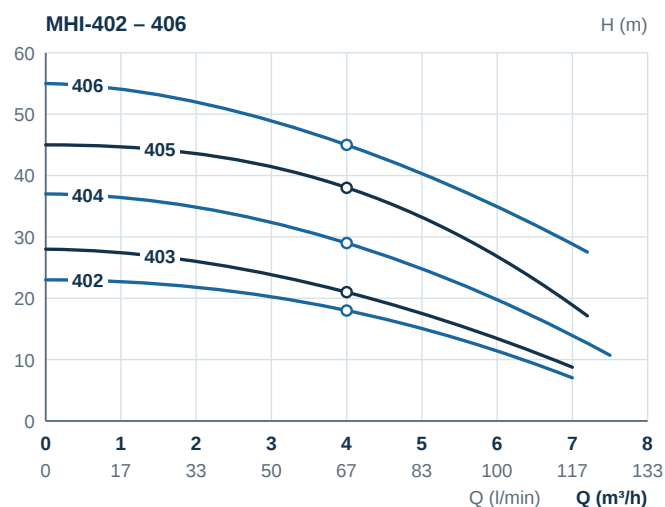
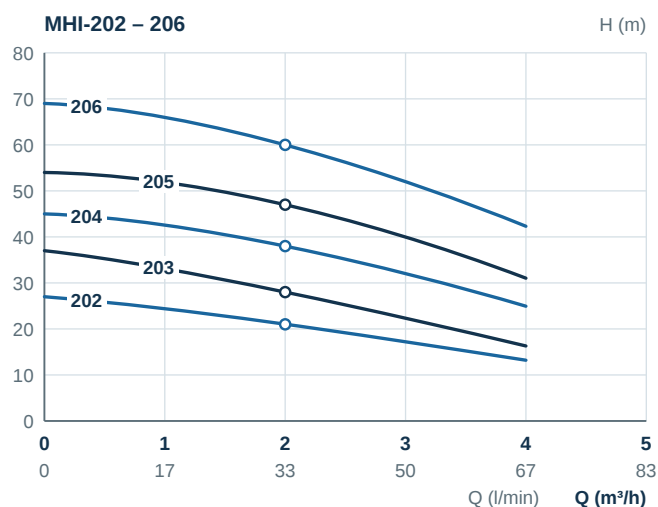
Casing	AISI 304 stainless steel
Impeller	AISI 304 stainless steel
Shaft	AISI 304 stainless steel
Mechanical seal	Silicon carbide and US Morgan graphite, resistant to temperatures of 120 °C and to antifreeze corrosion
Bearing	High-speed low-noise bearings with customised high-temperature grease (–50 to 200 °C)
Motor	National-standard silicon steel stator and rotor laminations, class F heat-resistant insulated copper wire

TECHNICAL DATA

MODEL	POWER kW	MAX. HEAD m	RATED HEAD m	MAX. FLOW m³/h	RATED FLOW m³/h	INLET DN	OUTLET DN
MHI-202	0.37	27	21	4	2	25	25
MHI-203	0.55	37	28	4	2	25	25
MHI-204	0.55	45	38	4	2	25	25
MHI-205	0.75	54	47	4	2	25	25
MHI-206	1.1	69	60	4	2	25	25
MHI-402	0.37	23	18	7	4	32	25
MHI-403	0.55	28	21	7	4	32	25
MHI-404	0.75	37	29	7.5	4	32	25
MHI-405	1.1	45	38	7.2	4	32	25
MHI-406	1.5	55	45	7.2	4	32	25
MHI-802	0.75	23	17	10	6	40	32
MHI-803	1.1	28	23	10	6	40	32
MHI-804	1.5	38	30	10	6	40	32
MHI-805	2.2	47	31	12	8	40	32
MHI-1602	1.5	24	16	26	16	50	40
MHI-1603	1.85	30	22	26	16	50	40
MHI-1604	2.2	36	27	26	16	50	40

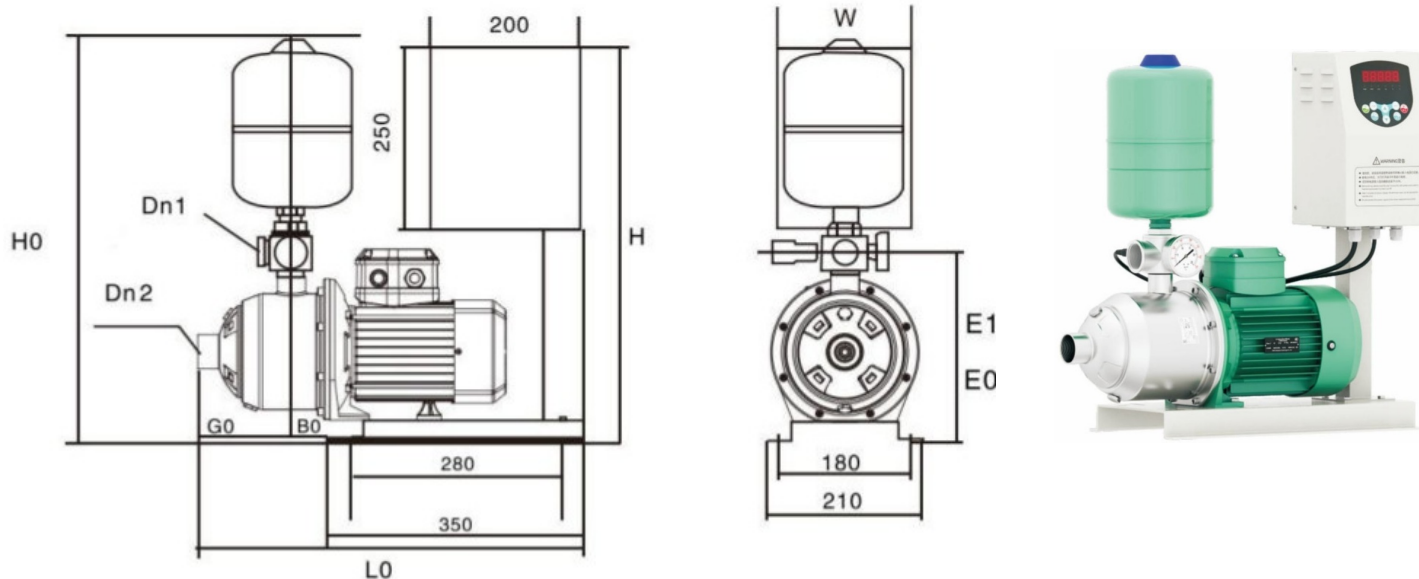
PERFORMANCE CURVES

Curve label = model number · circle = rated point · m³/h × 16.667 = l/min



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OVERALL DIMENSIONS



DIMENSIONS & PRESSURE SETTING

MODEL	Dn1 DN	Dn2 DN	E0 mm	E1 mm	G0 mm	B0 mm	L0 mm	H0 mm	H mm	W mm	PRESSURE SETTING, bar
IVT-MHI202	25	25	120	138	110	80	505	541	540	180	1.6
IVT-MHI203	25	25	120	138	110	80	505	541	540	180	2.4
IVT-MHI402	25	32	120	138	110	80	505	541	540	180	1.6
IVT-MHI403	25	32	120	138	110	80	505	541	540	180	2.4
IVT-MHI404	25	32	120	138	158	80	553	541	540	180	3.0
IVT-MHI405	25	32	120	138	158	80	553	541	540	180	4.0
IVT-MHI406	25	32	130	138	182	80	577	551	540	180	5.0
IVT-MHI802	32	40	120	144	122	80	517	552	540	180	1.6
IVT-MHI803	32	40	120	144	122	80	517	552	540	180	2.4
IVT-MHI804	32	40	130	144	182	80	517	562	540	180	3.0
IVT-MHI805	32	40	130	144	182	80	517	562	540	180	4.0
IVT-MHI1602	40	50	120	154	138	84	537	562	540	180	1.6
IVT-MHI1603	40	50	120	154	138	84	537	562	540	180	2.4
IVT-MHI1604	40	50	130	154	183	84	582	572	590	210	3.0

Dimensions in mm. Dn1 = discharge port, Dn2 = suction port (DN).