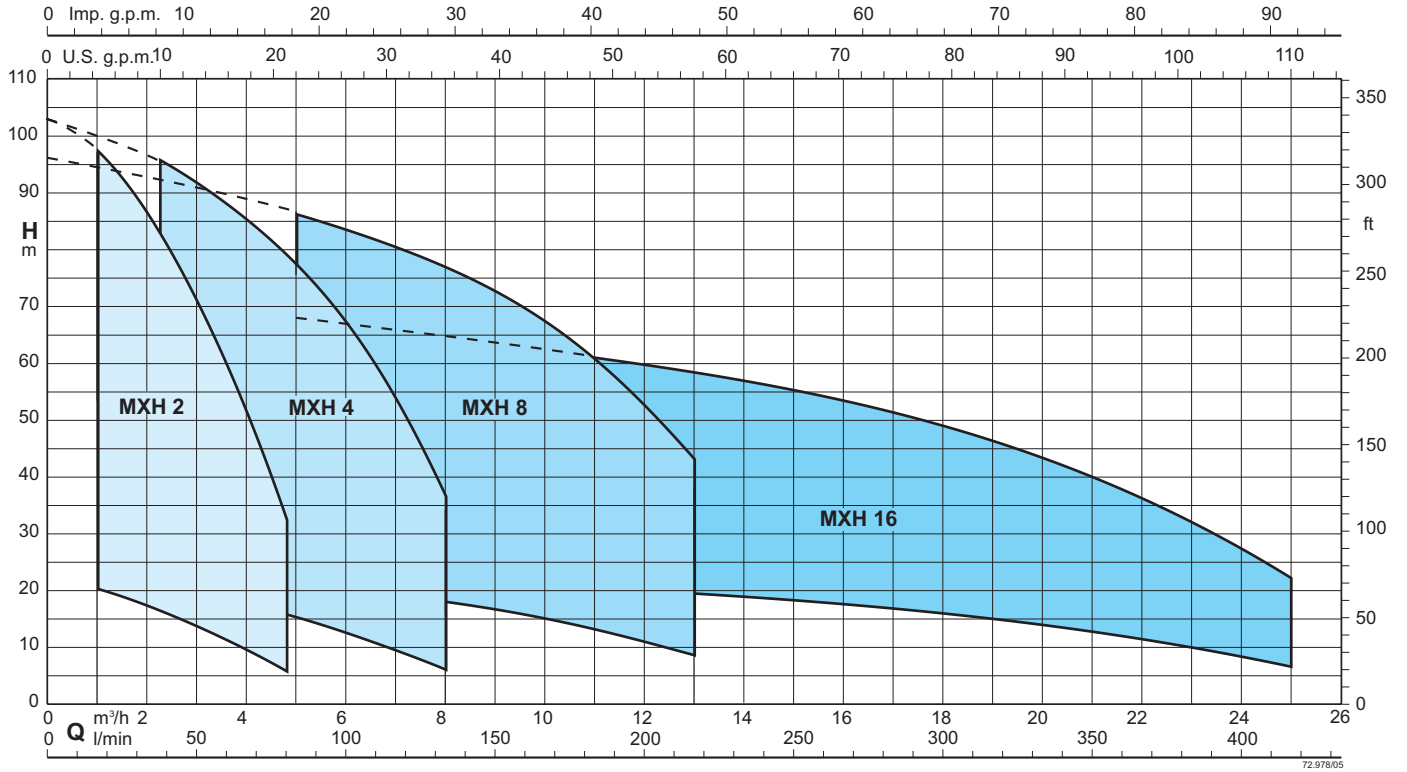


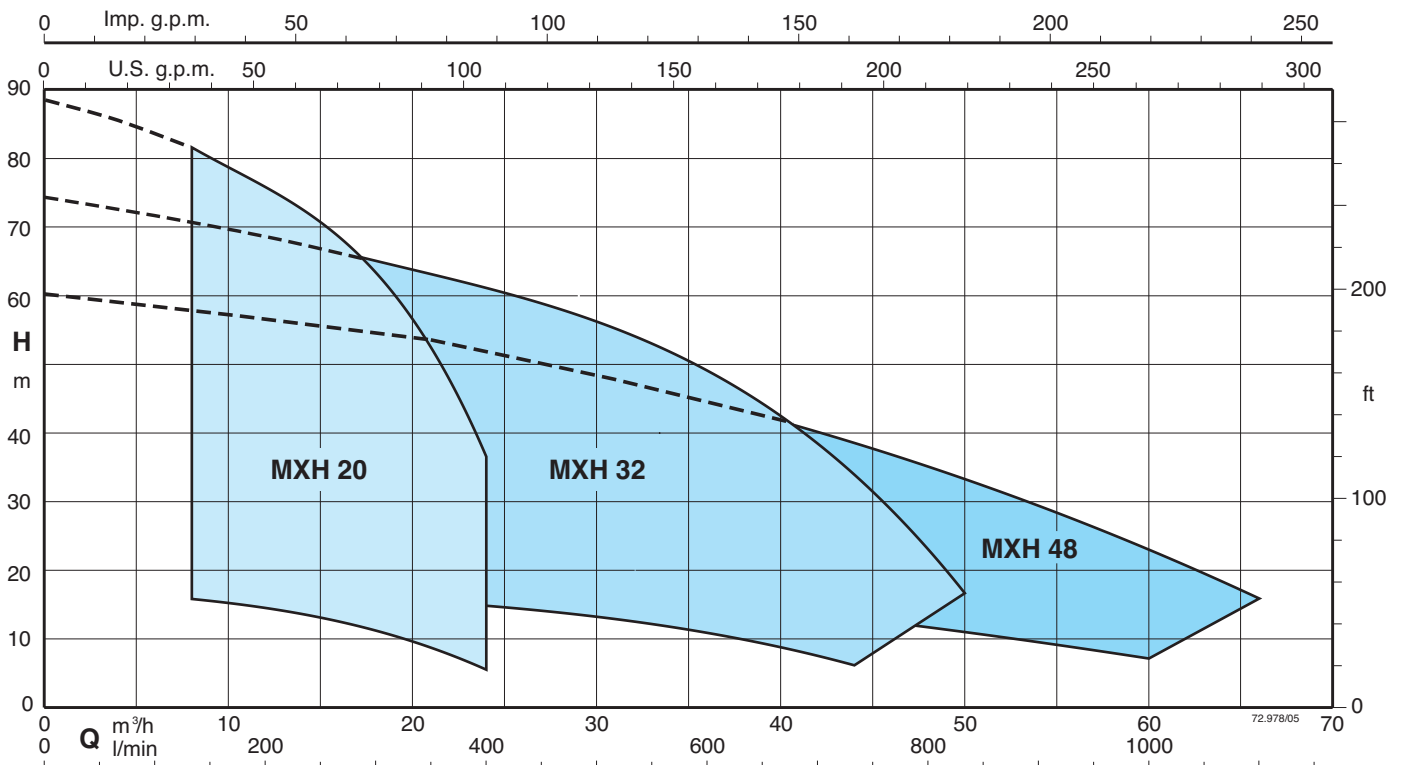
# Horizontal multi-stage close coupled stainless steel pumps



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 316L 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 pressure in the pump casing: 10 bar, 8 bar for MXH 16.

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

## Motor

2-pole induction motor, 50 Hz ( $n \approx 2900$  rpm).

**MXH:** three-phase 230/400 V  $\pm 10\%$  up to 3 kW;

400/690 V  $\pm 10\%$ , from 3.7 to 7.5 kW;

**MXHM** single-phase 230 V  $\pm 10\%$ , 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 1.4404 EN 10088 (AISI 316L) 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 flow in m<sup>3</sup>/h

06 = Number of impellers

/B = It refers to a revision

## Materials

Components	MXH	MXHL (2,4,8)
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)
	Stainless Steel 1.4401 EN 10088 (AISI 316) for MXH 20, 32, 48	-
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

## EI: Pumps with frequency converter

MXH EI pumps are available with power ratings ranging from 0.55 kW to 7.5 kW and are equipped with integrated I-MAT inverters.

This design enables the creation of a highly compact and efficient variable-speed system, making them ideal for water supply applications and the distribution of hot and cold water.

The pump is fitted with transducers optimized for operation and is pre-programmed at the factory for seamless performance.

### Features

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

### Construction

- The system consists 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 rpm (4-pole) to 2900 rpm (2-pole)

Protection against dry running

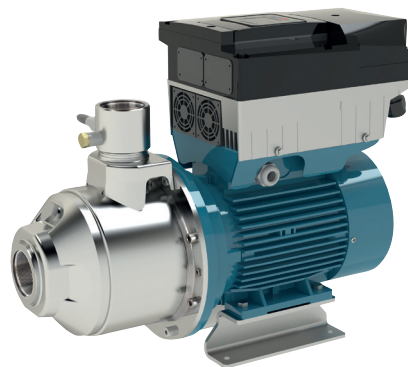
Protection against operations with closed valve ports

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



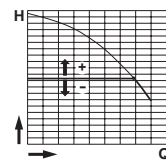
### Operating modes



#### Constant pressure mode

with pressure transducer

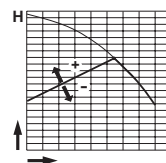
In this mode, the system maintains the preset pressure when the flow required by the installation changes.



#### Proportional pressure mode

with pressure transducer

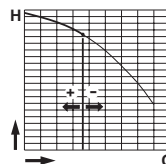
In this mode the system changes the working pressure according to the required flow rate.



#### Constant flow mode

with flow meter

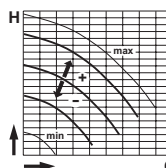
In this mode the system maintains a constant flow rate value in a point of the installation according to the required pressure.



#### 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 316L stainless steel)

## Three-phase

Model		230V 400V		P2		Q = Flow											
						m³/h	0										
							l/min	0	1	1,5	2	2,5	3	3,5	4	4,25	4,8
		A		kW		HP		H (m) = Total head									
MXHL	MXH 202/A	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 203/A	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/B	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/C	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/D	4,6	2,7	1,1	1,5		68,5	65	61,5	58	53,5	48	43	36,5	33,5	25	
MXHL	MXH 207	4,6	2,7	1,1	1,5		80	75,3	71,3	66,5	60,8	54,5	47,5	39,6	35,2	24,7	
MXHL	MXH 208	6,2	3,6	1,5	2		92,5	84,9	80,6	75	68,8	62	54,3	45,1	39,8	27,2	
MXHL	MXH 209	6,2	3,6	1,5	2		103	97,1	92,3	86,2	78,9	70,7	61,4	51,1	45,6	32,3	

## Single-phase

Model		230V		P2		P1		Q = Flow											
								m³/h	0										
									l/min	0	1	1,5	2	2,5	3	3,5	4	4,25	4,8
		A		kW		HP		kW		H (m) = Total head									
MXHLM	MXHM 202/A	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 203/A	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/B	4,5	0,55	0,75	0,78		45	42,5	40,4	37,5	34,5	30,8	26,7	22,4	20,1	14,8			
MXHLM	MXHM 205/B	5,7	0,75	1	1,01		57	53,5	50,5	47,5	43,5	39	34	28,5	25,8	19			
MXHLM	MXHM 206/A	7,4	1,1	1,5	1,44		68,5	65	61,5	58	53,5	48	43	36,5	33,5	25			
MXHLM	MXHM 207	7,4	1,1	1,5	1,5		80	75,3	71,3	66,5	60,8	54,5	47,5	39,6	35,2	24,7			
MXHLM	MXHM 208	9,2	1,5	2	2		92,5	84,9	80,6	75	68,8	62	54,3	45,1	39,8	27,2			
MXHLM	MXHM 209	9,2	1,5	2	2		103	97,1	92,3	86,2	78,9	70,7	61,4	51,1	45,6	32,3			

## Three-phase

Model		230V 400V		P2		Q = Flow											
						m³/h	0										
							l/min	0	2,25	3	3,5	4	4,5	5	6	7	8
		A		kW		HP		H (m) = Total head									
MXHL	MXH 402/A	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/B	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/C	3,5	2	0,75	1		44,5	40,5	38	36,5	35	33	31	26	20	12,5	
MXHL	MXH 405/D	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/B	6,2	3,6	1,5	2		68,5	63	60	58	56	53,5	51	44	35	23	
MXHL	MXH 407	6,2	3,6	1,5	2		79	73	69,9	67,6	65,1	62,2	58,9	50,9	40,7	28,4	
MXHL	MXH 408	8,3	4,8	1,8	2,5		91,5	84,8	81,3	78,6	75,7	72,4	68,6	59,5	47,6	32,7	
MXHL	MXH 409	9,2	5,3	2,2	3		103,5	95,6	91,5	88,4	85,1	81,3	77,2	67	53,6	36,5	

## Single-phase

Model		230V		P2		P1		Q = Flow											
								m³/h	0										
									l/min	0	2,25	3	3,5	4	4,5	5	6	7	8
		A		kW		HP		kW		H (m) = Total head									
MXHLM	MXHM 402/A	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/B	4,5	0,55	0,75	0,78		33	30	29	27,5	26	24,5	23	19,5	15	9,5			
MXHLM	MXHM 404/B	5,7	0,75	1	1,01		44,5	40,5	38	36,5	35	33	31	26	20	12,5			
MXHLM	MXHM 405/A	7,4	1,1	1,5	1,44		56,5	52	50	47,5	45,5	43	40	33,5	26	16,5			
MXHLM	MXHM 406/A	9,2	1,5	2	2		68,5	63	60	58	56	53,5	51	44	35	23			
MXHLM	MXHM 407	9,2	1,5	2	2		79	73	69,9	67,6	65,1	62,2	58,9	50,9	40,7	28,4			
MXHLM	MXHM 408	11,2	1,8	2,5	2,5		91,5	84,8	81,3	78,6	75,7	72,4	68,6	59,5	47,6	32,7			

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

## Three-phase

						Q = Flow									
						m³/h	0	5	6	7	8	9	10	11	12
Model	230V	400V	P2		l/min	0	83,3	100	117	133	150	167	183	200	217
	A	kW	HP	H (m) = Total head											
MXHL	MXH 802/C	3,5	2	0,75	1	22,5	20,5	20	19	18	16,5	15	13	11	8,5
MXHL	MXH 803/B	4,6	2,7	1,1	1,5	36	32	30,5	29	27,5	25,5	23	20	17	14
MXHL	MXH 804/B	6,2	3,6	1,5	2	48	42,5	41	39	37	34,5	32	28	24	19,5
MXHL	MXH 805/C	8,3	4,8	1,8	2,5	60	54	52	49,5	47	43,5	39,5	35	29,5	24
MXHL	MXH 806	9,2	5,3	2,2	3	71	63,1	60,7	58	55,1	51,7	47,5	42,3	35,8	28,1
MXHL	MXH 807	11,5	6,6	3	4	83,5	75,4	73	70,3	67,1	63,4	58,7	53	45,9	37,6
MXHL	MXH 808	11,5	6,6	3	4	95,5	86	83,3	80,3	76,7	72,5	67,2	60,6	52,4	43

## Single-phase

						Q = Flow									
						m³/h	0	5	6	7	8	9	10	11	12
Model	230V	P2		P1	l/min	0	83,3	100	117	133	150	167	183	200	217
	A	kW	HP	kW											
MXHLM	MXHM 802/B	5,7	0,75	1	1,01	22,5	20,5	20	19	18	16,5	15	13	11	8,5
MXHLM	MXHM 803/A	7,4	1,1	1,5	1,44	36	32	30,5	29	27,5	25,5	23	20	17	14
MXHLM	MXHM 804/A	9,2	1,5	2	2	48	42,5	41	39	37	34,5	32	28	24	19,5
MXHLM	MXHM 805/B	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		l/min	0	83,3	133	183	233	267	300	333	367	417
	A	kW	HP	H (m) = Total head												
MXH 1602/A	6,2	3,6	-	1,5	2	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	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	48	46,5	44,5	41,5	38	36	33	29	23	14	
MXH 1605/B	-	9,6	5,5	4	5,5	60	57,5	55	51,5	48	45	42	37,5	31,5	19	
MXH 1606/B	-	9,6	5,5	4	5,5	71	68	65	61	56	53	49	44	36	22	

## Single-phase

						Q = Flow									
						m³/h	0	5	8	11	14	16	18	20	22
Model	230V	P2		P1	l/min	0	83,3	133	183	233	267	300	333	367	417
	A	kW	HP	kW											
MXHM 1602	9,2	1,5	2	2	48	23	21,7	20,5	18,8	17,5	15,8	14	11,5	6,5	
MXHM 1603	11,2	1,8	2,5	2,5	36	34	31,8	29,5	26,8	24,8	22,4	19,2	15,3	8,8	

**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**
**Three-phase**

Model	230V	400V	690V	P2		Q = Flow											
						m <sup>3</sup> /h	l/min	0	8	10	12	14	16	18	20	22	24
									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**

Model	230V	400V	690V	P2		Q = Flow												
						m <sup>3</sup> /h	l/min	0	15	21	24	27	30	33	36	39	44	50
									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**

Model	230V	400V	690V	P2		Q = Flow												
						m <sup>3</sup> /h	l/min	0	21	27	33	39	45	48	51	54	60	66
									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.

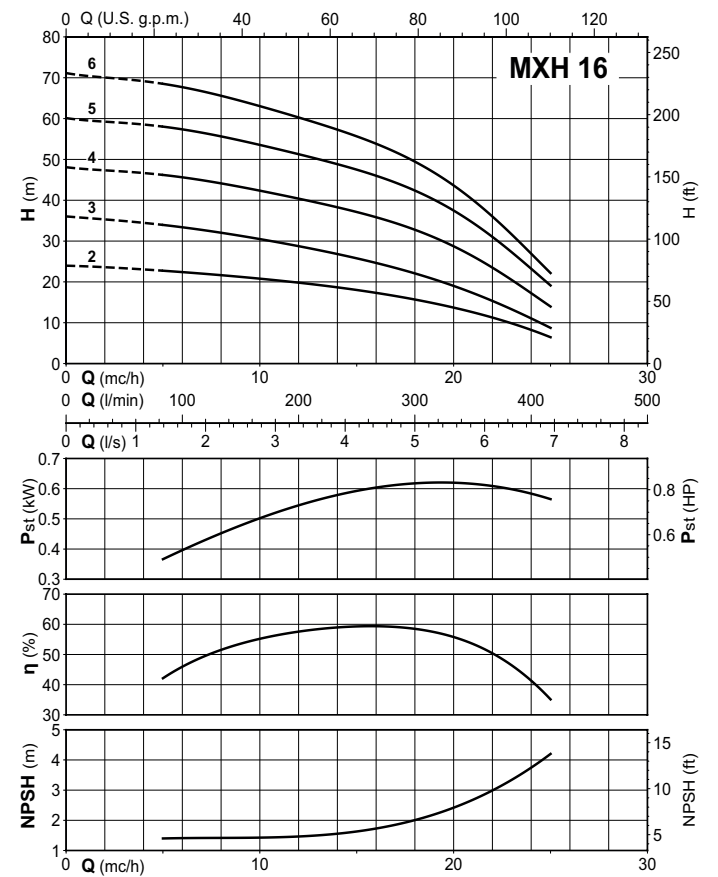
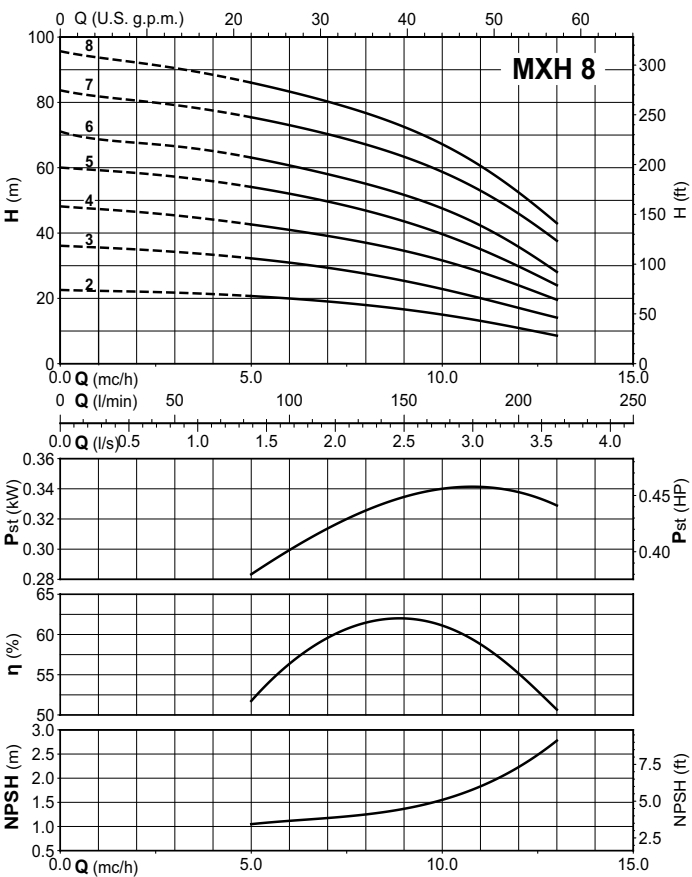
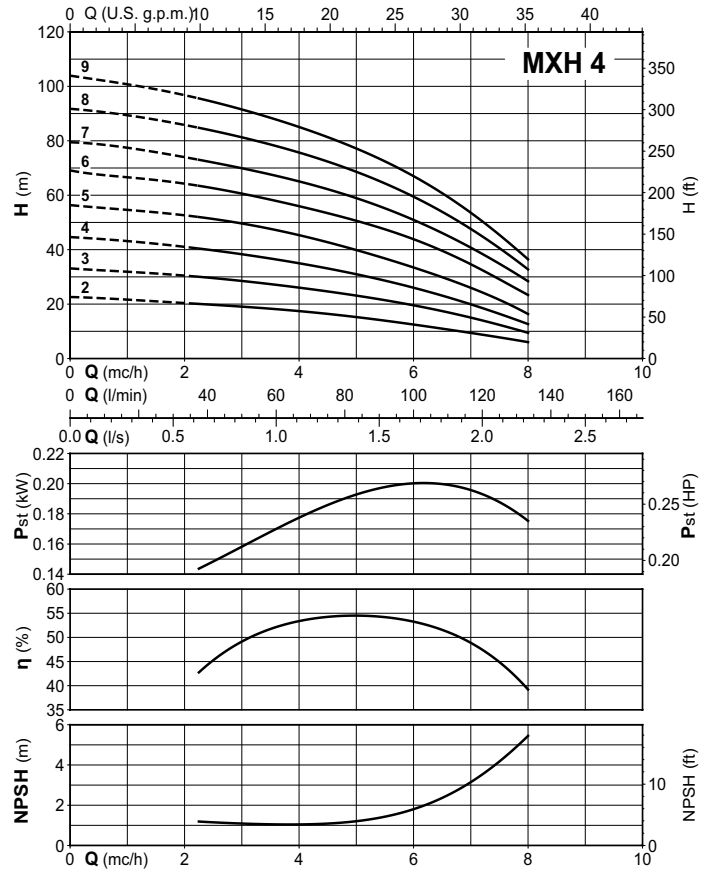
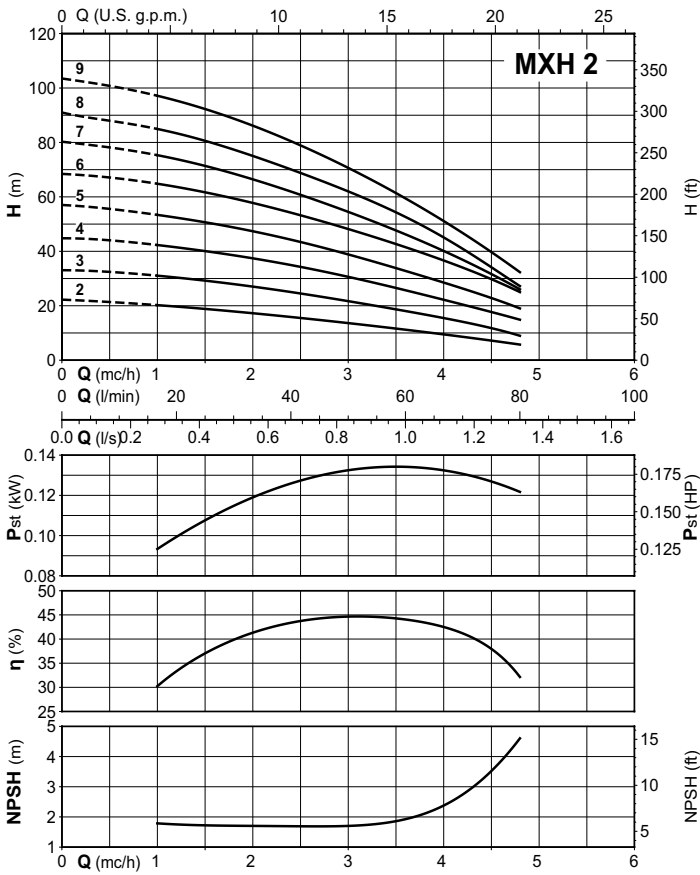
Tolerances according to UNI EN ISO 9906:2012

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

**Test results with clean cold water, without gas content.**

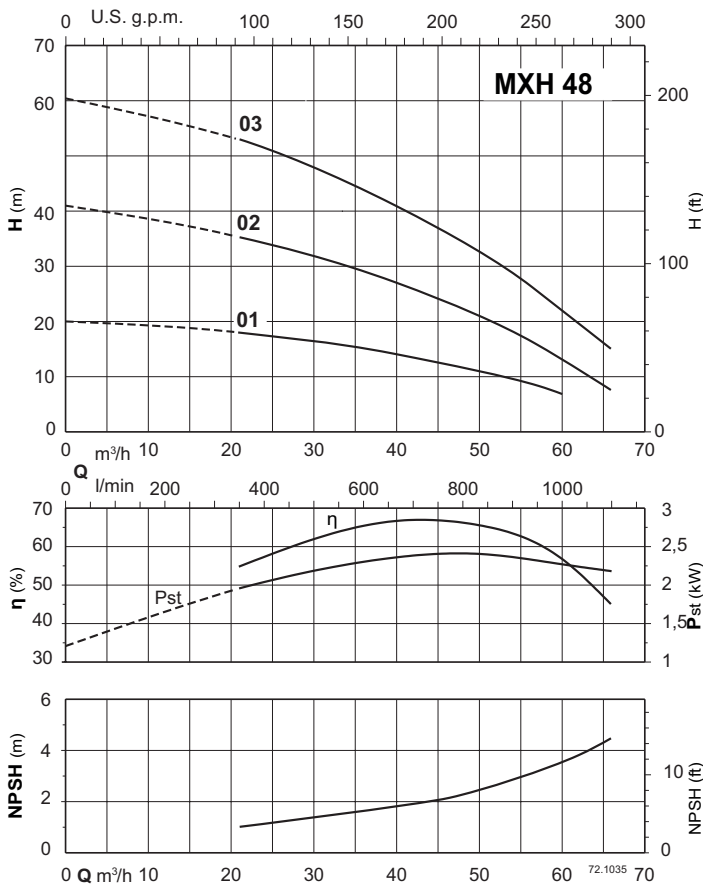
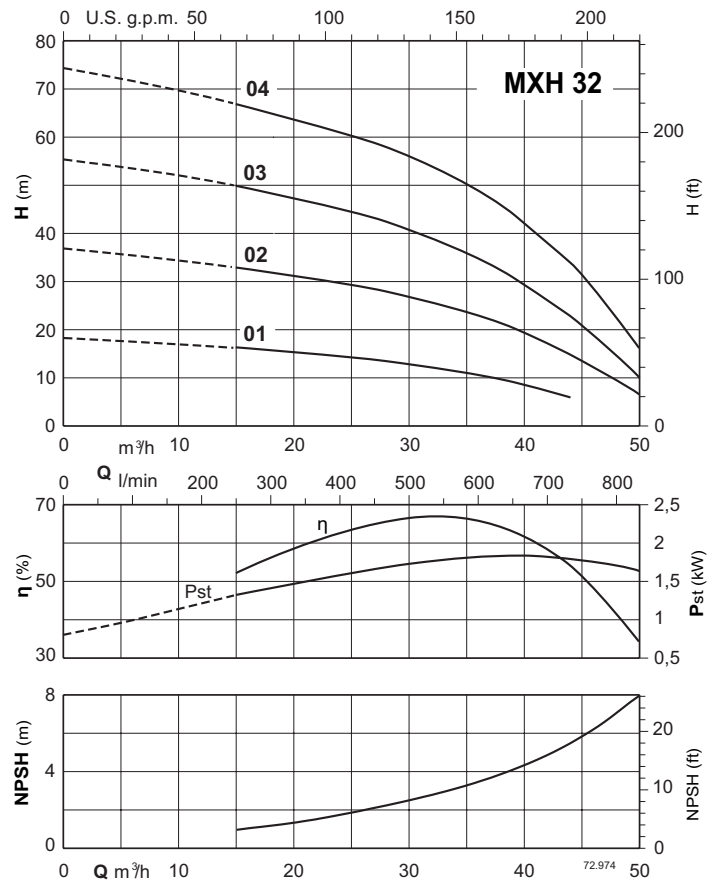
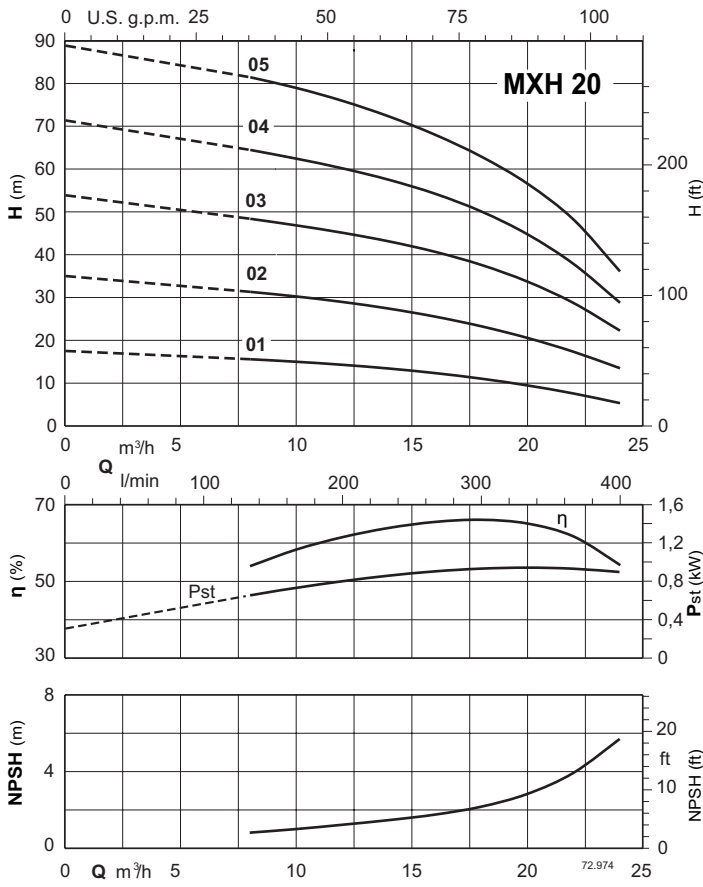


Characteristic curves  $n \approx 2900$  rpm

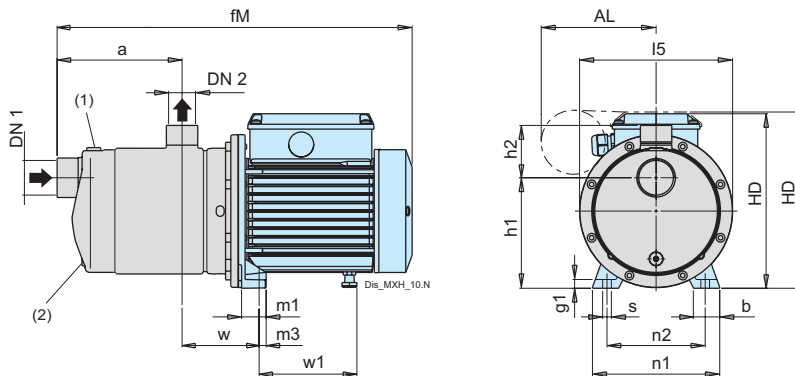




Characteristic curves  $n \approx 2900$  rpm



Dimensions and weights



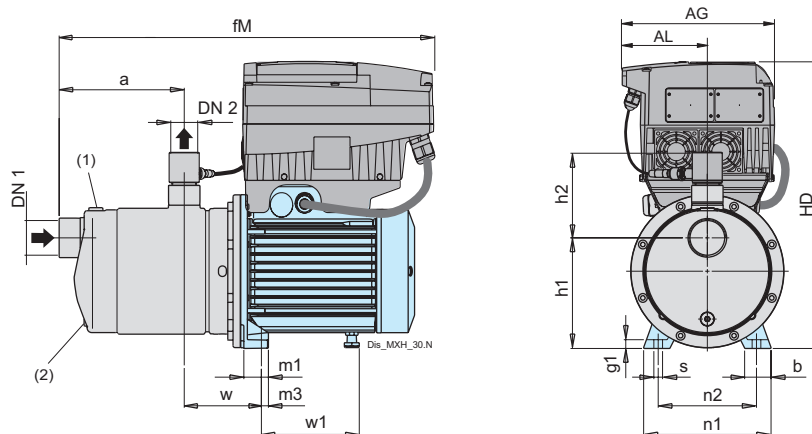
TYPE			mm															kg
	DN1	DN2	a	b	fM	g1	h1	h2	HD	I5	m1	m3	n1	n2	s	w	w1	Weight
MXH 202/A	G 1 1/4	G 1	95	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	-
MXH 203/A	G 1 1/4	G 1	95	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	-
MXH 204/B	G 1 1/4	G 1	119	30.5	381	10	126	60	201	175	28	8	146	112	9.5	88	113	-
MXH 205/C	G 1 1/4	G 1	143	30.5	405	10	126	60	201	175	28	8	146	112	9.5	88	113	-
MXH 206/D	G 1 1/4	G 1	167	28.5	489	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXH 207	G 1 1/4	G 1	191	28.5	513	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXH 208	G 1 1/4	G 1	215	28.5	537	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXH 209	G 1 1/4	G 1	239	28.5	561	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXH 402/A	G 1 1/4	G 1	95	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	-
MXH 403/B	G 1 1/4	G 1	95	30.5	357	10	126	60	201	175	28	8	146	112	9.5	88	113	-
MXH 404/C	G 1 1/4	G 1	119	30.5	381	10	126	60	201	175	28	8	146	112	9.5	88	113	-
MXH 405/D	G 1 1/4	G 1	143	28.5	465	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXH 406/B	G 1 1/4	G 1	167	28.5	489	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXH 407	G 1 1/4	G 1	191	28.5	513	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXH 408	G 1 1/4	G 1	215	28.5	577	10	126	60	218	175	28	8	146	112	9.5	88	189	-
MXH 409	G 1 1/4	G 1	239	28.5	601	10	126	60	218	175	28	8	146	112	9.5	88	189	-
MXH 802/C	G 1 1/2	G 1	117	30.5	379	10	126	60	201	175	28	8	146	112	9.5	88	113	-
MXH 803/B	G 1 1/2	G 1	117	28.5	440	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXH 804/B	G 1 1/2	G 1	147	28.5	470	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXH 805/C	G 1 1/2	G 1	177	28.5	540	10	126	60	218	175	28	8	146	112	9.5	88	189	-
MXH 806	G 1 1/2	G 1	207	28.5	570	10	126	60	218	175	28	8	146	112	9.5	88	189	-
MXH 807	G 1 1/2	G 1	237	41	670	11	141	60	243	175	45.5	11.5	150	112	9.5	100	222	-
MXH 808	G 1 1/2	G 1	267	41	700	11	141	60	243	175	45.5	11.5	150	112	9.5	100	222	-
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	-
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	20.8
MXH 1604/A	G 2	G 1 1/2	168	38	614	10.5	132	70	237	160	43.5	15.5	146	112	9.5	113	216	30.4
MXH 1605/B	G 2	G 1 1/2	205	38	651	10.5	132	70	237	160	43.5	15.5	146	112	9.5	113	216	36.8
MXH 1606/B	G 2	G 1 1/2	243	38	689	10.5	132	70	237	160	43.5	15.5	146	112	9.5	113	216	35.2

TYPE			mm															kg	
	DN1	DN2	a	AL	b	fM	g1	h1	h2	HD	I5	m1	m3	n1	n2	s	w	w1	Weight
MXHM 202/A	G 1 1/4	G 1	95	-	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	-
MXHM 203/A	G 1 1/4	G 1	95	-	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	8.7
MXHM 204/B	G 1 1/4	G 1	119	-	30.5	381	10	126	60	201	175	28	8	146	112	9.5	88	113	-
MXHM 205/B	G 1 1/4	G 1	143	-	30.5	405	10	126	60	201	175	28	8	146	112	9.5	88	113	-
MXHM 206/A	G 1 1/4	G 1	167	-	28.5	489	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXHM 207	G 1 1/4	G 1	191	-	28.5	513	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXHM 208	G 1 1/4	G 1	215	-	28.5	537	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXHM 209	G 1 1/4	G 1	239	-	28.5	561	10	126	60	218	175	28	8	146	112	9.5	88	149	21.7
MXHM 402/A	G 1 1/4	G 1	95	-	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	8.3
MXHM 403/B	G 1 1/4	G 1	95	-	30.5	357	10	126	60	201	175	28	8	146	112	9.5	88	113	11.4
MXHM 404/B	G 1 1/4	G 1	119	-	30.5	381	10	126	60	201	175	28	8	146	112	9.5	88	113	-
MXHM 405/A	G 1 1/4	G 1	143	-	28.5	465	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXHM 406/A	G 1 1/4	G 1	167	-	28.5	489	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXHM 407	G 1 1/4	G 1	191	-	28.5	513	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXHM 408	G 1 1/4	G 1	215	131	28.5	577	10	126	60	223	175	28	8	146	112	9.5	88	189	24.8
MXHM 802/B	G 1 1/2	G 1	117	-	30.5	379	10	126	60	201	175	28	8	146	112	9.5	88	113	12.5
MXHM 803/A	G 1 1/2	G 1	117	-	28.5	440	10	126	60	218	175	28	8	146	112	9.5	88	149	17.4
MXHM 804/A	G 1 1/2	G 1	147	-	28.5	470	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXHM 805/B	G 1 1/2	G 1	177	131	28.5	540	10	126	60	223	175	28	8	146	112	9.5	88	189	-
MXHM 1602	G 1 1/2	G 1	148	-	30.5	482	10.5	127	70	210	160	31	10	146	112	10	88	167	-
MXHM 1603	G 2	G 1 1/2	128	-	30.5	516	10.5	117	70	210	160	31	10	146	112	10	101	207	-

(1) Filling (2) Draining

**Dimensions and weights**

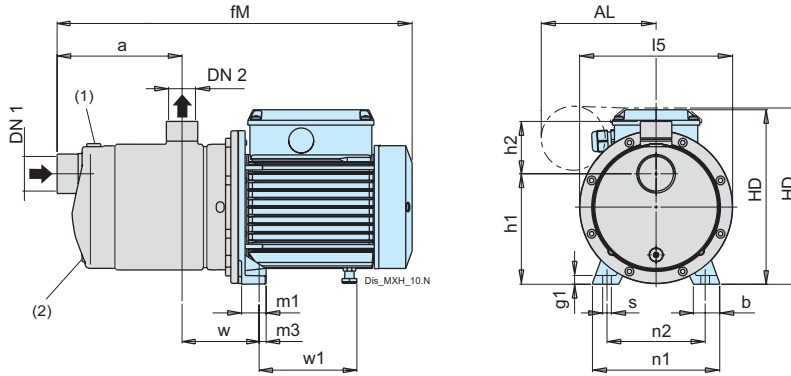
Dimensions and weights also valid for MXHL (1.4401 EN 10088 (AISI 316))



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	119	190	105	30.5	443	10	356	126	114	175	28	8	146	112	9.50	88	113	17.2
MXH EI 205/B	G 1 1/4	G 1	143	190	105	30.5	467	10	356	126	114	175	28	8	146	112	9.50	88	113	19.6
MXH EI 206/C	G 1 1/4	G 1	167	190	105	28.5	521	10	373	126	114	175	28	8	146	112	9.50	88	149	24.3
MXH EI 207	G 1 1/4	G 1	191	190	105	28.5	545	10	373	126	114	175	28	8	146	112	9.50	88	149	-
MXH EI 208	G 1 1/4	G 1	215	190	105	28.5	569	10	373	126	114	175	28	8	146	112	9.50	88	149	-
MXH EI 209	G 1 1/4	G 1	239	190	105	28.5	593	10	373	126	114	175	28	8	146	112	9.50	88	149	-
MXH EI 403/A	G 1 1/4	G 1	95	190	105	30.5	419	10	356	126	114	175	28	8	146	112	9.50	88	113	16.5
MXH EI 404/B	G 1 1/4	G 1	119	190	105	30.5	443	10	356	126	114	175	28	8	146	112	9.50	88	113	19.7
MXH EI 405/C	G 1 1/4	G 1	143	190	105	28.5	497	10	373	126	114	175	28	8	146	112	9.50	88	149	23.2
MXH EI 406/A	G 1 1/4	G 1	167	190	105	28.5	521	10	373	126	114	175	28	8	146	112	9.50	88	149	25.3
MXH EI 407	G 1 1/4	G 1	191	190	105	28.5	545	10	373	126	114	175	28	8	146	112	9.50	88	149	-
MXH EI 408	G 1 1/4	G 1	215	190	105	28.5	577	10	373	126	114	175	28	8	146	112	9.50	88	189	-
MXH EI 409	G 1 1/4	G 1	239	210	118	28.5	625	10	373	126	114	175	28	8	146	112	9.50	88	189	-
MXH EI 803/B	G 1 1/2	G 1	117	190	105	28.5	472	10	373	126	114	175	28	8	146	112	9.50	88	149	23
MXH EI 804/A	G 1 1/2	G 1	147	190	105	28.5	502	10	373	126	114	175	28	8	146	112	9.50	88	149	24.1
MXH EI 805/B	G 1 1/2	G 1	177	190	105	28.5	540	10	373	126	114	175	28	8	146	112	9.50	88	189	28.4
MXH EI 806	G 1 1/2	G 1	207	210	118	28.5	594	10	373	126	114	175	28	8	146	112	9.50	88	189	-
MXH EI 807	G 1 1/2	G 1	237	210	118	41	683	11	398	141	114	175	45.5	11.5	150	112	9.50	100	222	-
MXH EI 808	G 1 1/2	G 1	267	210	118	41	713	11	398	141	114	175	45.5	11.5	150	112	9.50	100	222	-
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	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

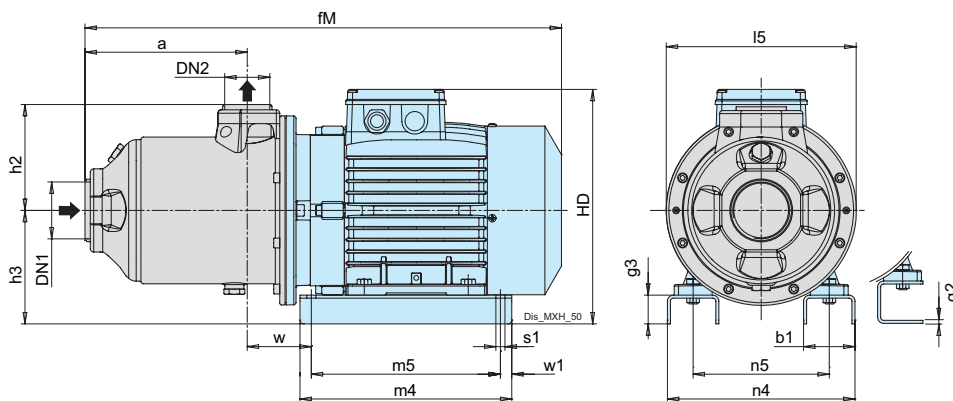


TYPE	DN1	DN2	mm															kg
			a	b	fM	g1	h1	h2	HD	l5	m1	m3	n1	n2	s	w	w1	Weight
MXHL 202/A	G 1 1/4	G 1	95	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	8.4
MXHL 203/A	G 1 1/4	G 1	95	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	7
MXHL 204/B	G 1 1/4	G 1	119	30.5	381	10	126	60	201	175	28	8	146	112	9.5	88	113	9.9
MXHL 205/C	G 1 1/4	G 1	143	30.5	405	10	126	60	201	175	28	8	146	112	9.5	88	113	12.9
MXHL 206/D	G 1 1/4	G 1	167	28.5	489	10	126	60	218	175	28	8	146	112	9.5	88	149	16.4
MXHL 207	G 1 1/4	G 1	191	28.5	513	10	126	60	218	175	28	8	146	112	9.5	88	149	20
MXHL 208	G 1 1/4	G 1	215	28.5	537	10	126	60	218	175	28	8	146	112	9.5	88	149	21.7
MXHL 209	G 1 1/4	G 1	239	28.5	561	10	126	60	218	175	28	8	146	112	9.5	88	149	19.5
MXHL 402/A	G 1 1/4	G 1	95	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	-
MXHL 403/B	G 1 1/4	G 1	95	30.5	357	10	126	60	201	175	28	8	146	112	9.5	88	113	8.3
MXHL 404/C	G 1 1/4	G 1	119	30.5	381	10	126	60	201	175	28	8	146	112	9.5	88	113	11.9
MXHL 405/D	G 1 1/4	G 1	143	28.5	465	10	126	60	218	175	28	8	146	112	9.5	88	149	15.8
MXHL 406/B	G 1 1/4	G 1	167	28.5	489	10	126	60	218	175	28	8	146	112	9.5	88	149	19
MXHL 407	G 1 1/4	G 1	191	28.5	513	10	126	60	218	175	28	8	146	112	9.5	88	149	20
MXHL 408	G 1 1/4	G 1	215	28.5	577	10	126	60	218	175	28	8	146	112	9.5	88	189	21.7
MXHL 409	G 1 1/4	G 1	239	28.5	601	10	126	60	218	175	28	8	146	112	9.5	88	189	22.7
MXHL 802/C	G 1 1/2	G 1	117	30.5	379	10	126	60	201	175	28	8	146	112	9.5	88	113	11.3
MXHL 803/B	G 1 1/2	G 1	117	28.5	440	10	126	60	218	175	28	8	146	112	9.5	88	149	15.1
MXHL 804/B	G 1 1/2	G 1	147	28.5	470	10	126	60	218	175	28	8	146	112	9.5	88	149	17.1
MXHL 805/C	G 1 1/2	G 1	177	28.5	540	10	126	60	218	175	28	8	146	112	9.5	88	189	20.6
MXHL 806	G 1 1/2	G 1	207	28.5	570	10	126	60	218	175	28	8	146	112	9.5	88	189	21.5
MXHL 807	G 1 1/2	G 1	237	41	670	11	141	60	243	175	45.5	11.5	150	112	9.5	100	222	33.2
MXHL 808	G 1 1/2	G 1	267	41	700	11	141	60	243	175	45.5	11.5	150	112	9.5	100	222	33.9

TYPE	DN1	DN2	mm															kg	
			a	AL	b	fM	g1	h1	h2	HD	l5	m1	m3	n1	n2	s	w	w1	Weight
MXHLM 202/A	G 1 1/4	G 1	95	-	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	6.5
MXHLM 203/A	G 1 1/4	G 1	95	-	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	7.8
MXHLM 204/B	G 1 1/4	G 1	119	-	30.5	381	10	126	60	201	175	28	8	146	112	9.5	88	113	11
MXHLM 205/B	G 1 1/4	G 1	143	-	30.5	405	10	126	60	201	175	28	8	146	112	9.5	88	113	12.4
MXHLM 206/A	G 1 1/4	G 1	167	-	28.5	489	10	126	60	218	175	28	8	146	112	9.5	88	149	17.8
MXHLM 207	G 1 1/4	G 1	191	-	28.5	513	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXHLM 208	G 1 1/4	G 1	215	-	28.5	537	10	126	60	218	175	28	8	146	112	9.5	88	149	21.7
MXHLM 209	G 1 1/4	G 1	239	-	28.5	561	10	126	60	218	175	28	8	146	112	9.5	88	149	19.5
MXHLM 402/A	G 1 1/4	G 1	95	-	30.5	331	10	126	60	187	175	28	8	146	112	9.5	88	102	-
MXHLM 403/B	G 1 1/4	G 1	95	-	30.5	357	10	126	60	201	175	28	8	146	112	9.5	88	113	-
MXHLM 404/B	G 1 1/4	G 1	119	-	30.5	381	10	126	60	201	175	28	8	146	112	9.5	88	113	11.9
MXHLM 405/A	G 1 1/4	G 1	143	-	28.5	465	10	126	60	218	175	28	8	146	112	9.5	88	149	17.2
MXHLM 406/A	G 1 1/4	G 1	167	-	28.5	489	10	126	60	218	175	28	8	146	112	9.5	88	149	19
MXHLM 407	G 1 1/4	G 1	191	-	28.5	513	10	126	60	218	175	28	8	146	112	9.5	88	149	19.5
MXHLM 408	G 1 1/4	G 1	215	131	28.5	577	10	126	60	223	175	28	8	146	112	9.5	88	189	21.6
MXHLM 802/B	G 1 1/2	G 1	117	-	30.5	379	10	126	60	201	175	28	8	146	112	9.5	88	113	-
MXHLM 803/A	G 1 1/2	G 1	117	-	28.5	440	10	126	60	218	175	28	8	146	112	9.5	88	149	-
MXHLM 804/A	G 1 1/2	G 1	147	-	28.5	470	10	126	60	218	175	28	8	146	112	9.5	88	149	18
MXHLM 805/B	G 1 1/2	G 1	177	131	28.5	540	10	126	60	223	175	28	8	146	112	9.5	88	189	20.4

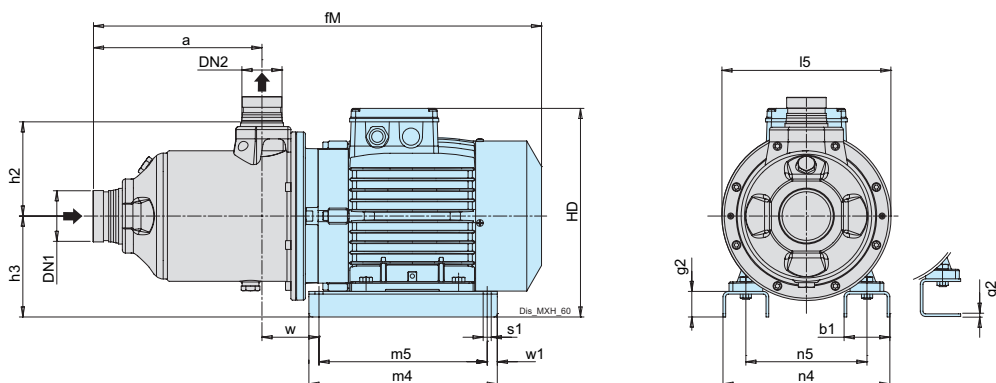
(1) Filling (2) Draining

**Dimensions and weight**

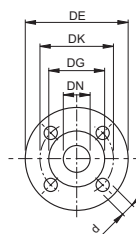
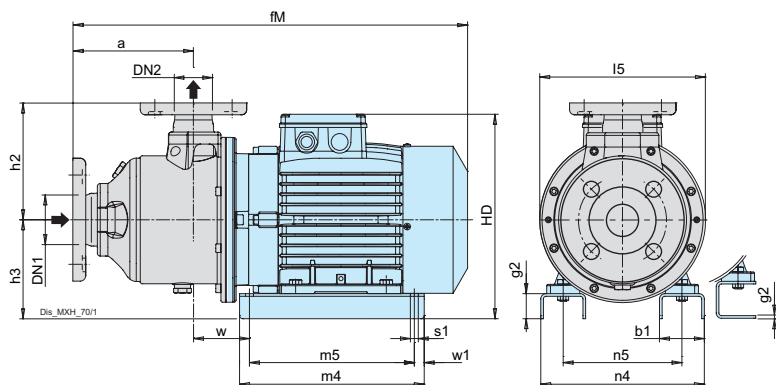


TYPE			mm															kg
	DN1	DN2	a	b1	fM	g2	g3	h1	HD	l5	m4	m5	n4	n5	s1	w	w1	Weight
MXH 2001/A	G 2"	G 1 1/2"	127	54	467	6	-	150	280	250	205	175	165	125	10	95	15	24
MXH 2002/A	G 2"	G 1 1/2"	127	54	507	6	-	150	280	250	205	175	165	125	10	95	15	29.7
MXH 2003	G 2"	G 1 1/2"	146	54	540	6	-	150	290	250	205	175	180	140	10	114	15	37.4
MXH 2004/A	G 2"	G 1 1/2"	181	54	575	6	-	150	290	250	205	175	180	140	10	114	15	-
MXH 2005	G 2"	G 1 1/2"	215	68	662	-	38	150	317	250	280	250	258	190	12	83.5	15	54.3
MXH 3201/B	G 2 1/2"	G 2"	123	54	503	6	-	150	280	250	205	175	165	125	10	95	15	28.6
MXH 3202/B	G 2 1/2"	G 2"	123	54	517	6	-	150	290	250	205	175	180	140	10	114	15	37.8
MXH 3203/A	G 2 1/2"	G 2"	169	68	616	-	38	150	317	250	280	250	258	190	12	83.5	15	52.1
MXH 3204/A	G 2 1/2"	G 2"	215	68	662	-	38	150	317	250	280	250	258	190	12	83.5	15	63
MXH 4801/A	G 3"	G 2 1/2"	139	54	548	6	-	150	290	250	205	175	180	140	10	129	15	-
MXH 4802/A	G 3"	G 2 1/2"	139	68	601	-	38	150	317	250	280	250	258	190	12	98.5	15	-
MXH 4803/A	G 3"	G 2 1/2"	200	68	662	-	38	150	317	250	280	250	258	190	12	98.5	15	-

Dimensions and weight



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\*

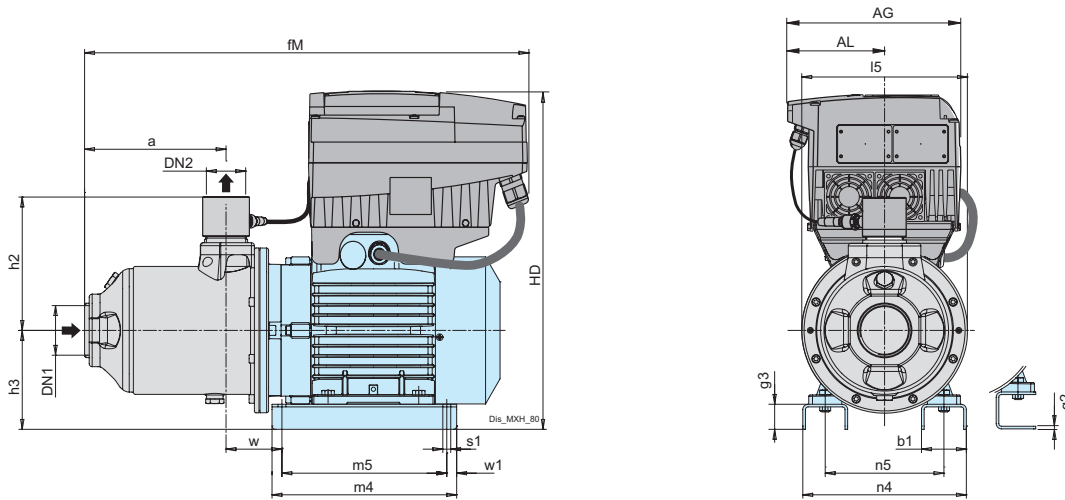
mm					
DN	DG	DK	DE	Holes	
				N°	ø
40	81	110	150	4	19
50	99	125	165	4	19
65	118	145	185	4	19
80	132	160	200	8	19

\* ASME 150 lb (ex ANSI 150 lb)

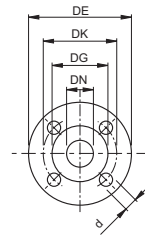
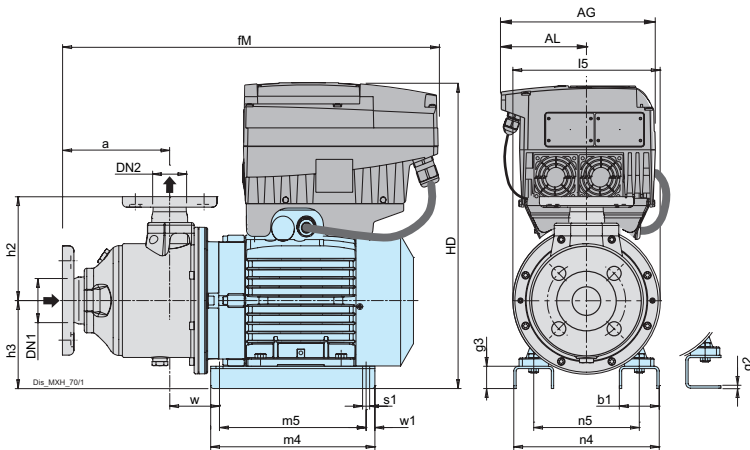
TYPE			mm																	kg
	DN1	DN2	a	b1	fM	g2	g3	h1	HD	l5	m4	m5	n4	n5	s1	w	w1	Weight		
MXH-F 2001/A	50	40	161	54	501	6	-	150	280	250	205	175	165	125	10	95	15	-		
MXH-F 2002/A	50	40	161	54	541	6	-	150	280	250	205	175	165	125	10	95	15	-		
MXH-F 2003	50	40	181	54	575	6	-	150	290	250	205	175	180	140	10	114	15	-		
MXH-F 2004/A	50	40	215	54	609	6	-	150	290	250	205	175	180	140	10	114	15	46.7		
MXH-F 2005	50	40	250	68	697	-	38	150	317	250	280	250	258	190	12	83.5	15	-		
MXH-F 3201/B	65	50	151	54	531	6	-	150	280	250	205	175	165	125	10	95	15	30.7		
MXH-F 3202/B	65	50	151	54	545	6	-	150	290	250	205	175	180	140	10	114	15	-		
MXH-F 3203/A	65	50	197	68	644	-	38	150	317	250	280	250	258	190	12	83.5	15	54.1		
MXH-F 3204/A	65	50	243	68	690	-	38	150	317	250	280	250	258	190	12	83.5	15	61		
MXH-F 4801/A	80	65	156	54	565	6	-	150	290	250	205	175	180	140	10	129	15	38		
MXH-F 4802/A	80	65	156	68	618	-	38	150	317	250	280	250	258	190	12	98.5	15	54.1		
MXH-F 4803/A	80	65	218	68	680	-	38	150	317	250	280	250	258	190	12	98.5	15	-		



Dimensions and weights



TYPE	mm																		kg Weight
	DN1	DN2	a	AG	AL	b1	fM	g2	H	h2	h3	m4	m5	n4	n5	s1	w	w1	
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\*

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 Weight
	DN1	DN2	a	AG	AL	b1	fM	g2	H	h2	h3	m4	m5	n4	n5	s1	w	w1	
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	-