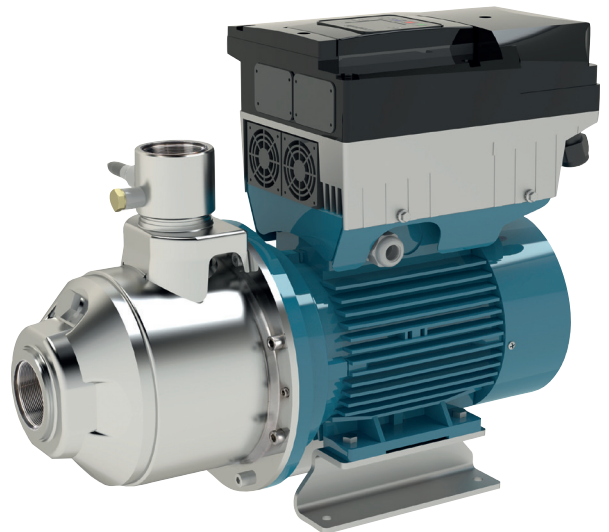
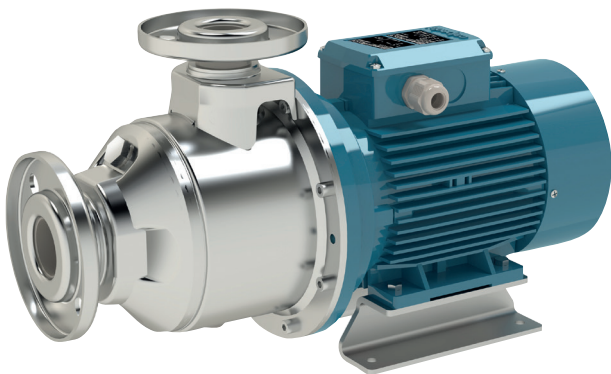
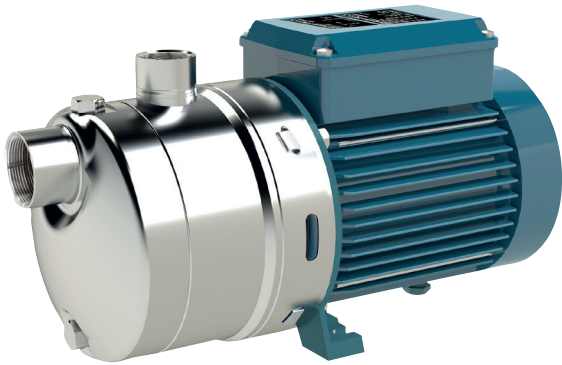
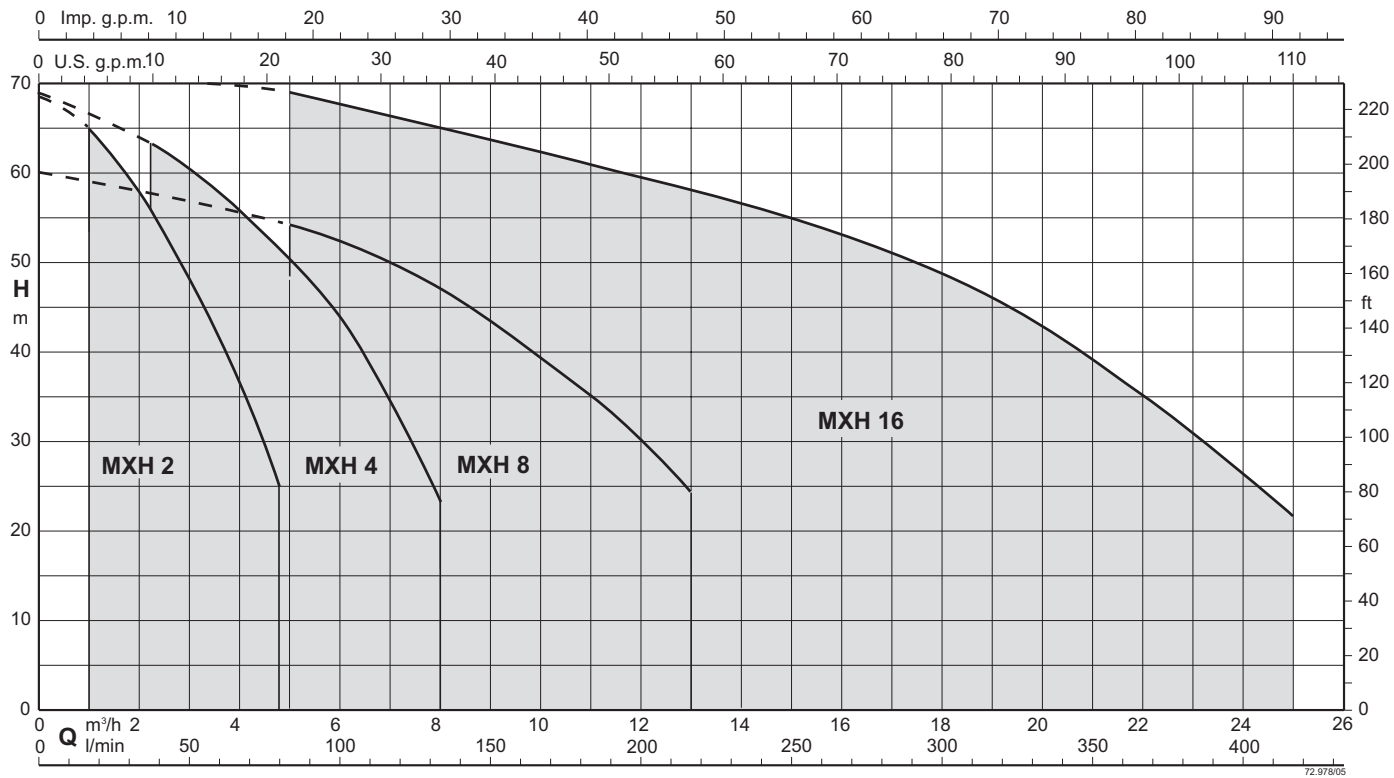


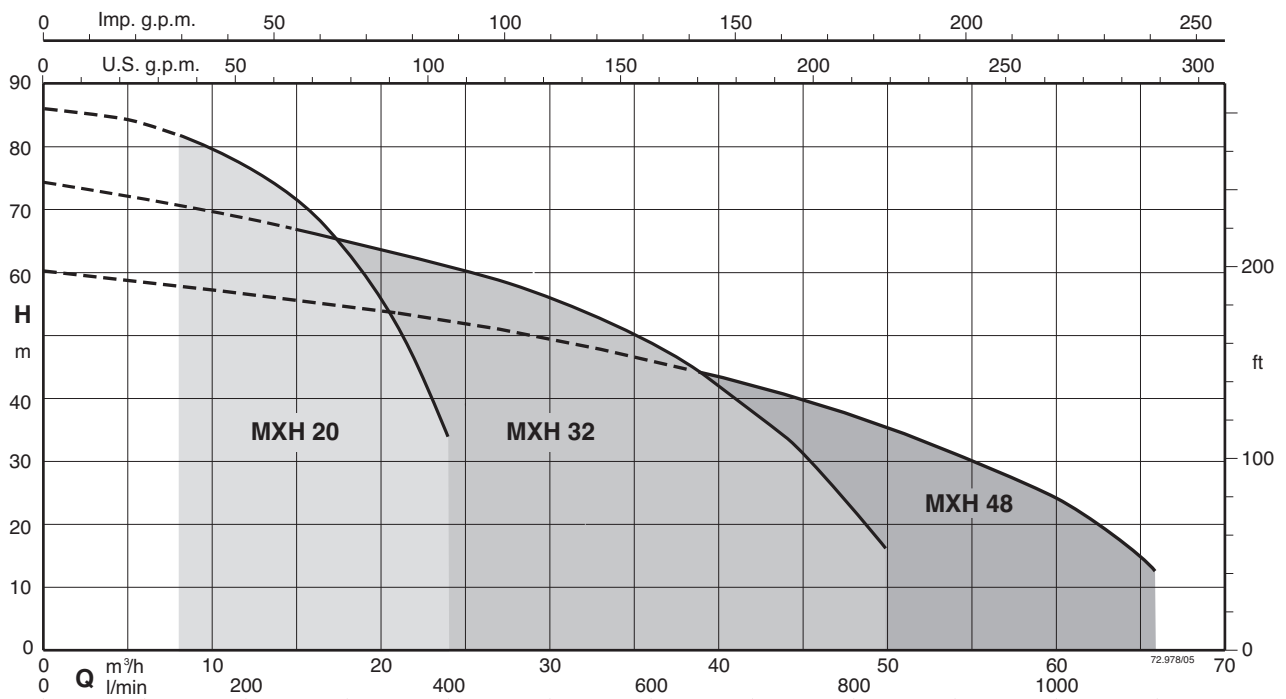


Horizontal multi-stage close coupled
stainless steel pumps

Coverage chart n ≈ 2900 rpm



Coverage chart n ≈ 2900 rpm



Construction

One-piece horizontal multi-stage pumps made of AISI 304 chrome-nickel stainless steel, AISI 316 steel for MXHL 2, 4, 8.

Compact and robust construction, with compact lantern bracket and motor with feet.

Single-piece barrel casing, with front suction port above pumps axis and radial delivery at top.

Version with frequency converter (on request)

Applications

For water supply systems.

For clean liquids, without abrasives, which are non-aggressive for stainless steel (with suitable seal materials, on request).

Universal pump, for domestic use, for civil and industrial applications, for garden use and irrigation.

Operating conditions

Liquid temperature: from -15°C to +110°C.

Ambient temperature up to 40° C.

Maximum permissible final pressure in the pump body: 8 bar, 10 bar for MXH 20, 32, 48.

Continuous duty (S3 60% for single-phase pump to 1,5-1,8 kW).

Motor

2-pole induction motor, 50 Hz (n ≈ 2900 rpm).

MXH: three-phase 230/400 V ± 10% up to 3 kW;
400/690 V ± 10%, from 3.7 to 7.5 kW;

MXHM single-phase single-phase 230 V ± 10%, with thermal protector.

Capacitor inside the terminal box.

Insulation class F.

Protection IP 54.

Motor suitable for operation with frequency converter from 1,1 kW.

IE2 efficiency class for single-phase motors up to 1,1 kW.

IE3 efficiency class for three-phase motors (IE2 up to 0,65 kW).

Constructed in accordance with EN 60034-1; EN 60034-30-1.

EN 60335-1, EN 60335-2-41.

Special features on request

Pumps with ports with Victaulic couplings (-V) for MXH versions 32, 40.

Pumps with flanged ports (-F) for MXH versions 20, 32, 40.

Other voltages.

Frequency 60 Hz (as per 60 Hz data sheet).

Protection IP 55.

Special mechanical seal

Pump casing seal rings in FPM.

Higher or lower liquid or ambient temperatures.

Motor suitable for operation with frequency converter up to 0,75 kW.

Designation

Example: MXH(L) (-V, -F) EI 206/B

MXH = Series

L = Version in 1.4401 EN 10088 (AISI 316) for MXH 2, 4, 8

(-V) = Version with Victaulic couplings for MXH 32, 40

(-F) = Version with flanged ports for MXH 20, 32, 40

EI = With frequency converter I-MAT

2 = Rated capacity in m3/h

06 = Number of impellers

/A = It refers to a revision

Materials

Components	MXH	MXHL
Pump casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Stage casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Wear ring	PPS	PPS
Impeller	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Casing cover	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Spacer sleeve	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Pump shaft	Steel 1.4305 EN 10088 (AISI 303) for MXH 2, 4, 8, 16	Stainless Steel 1.4404 EN 10088 (AISI 316L)
	Steel 1.4401 EN 10088 (AISI 316) for MXH 20, 32, 48	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Plug	Chrome-nickel steel 1.4305 EN 10088 (AISI 303)	Stainless Steel 1.4404 EN 10088 (AISI 316L)
Mechanical seal with seat according to ISO 3069	Ceramic alumina/Carbon/EPDM	Ceramic alumina/Carbon/EPDM

El: Pumps with frequency converter

MXH El pumps are available with powers from 0.55 kW to 7.5 kW and are equipped with on-board I-MAT inverters.

Which allows to realize a variable-speed system extremely compact and efficient, ideal in applications of water supply and in the distribution of hot and cold water. The pump is equipped with transducers suitable for operation and is already programmed at the factory.

Features

- Energy saving
- Compact design
- Easy to use
- Programmable to suit the system requirements
- Reliability

Construction

The system comprises of:

Pump

Induction motor

I-MAT Frequency converter

Motor adapter for the motor mounting of the frequency converter

Connection cable between frequency converter and induction motor

Transducers

Main features

Motor nominal power from 0.55 kW to 7.5 kW.

Control range from 1750 to 2900 rpm (2-pole)

Protection against dry running

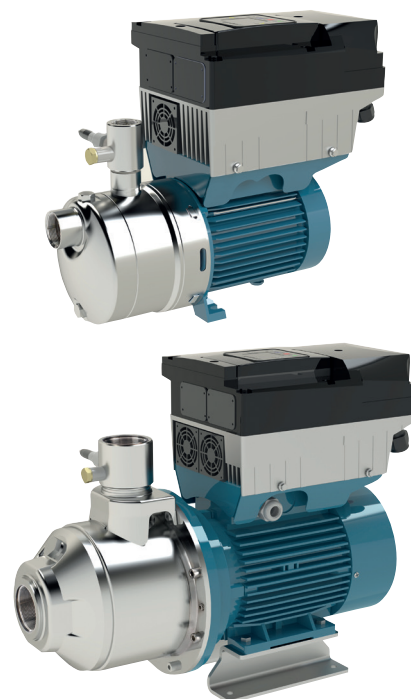
Protection against operations with closed valve ports

Protection against system leakages

Protection against overcurrent in the motor

Protection against overvoltage and undervoltage of the power supply

Protection against current unbalances between phases



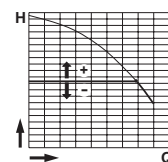
Operating modes



Constant pressure mode

with pressure transducer

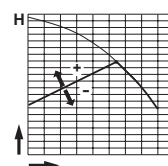
In this mode, the system maintains the preset pressure when the flow required by the installation changes.



Proportional pressure mode

with pressure transducer

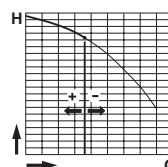
In this mode the system changes the working pressure according to the required flow rate.



Constant flow mode

with flow meter

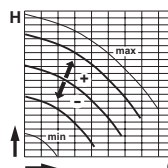
In this mode the system maintains a constant flow rate value in a point of the installation according to the required pressure.



Fixed speed mode

with setting of the speed preferential rotation.

In this mode, by changing the working frequency, you may choose any operational curve included within the working range.



Constant temperature mode

with temperature transducer

In this mode the system keeps the temperature constant inside a system by changing the speed of the pump.

Coverage chart n ≈ 2900 rpm

Data also valid for MXHL (in AISI 316 stainless steel)

Three-phase

						Q = Flow										
						m³/h	0	1	1,5	2	2,5	3	3,5	4	4,25	4,8
								l/min	16,6	25	33,3	41,6	50	58,3	66,6	70,8
Model		230V	400V	P2		H (m) = Total head										
		A		kW	HP											
MXHL	MXH 202E	1,7	1	0,25	0,34		22	20	18,5	17	15,3	13,4	11,4	9,3	8,2	5,6
MXHL	MXH 203E	2,4	1,4	0,37	0,5		33	31	29	27	24,5	21,7	18,6	15,5	13,8	9
MXHL	MXH 204/A	2,8	1,6	0,55	0,75		45	42,5	40,4	37,5	34,5	30,8	26,7	22,4	20,1	14,8
MXHL	MXH 205/B	3,5	2	0,75	1		57	53,5	50,5	47,5	43,5	39	34	28,5	25,8	19
MXHL	MXH 206/C	4,6	2,7	1,1	1,5		68,5	65	61,5	58	53,5	48	43	36,5	33,5	25

Single-phase

						Q = Flow										
						m³/h	0	1	1,5	2	2,5	3	3,5	4	4,25	4,8
								16,6	25	33,3	41,6	50	58,3	66,6	70,8	80
Model		230V	P2		P1	l/min	H (m) = Total head									
		A	kW	HP	kW											
MXHLM	MXHM 202E	2,3	0,25	0,34	0,42		22	20	18,5	17	15,3	13,4	11,4	9,3	8,2	5,6
MXHLM	MXHM 203E	3	0,37	0,5	0,57		33	31	29	27	24,5	21,7	18,6	15,5	13,8	9
MXHLM	MXHM 204/A	4,2	0,55	0,75	0,9		45	42,5	40,4	37,5	34,5	30,8	26,7	22,4	20,1	14,8
MXHLM	MXHM 205/A	5,4	0,75	1	1,2		57	53,5	50,5	47,5	43,5	39	34	28,5	25,8	19
MXHLM	MXHM 206	7,4	1,1	1,5	1,5		68,5	65	61,5	58	53,5	48	43	36,5	33,5	25

Three-phase

						Q = Flow										
						m³/h	0	2,25	3	3,5	4	4,5	5	6	7	8
						l/min		37,5	50	58,3	66,6	75	83,3	100	117	133
Model		230V	400V	P2		H (m) = Total head										
		A		kW	HP											
MXHL	MXH 402E	2,4	1,4	0,37	0,5		22,5	20	19	18,5	17,5	16	15	12,5	9,5	6
MXHL	MXH 403/A	2,8	1,6	0,55	0,75		33	30	29	27,5	26	24,5	23	19,5	15	9,5
MXHL	MXH 404/B	3,5	2	0,75	1		44,5	40,5	38	36,5	35	33	31	26	20	12,5
MXHL	MXH 405/C	4,6	2,7	1,1	1,5		56,5	52	50	47,5	45,5	43	40	33,5	26	16,5
MXHL	MXH 406/A	6,2	3,6	1,5	2		68,5	63	60	58	56	53,5	51	44	35	23

Single-phase

						Q = Flow										
						m³/h	0	2,25	3	3,5	4	4,5	5	6	7	8
								37,5	50	58,3	66,6	75	83,3	100	117	133
Model		230V	P2		P1	l/min	H (m) = Total head									
		A	kW	HP	kW											
MXHLM	MXHM 402E	3	0,37	0,5	0,57		22,5	20	19	18,5	17,5	16	15	12,5	9,5	6
MXHLM	MXHM 403/A	4,2	0,55	0,75	0,9		33	30	29	27,5	26	24,5	23	19,5	15	9,5
MXHLM	MXHM 404/A	5,4	0,75	1	1,2		44,5	40,5	38	36,5	35	33	31	26	20	12,5
MXHLM	MXHM 405	7,4	1,1	1,5	1,5		56,5	52	50	47,5	45,5	43	40	33,5	26	16,5
MXHLM	MXHM 406	9,2	1,5	2	2		68,5	63	60	58	56	53,5	51	44	35	23

Three-phase

						Q = Flow										
						m³/h	0	5	6	7	8	9	10	11	12	13
Model	230V	400V	P2		l/min			83,3	100	117	133	150	167	183	200	217
		A		kW	HP	H (m) = Total head										
MXHL	MXH 802/B	3,5	2	0,75	1		22,5	20,5	20	19	18	16,5	15	13	11	8,5
MXHL	MXH 803/A	4,6	2,7	1,1	1,5		36	32	30,5	29	27,5	25,5	23	20	17	14
MXHL	MXH 804/A	6,2	3,6	1,5	2		48	42,5	41	39	37	34,5	32	28	24	19,5
MXHL	MXH 805/B	8,3	4,8	1,8	2,5		60	54	52	49,5	47	43,5	39,5	35	29,5	24

P1: Maximum power input.

P2: Rated motor power output.

Tolerances according to UNI EN ISO 9906:2012

A safety margin of + 0.5 m is recommended for the NPSH value.

Test results with clean cold water, without gas content.

Coverage chart n ≈ 2900 rpm

Single-phase

						Q = Flow										
						m³/h	0	5	6	7	8	9	10	11	12	13
Model		230V	P2		P1	l/min		83,3	100	117	133	150	167	183	200	217
		A	kW	HP	kW	H (m) = Total head										
MXHLM	MXHM 802/A	5,4	0,75	1	1,2		22,5	20,5	20	19	18	16,5	15	13	11	8,5
MXHLM	MXHM 803	7,4	1,1	1,5	1,5		36	32	30,5	29	27,5	25,5	23	20	17	14
MXHLM	MXHM 804	9,2	1,5	2	2		48	42,5	41	39	37	34,5	32	28	24	19,5
MXHLM	MXHM 805/A	11,2	1,8	2,5	2,5		60	54	52	49,5	47	43,5	39,5	35	29,5	24

Three-phase

							Q = Flow										
							m³/h	0	5	8	11	14	16	18	20	22	25
Model	230V	400V	690V	P2		P1	l/min		83,3	133	183	233	267	300	333	367	417
	A			kW	HP	kW	H (m) = Total head										
MXH 1602/A	6,2	3,6	-	1,5	2	0		24	23	21,7	20,5	18,8	17,5	15,8	14	11,5	6,5
MXH 1603/B	8,3	4,8	-	1,8	2,5	0		36	34	31,8	29,5	26,8	24,8	22,4	19,2	15,3	8,8
MXH 1604/A	11,5	6,6	-	3	4	0		48	46,5	44,5	41,5	38	36	33	29	23	14
MXH 1605/B	-	9,6	5,5	3,7	5	0		60	57,5	55	51,5	48	45	42	37,5	31,5	19
MXH 1606/B	-	9,6	5,5	4	5,5	0		71	68	65	61	56	53	49	44	36	22

Three-phase

						Q = Flow										
						m³/h	0	8	10	12	14	16	18	20	22	24
Model	230V	400V	690V	P2		l/min		133	167	200	233	267	300	333	367	400
	A			kW	HP	H (m) = Total head										
MXH 2001/A	4,6	2,7	-	1,1	1,5		17,6	15,7	15,1	14,4	13,5	12,4	11,1	9,5	7,6	5,4
MXH 2002/A	8,3	4,8	-	1,8	2,5		35,1	31,4	30,3	29,1	27,5	25,6	23,4	20,6	17,4	13,6
MXH 2003	11,5	6,6	-	3	4		54	48,5	46,9	45,2	43,2	40,8	37,7	33,8	28,8	22,3
MXH 2004/A	-	9,6	5,5	4	5,5		71,5	64,5	62,5	60,5	57,5	54,5	50	45	38	29
MXH 2005	-	10,8	6,2	5,5	7,5		89	81,5	79	76	72,5	68	63	56,5	48,5	36

Three-phase

						Q = Flow											
						m³/h	0	15	21	24	27	30	33	36	39	44	50
Model	230V	400V	690V	P2		l/min		250	350	400	450	500	550	600	650	733	833
	A			kW	HP	H (m) = Total head											
MXH 3201/B	9,2	5,3	-	2,2	3		18,4	16,3	15,3	14,8	14	13	12	10,8	9,3	6	-
MXH 3202/B	-	9,6	5,5	4	5,5		37	33	31	30	28,5	27	25	23	20,5	15	7,5
MXH 3203/A	-	10,8	6,2	5,5	7,5		55,5	50	47	45,5	43	40,5	38	35	31	23	10
MXH 3204/A	-	14,3	8,3	7,5	10		74,5	67	63	61	59	56	53	49	44	34	16,5

Three-phase

						Q = Flow											
						m³/h	0	21	27	33	39	45	48	51	54	60	66
Model	230V	400V	690V	P2		l/min		350	450	550	650	750	800	850	900	1000	1100
	A			kW	HP	H (m) = Total head											
MXH 4801/A	11,5	6,6	-	3	4		20	18	17	16	14,5	12,5	11,5	10,5	9,5	7	-
MXH 4802/A	-	10,8	6,2	5,5	7,5		41	35,3	33	30,5	27,5	24,5	22,5	21	19	14	7,5
MXH 4803/A	-	14,3	8,3	7,5	10		60,5	53	50	46	42,5	38	35	32,5	29	22,5	16

P1: Maximum power input.

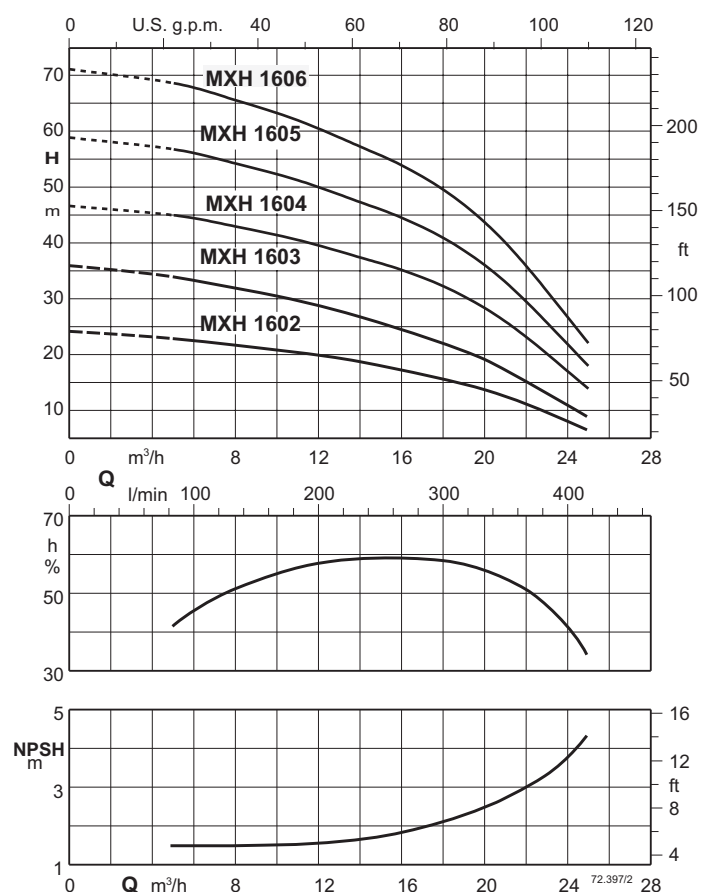
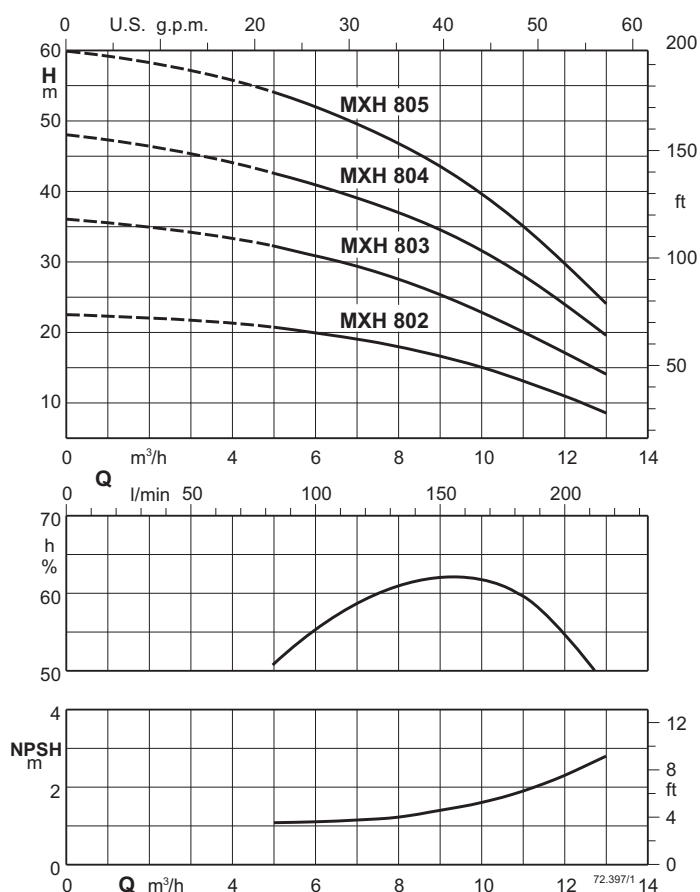
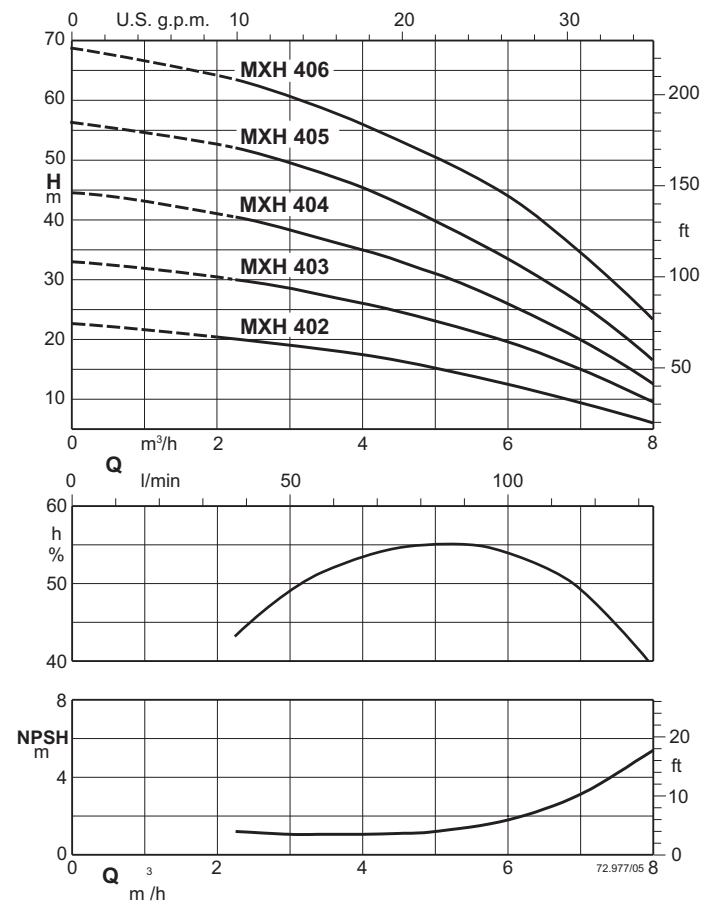
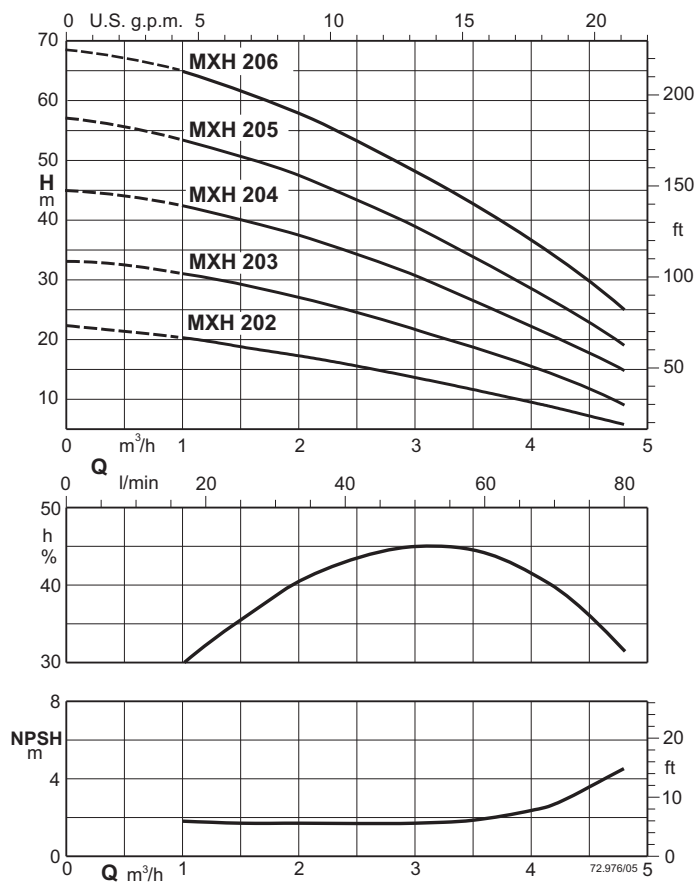
P2: Rated motor power output.

Test results with clean cold water, without gas content.

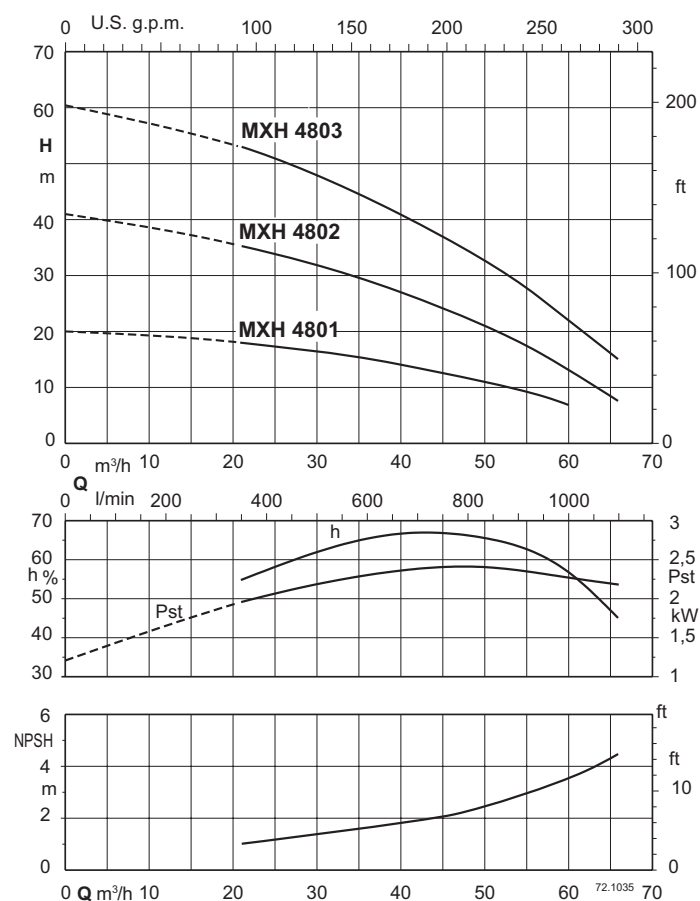
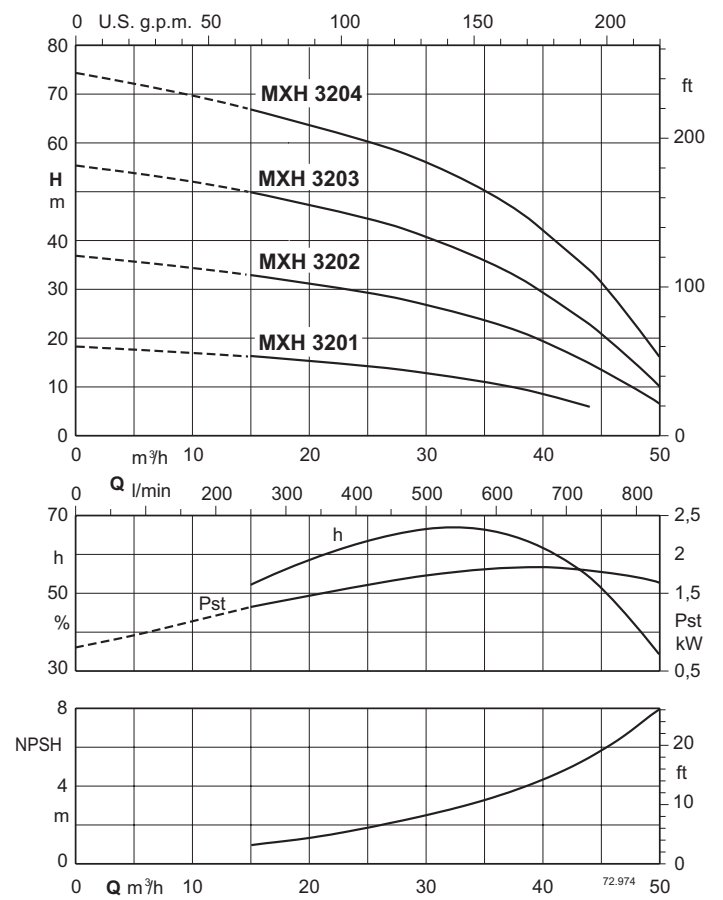
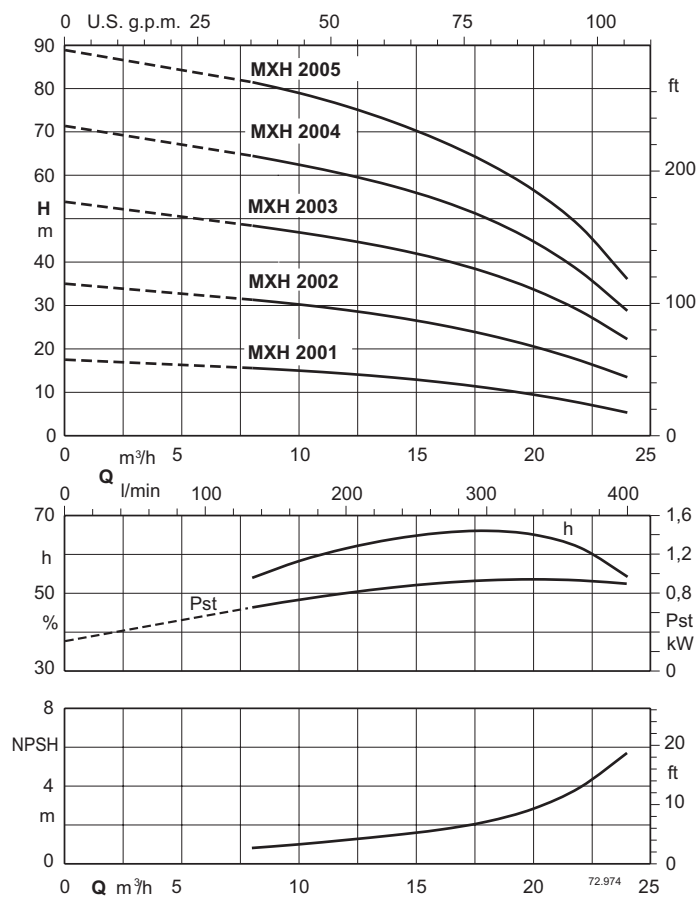
Tolerances according to UNI EN ISO 9906:2012

A safety margin of + 0.5 m is recommended for the NPSH value.

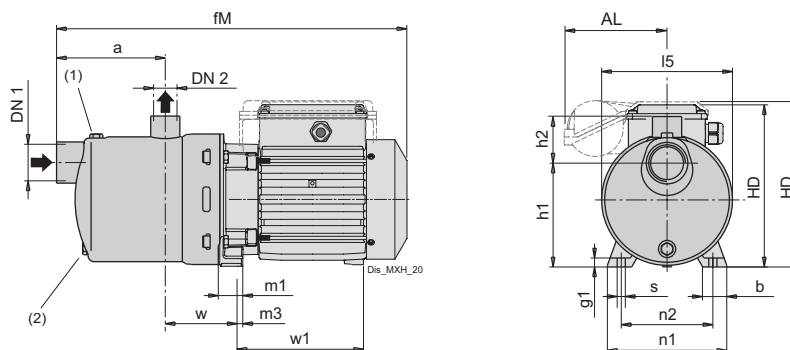
Characteristic curves $n \approx 2900$ rpm



Characteristic curves n ≈ 2900 rpm



Dimensions and weights



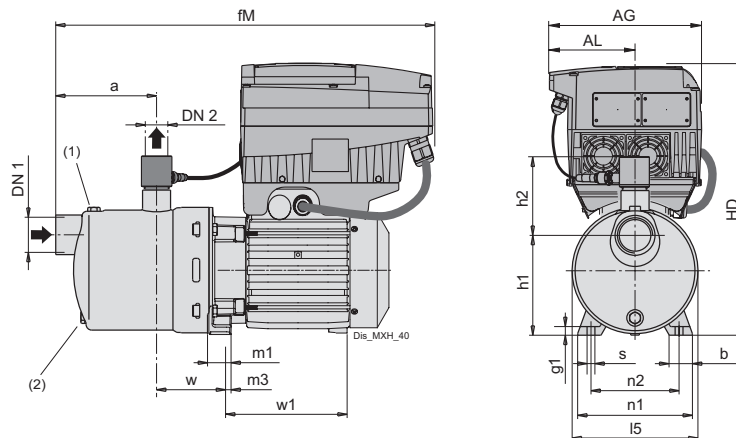
TYPE	DN1	DN2	mm															kg
			a	b	fM	g1	h1	h2	HD	l5	m1	m3	n1	n2	s	w	w1	Weight
MXH 202E	G 1 1/4	G 1	95	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	6.5
MXH 203E	G 1 1/4	G 1	95	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	7.5
MXH 204/A	G 1 1/4	G 1	119	30	382	10	126	57	192	160	28	8	146	112	9.5	88	113	10.3
MXH 205/B	G 1 1/4	G 1	143	30	406	10	126	57	192	160	28	8	146	112	9.5	88	113	12.8
MXH 206/C	G 1 1/4	G 1	167	30.5	501	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	16.9
MXH 402E	G 1 1/4	G 1	95	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	7.1
MXH 403/A	G 1 1/4	G 1	95	30	358	10	126	57	192	160	28	8	146	112	9.5	88	113	9.6
MXH 404/B	G 1 1/4	G 1	119	30	382	10	126	57	192	160	28	8	146	112	9.5	88	113	12.2
MXH 405/C	G 1 1/4	G 1	143	30.5	477	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	16.1
MXH 406/A	G 1 1/4	G 1	167	30.5	501	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	18.4
MXH 802/B	G 1 1/2	G 1	118	30	381	10	126	57	192	160	28	8	146	112	9.5	88	113	11.7
MXH 803/A	G 1 1/2	G 1	118	30.5	452	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	15.2
MXH 804/A	G 1 1/2	G 1	148	30.5	482	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	17.3
MXH 805/B	G 1 1/2	G 1	178	30.5	552	10.5	127	57	212	160	29.5	10	146	112	9.5	88	194	21.2
MXH 1602/A	G 2	G 1 1/2	130	30.5	477	10.5	117	70	212	160	29.5	10	146	112	9.5	101	154	16.8
MXH 1603/B	G 2	G 1 1/2	130	30.5	517	10.5	117	70	212	160	29.5	10	146	112	9.5	101	194	20.1
MXH 1604/A	G 2	G 1 1/2	168	38	614	10.5	132	70	237	161	43.5	15.5	146	112	9.5	113	216	31.7
MXH 1605/B	G 2	G 1 1/2	205	38	651	10.5	132	70	237	161	43.5	15.5	146	112	9.5	113	216	35.7
MXH 1606/B	G 2	G 1 1/2	243	38	689	10.5	132	70	237	161	43.5	15.5	146	112	9.5	113	216	36.8

TYPE			mm																kg
	DN1	DN2	a	AL	b	fM	g1	h1	h2	HD	l5	m1	m3	n1	n2	s	w	w1	Weight
MXHM 202E	G 1 1/4	G 1	95	-	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	6.5
MXHM 203E	G 1 1/4	G 1	95	-	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	7.4
MXHM 204/A	G 1 1/4	G 1	119	-	30	382	10	126	57	192	160	28	8	146	112	9.5	88	113	11.2
MXHM 205/A	G 1 1/4	G 1	143	-	30	406	10	126	57	192	160	28	8	146	112	9.5	88	113	12.8
MXHM 206	G 1 1/4	G 1	167	-	30.5	501	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	16.8
MXHM 402E	G 1 1/4	G 1	95	-	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	7.2
MXHM 403/A	G 1 1/4	G 1	95	-	30	358	10	126	57	192	160	28	8	146	112	9.5	88	113	10.7
MXHM 404/A	G 1 1/4	G 1	119	-	30	382	10	126	57	192	160	28	8	146	112	9.5	88	113	12.2
MXHM 405	G 1 1/4	G 1	143	-	30.5	477	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	16.2
MXHM 406	G 1 1/4	G 1	167	-	30.5	501	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	18.1
MXHM 802/A	G 1 1/2	G 1	118	-	30	381	10	126	57	192	160	28	8	146	112	9.5	88	113	11.9
MXHM 803	G 1 1/2	G 1	118	-	30.5	452	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	15.2
MXHM 804	G 1 1/2	G 1	148	-	30.5	482	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	17.6
MXHM 805/A	G 1 1/2	G 1	178	131	30.5	552	10.5	127	57	217	160	29.5	10	146	112	9.5	88	194	21.6

(1) Filling (2) Draining

Dimensions and weights

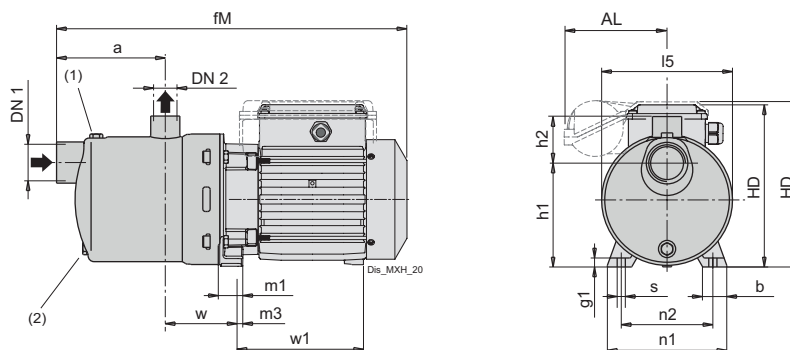
Dimensions and weights also valid for MXHL (1.4401 EN 10088 (AISI 316))



TYPE			mm																		kg
	DN1	DN2	a	AG	AL	b	fM	g1	H	h1	h2	l5	m1	m3	n1	n2	s	w	w1	Weight	
MXH EI 204/A	G 1 1/4	G 1	118	190	105	30	444	10	349	127	108	160	28	8	146	112	9	88	112	17.2	
MXH EI 205/B	G 1 1/4	G 1	142	190	105	30	468	10	349	127	108	160	28	8	146	112	9	88	112	19.6	
MXH EI 206/C	G 1 1/4	G 1	166	190	105	30.5	532	10.5	368	127	108	160	31	10	146	112	10	88	167	24.3	
MXH EI 403/A	G 1 1/4	G 1	94	190	105	30	420	10	349	127	108	160	28	8	146	112	9	88	112	16.5	
MXH EI 404/B	G 1 1/4	G 1	118	190	105	30	444	10	349	127	108	160	28	8	146	112	9	88	112	19.7	
MXH EI 405/C	G 1 1/4	G 1	142	190	105	30.5	508	10.5	368	127	108	160	31	10	146	112	10	88	167	23.2	
MXH EI 406/A	G 1 1/4	G 1	166	190	105	30.5	532	10.5	368	127	108	160	31	10	146	112	10	88	167	25.3	
MXH EI 803/A	G 1 1/4	G 1	118	190	105	30.5	484	10.5	368	127	108	160	31	10	146	112	10	88	167	23	
MXH EI 804/A	G 1 1/2	G 1	148	190	105	30.5	514	10.5	368	127	108	160	31	10	146	112	10	88	167	24.1	
MXH EI 805/B	G 1 1/2	G 1	178	190	105	30.5	552	10.5	368	127	108	160	31	10	146	112	10	88	207	28.4	
MXH EI 1603/B	G 2	G 1 1/2	128	190	105	30.5	516	10.5	368	117	122	160	31	10	146	112	10	101	207	27.5	
MXH EI 1604/A	G 2	G 1 1/2	166	210	118	38	627	10.5	391	132	122	160	44	12	146	112	12	113	232	38.7	
MXH EI 1605/B	G 2	G 1 1/2	203	210	118	38	665	10.5	391	132	122	160	44	12	146	112	12	113	232.01	42.8	
MXH EI 1606/B	G 2	G 1 1/2	241	210	118	38	702	10.5	391	132	122	160	44	12	146	112	12	113	232	43.6	

(1) Filling (2) Draining

Dimensions and weights

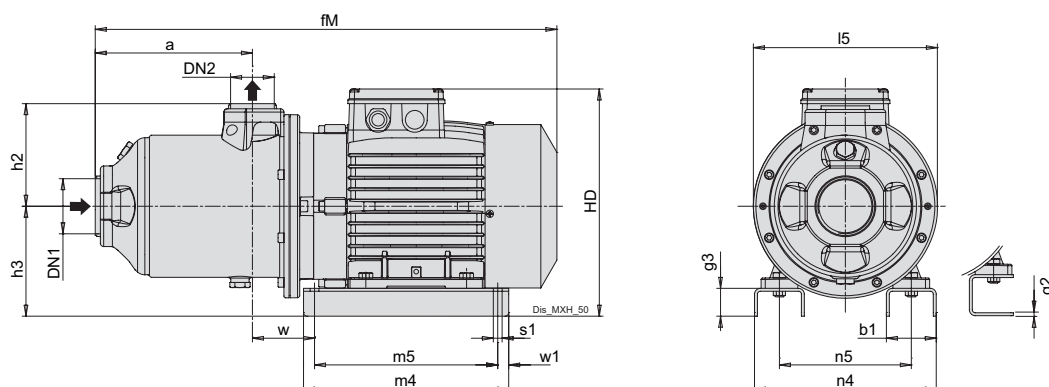


TYPE			mm															kg
	DN1	DN2	a	b	fM	g1	h1	h2	HD	l5	m1	m3	n1	n2	s	w	w1	Weight
MXHL 202E	G 1 1/4	G 1	95	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	6.6
MXHL 203E	G 1 1/4	G 1	95	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	7.5
MXHL 204/A	G 1 1/4	G 1	119	30	382	10	126	57	192	160	28	8	146	112	9.5	88	113	10.3
MXHL 205/B	G 1 1/4	G 1	143	30	406	10	126	57	192	160	28	8	146	112	9.5	88	113	12.9
MXHL 206/C	G 1 1/4	G 1	167	30.5	501	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	16.8
MXHL 402E	G 1 1/4	G 1	95	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	7.1
MXHL 403/A	G 1 1/4	G 1	95	30	358	10	126	57	192	160	28	8	146	112	9.5	88	113	9.6
MXHL 404/B	G 1 1/4	G 1	119	30	382	10	126	57	192	160	28	8	146	112	9.5	88	113	12.3
MXHL 405/C	G 1 1/4	G 1	143	30.5	477	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	16.1
MXHL 406/A	G 1 1/4	G 1	167	30.5	501	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	18.2
MXHL 802/B	G 1 1/2	G 1	118	30	381	10	126	57	192	160	28	8	146	112	9.5	88	113	11.7
MXHL 803/A	G 1 1/2	G 1	118	30.5	452	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	15.1
MXHL 804/A	G 1 1/2	G 1	148	30.5	482	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	17.3
MXHL 805/B	G 1 1/2	G 1	178	30.5	552	10.5	127	57	212	160	29.5	10	146	112	9.5	88	194	21.2

TYPE			mm																kg
	DN1	DN2	a	AL	b	fM	g1	h1	h2	HD	l5	m1	m3	n1	n2	s	w	w1	Weight
MXHLM 202E	G 1 1/4	G 1	95	-	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	6.6
MXHLM 203E	G 1 1/4	G 1	95	-	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	7.6
MXHLM 204/A	G 1 1/4	G 1	119	-	30	382	10	126	57	192	160	28	8	146	112	9.5	88	113	11.2
MXHLM 205/A	G 1 1/4	G 1	143	-	30	406	10	126	57	192	160	28	8	146	112	9.5	88	113	12.8
MXHLM 206	G 1 1/4	G 1	167	-	30.5	501	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	16.8
MXHLM 402E	G 1 1/4	G 1	95	-	30	332	10	126	57	178	160	28	8	146	112	9.5	88	102	7.2
MXHLM 403/A	G 1 1/4	G 1	95	-	30	358	10	126	57	192	160	28	8	146	112	9.5	88	113	10.7
MXHLM 404/A	G 1 1/4	G 1	119	-	30	382	10	126	57	192	160	28	8	146	112	9.5	88	113	12.2
MXHLM 405	G 1 1/4	G 1	143	-	30.5	477	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	16.1
MXHLM 406	G 1 1/4	G 1	167	-	30.5	501	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	18.5
MXHLM 802/A	G 1 1/2	G 1	118	-	30	381	10	126	57	192	160	28	8	146	112	9.5	88	113	11.9
MXHLM 803	G 1 1/2	G 1	118	-	30.5	452	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	15.2
MXHLM 804	G 1 1/2	G 1	148	-	30.5	482	10.5	127	57	212	160	29.5	10	146	112	9.5	88	154	17.6
MXHLM 805/A	G 1 1/2	G 1	178	131	30.5	552	10.5	127	57	217	160	29.5	10	146	112	9.5	88	194	21.6

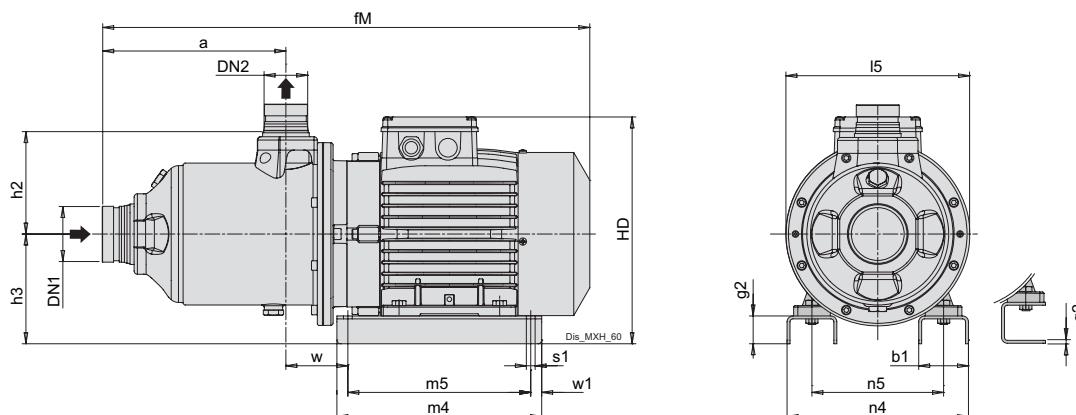
(1) Filling (2) Draining

Dimensions and weights

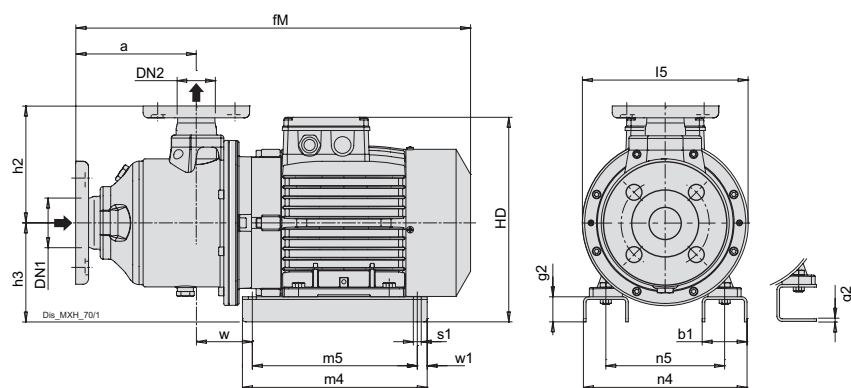


TYPE			mm															kg
	DN1	DN2	a	b1	fM	g2	g3	h1	h3	HD	l5	m4	m5	n4	n5	s1	w1	Weight
MXH 2001/A	G 2"	G 1 1/2"	127	54	467	6	-	150	150	280	250	205	175	165	125	10	15	24.7
MXH 2002/A	G 2"	G 1 1/2"	127	54	507	6	-	150	150	280	250	205	175	165	125	10	15	29.4
MXH 2003	G 2"	G 1 1/2"	146	54	540	6	-	150	150	290	250	205	175	180	140	10	15	36.5
MXH 2004/A	G 2"	G 1 1/2"	181	54	575	6	-	150	150	290	250	205	175	180	140	10	15	41.7
MXH 2005	G 2"	G 1 1/2"	215	68	662	-	38	150	150	317	250	280	250	258	190	12	15	55
MXH 3201/B	G 2 1/2"	G 2"	123	54	503	6	-	150	150	280	250	205	175	165	125	10	15	29.3
MXH 3202/B	G 2 1/2"	G 2"	123	54	517	6	-	150	150	290	250	205	175	180	140	10	15	37.8
MXH 3203/A	G 2 1/2"	G 2"	169	68	616	-	38	150	150	317	250	280	250	258	190	12	15	52.7
MXH 3204/A	G 2 1/2"	G 2"	215	68	662	-	38	150	150	317	250	280	250	258	190	12	15	58
MXH 4801/A	G 3"	G 2 1/2"	139	54	548	6	-	150	150	290	250	205	175	180	140	10	15	36.6
MXH 4802/A	G 3"	G 2 1/2"	139	68	601	-	38	150	150	317	250	280	250	258	190	12	15	52
MXH 4803/A	G 3"	G 2 1/2"	200	68	662	-	38	150	150	317	250	280	250	258	190	12	15	58.8

Dimensions and weights



TYPE	mm																		kg
	DN1	DN2	a	b1	fM	g2	h1	h2	h3	HD	l5	m4	m5	n4	n5	s1	w	w1	Weight
MXH-V 3201/B	76,1 (DN65)	60,3 (DN50)	160	54	540	6	150	177	150	280	250	205	175	165	125	10	95	15	30
MXH-V 3202/B	76,1 (DN65)	60,3 (DN50)	160	54	554	6	150	177	150	290	250	205	175	180	140	10	114	15	39.8
MXH-V 3203/A	76,1 (DN65)	60,3 (DN50)	191	68	622	38	150	177	150	312	250	280	250	258	190	12	97.5	15	-
MXH-V 3204/A	76,1 (DN65)	60,3 (DN50)	237	68	668	38	150	177	150	312	250	280	250	258	190	12	97.5	15	-
MXH-V 4801/A	88,9 (DN 80)	76,1 (DN65)	175	54	584	6	150	177	150	290	250	205	175	180	140	10	129	15	37.2
MXH-V 4802/A	88,9 (DN 80)	76,1 (DN65)	175	68	606	38	150	177	150	312	250	280	250	258	190	12	97.5	15	-
MXH-V 4803/A	88,9 (DN 80)	76,1 (DN65)	237	68	668	38	150	177	150	312	250	280	250	258	190	12	97.5	15	-



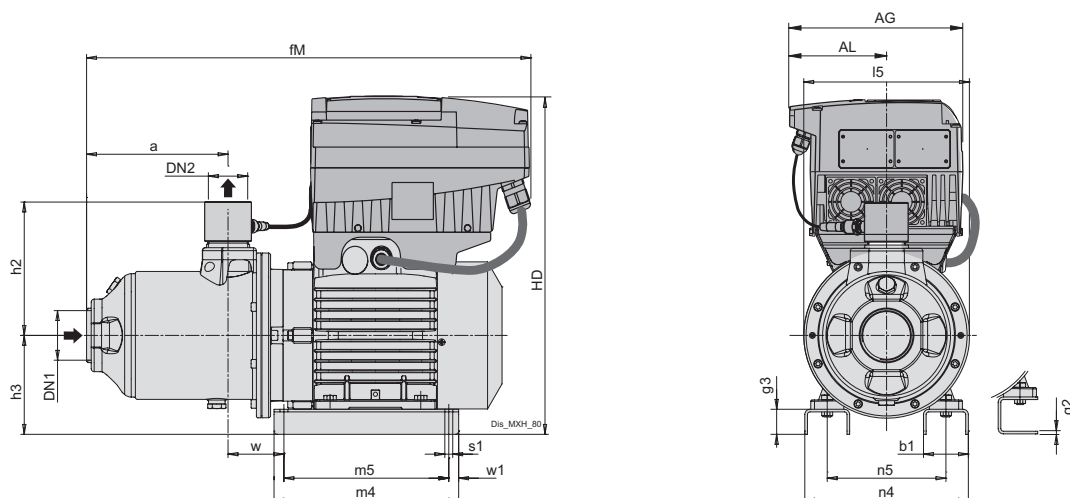
EN 1092-1 compatible flanges*

mm					
DN	DG	DK	DE	Holes	
				N°	ø
40	81	110	150	4	19
50	99	125	165	4	19
65	118	145	185	4	19
80	132	160	200	8	19

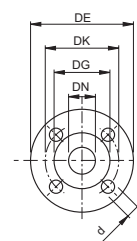
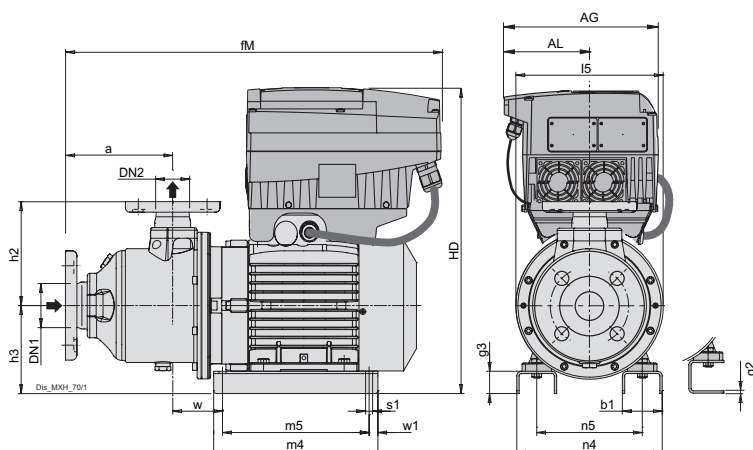
*ASME 150 lb (ex ANSI 150 lb)

TYPE			mm															kg
	DN1	DN2	a	b1	fM	g2	g3	h1	h3	HD	l5	m4	m5	n4	n5	s1	w1	Weight
MXH-F 2001/A	50	40	161	54	501	6	-	150	150	280	250	205	175	165	125	10	15	26.3
MXH-F 2002/A	50	40	161	54	541	6	-	150	150	280	250	205	175	165	125	10	15	31.1
MXH-F 2003	50	40	181	54	575	6	-	150	150	290	250	205	175	180	140	10	15	38.5
MXH-F 2005	50	40	250	68	697	-	38	150	150	317	250	280	250	258	190	12	15	55.7
MXH-F 3201/B	65	50	151	54	531	6	-	150	150	280	250	205	175	165	125	10	15	31.5
MXH-F 3202/B	65	50	151	54	545	6	-	150	150	290	250	205	175	180	140	10	15	41.4
MXH-F 3203/A	65	50	197	68	644	-	38	150	150	317	250	280	250	258	190	12	15	52.3
MXH-F 3204/A	65	50	243	68	690	-	38	150	150	317	250	280	250	258	190	12	15	60.8
MXH-F 4801/A	80	65	156	54	565	6	-	150	150	290	250	205	175	180	140	10	15	39
MXH-F 4802/A	80	65	156	68	618	-	38	150	150	317	250	280	250	258	190	12	15	54.2
MXH-F 4803/A	80	65	218	68	680	-	38	150	150	317	250	280	250	258	190	12	15	-

Dimensions and weights



TYPE	DN1	DN2	mm																kg
			a	AG	AL	b1	fM	g2	H	h2	h3	m4	m5	n4	n5	s1	w	w1	Weight
MXH EI 2001/A	G 2	G 1 1/2	127	190	105	54	507	6	435	192.5	150	205	175	179	125	10	95	15	-
MXH EI 2002/A	G 2	G 1 1/2	127	210	117.5	54	536	6	435	192.5	150	205	175	179	125	10	95	15	-
MXH EI 2003	G 2	G 1 1/2	146	210	117.5	54	559	6	445	192.5	150	205	175	194	140	10	114	15	45
MXH EI 2004/A	G 2	G 1 1/2	181	210	117.5	54	594	6	445	192.5	150	205	175	194	140	10	114	15	-
MXH EI 2005	G 2	G 1 1/2	215	210	117.5	68	632	38	470	192.5	150	280	250	258	190	10	112.5	15	-
MXH EI 3201/B	G 2 1/2	G 2	123	210	117.5	54	533	6	435	197	150	205	175	179	125	10	95	15	-
MXH EI 3202/B	G 2 1/2	G 2	123	210	117.5	54	536	6	445	197	150	205	175	194	140	10	114	15	47
MXH EI 3203/A	G 2 1/2	G 2	154	210	117.5	68	586	38	470	197	150	280	250	258	190	10	127.5	15	-
MXH EI 3204/A	G 2 1/2	G 2	200	281	153.5	68	676	38	512	197	150	280	250	258	190	10	127.5	15	-
MXH EI 4801/A	G 3	G 2 1/2	139	210	117.5	54	567	6	445	202.5	150	205	175	194	140	10	129	15	44.4
MXH EI 4802/A	G 3	G 2 1/2	139	210	-	68	570	38	470	202.5	150	280	250	258	190	10	127.5	15	-
MXH EI 4803/A	G 3	G 2 1/2	200	281	153.5	68	676	38	512	202.5	150	280	250	258	190	10	127.5	15	-



EN 1092-1 compatible flanges*

mm					
DN	DG	DK	DE	Holes	
				N°	ø
40	81	110	150	4	19
50	99	125	165	4	19
65	118	145	185	4	19
80	132	160	200	8	19

* ASME 150 lb (ex ANSI 150 lb)

TYPE	DN1	DN2	mm																kg
			a	AG	AL	b1	fM	g2	H	h2	h3	m4	m5	n4	n5	s1	w	w1	Weight
MXH-F EI 2002/A	50	40	161	210	117.5	54	571	6	435	175	150	205	175	179	125	10	95	15	-
MXH-F EI 2003	50	40	181	210	117.5	54	594	6	445	175	150	205	175	194	140	10	114	15	-
MXH-F EI 2004/A	50	40	215	210	117.5	54	628	6	445	175	150	205	175	194	140	10	114	15	-
MXH-F EI 2005	50	40	250	210	117.5	68	666	38	470	175	150	280	250	258	190	10	112.5	15	-
MXH-F EI 3201/B	65	50	151	210	117.5	54	560	6	435	175	150	205	175	179	125	10	95	15	-
MXH-F EI 3202/B	65	50	151	210	117.5	54	564	6	445	175	150	205	175	194	140	10	114	15	47.5
MXH-F EI 3203/A	65	50	182	210	117.5	68	613	38	470	175	150	280	250	258	190	10	127.5	15	61.5
MXH-F EI 3204/A	65	50	228	281	153.5	68	703	38	512	175	150	280	250	258	190	10	127.5	15	-
MXH-F EI 4801/A	80	65	156	210	117.5	54	584	6	445	175	150	205	175	194	140	10	129	15	-
MXH-F EI 4802/A	80	65	156	210	117.5	68	588	38	470	175	150	280	250	258	190	10	127.5	15	-
MXH-F EI 4803/A	80	65	218	281	153.5	68	693	38	512	175	150	280	250	258	190	10	127.5	15	-