



Materials

Component	Material
Pump casing	Chrome-nickel steel AISI 304
Stage casing	Chrome-nickel steel AISI 304
Wear ring	PTFE
Impeller	Chrome-nickel steel AISI 304
Casing cover	Chrome-nickel steel AISI 304
Spacer sleeve	Chrome-nickel steel AISI 304
Pump shaft	Chrome-nickel steel AISI 303
Plug	Chrome-nickel steel AISI 303
Mechanical seal with seat according to ISO 3069	Ceramic alumina, carbon, EPDM (Other materials on request)

Construction

Horizontal multi-stage close coupled pumps in **chrome-nickel stainless steel**.

Compact and robust construction, without protruding flange and with single-piece lantern bracket and base.

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

Filling and draining plugs on the middle of the pump, accessible from any side (like the terminal box).

Applications

For water supply.

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: 8 bar.

Motor

2-pole induction motor, 60 Hz (n = 3450 rpm).

MXH: three-phase 220 / 380 V.

MXHM: single-phase 220 V.

With thermal protector up to 1.1 kW.

Capacitor inside the terminal box.

Insulation class F. Protection IP 54.

Motor suitable for operation with frequency converter from 1,8 kW.

Classification scheme IE2 for three-phase motor from 0,75 kW.

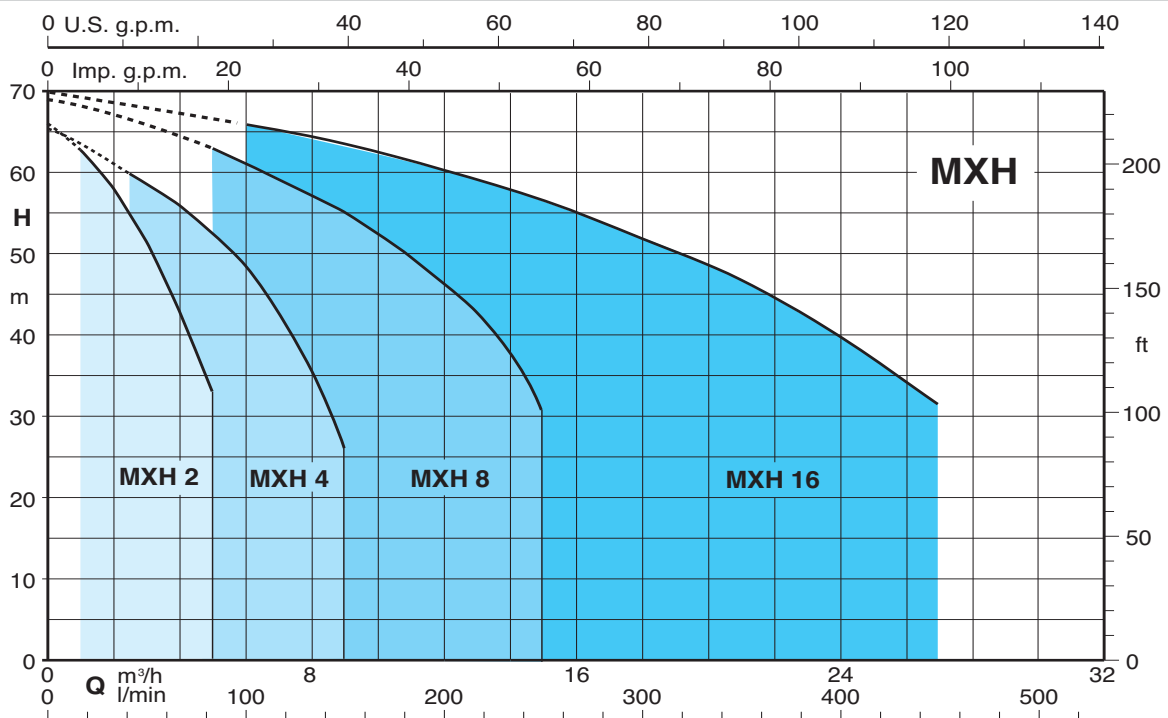
Constructed in accordance with EN 60034-1, EN 60034-30.

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

Special features on request

- Other voltages. - Protection IP 55.
- Special mechanical seal
- Seal rings in FPM.
- Higher or lower liquid or ambient temperatures.
- Motor suitable for operation with frequency converter up to 1,5 kW.

Coverage chart n = 3450 rpm



Performance $n \approx 3450$ rpm

3 ~ 220 V 380 V				1 ~ 220 V			P ₂		Q	m³/h l/min	0	1	1,5	2	2,5	3	3,5	4	4,5	5
	A	A	IA/IN		A	IA/IN	kW	HP			0	16,6	25	33,3	41,6	50	58,3	66,6	75	83,3
MXH 201-60E	1,7	1	4,7	MXHM 201-60E	2,3	1,8	0,25	0,34	H m	16	15,2	14,5	13,7	13	12	10,7	9,6	8,5	7	
MXH 202-60/A	3,3	1,9	4,3	MXHM 202-60/A	5	3,3	0,55	0,75		33	31	30	28,5	27	25,5	23,5	21	19	16	
MXH 203-60/A	4,5	2,6	6,8	MXHM 203-60/A	6,2	3,2	0,75	1		49,5	47	45,5	43,5	41	38,5	35,5	32	28,5	24	
MXH 204-60/B	5,7	3,3	5,5	MXHM 204-60	8,5	3	1,1	1,5		66	63	60,5	58	55	51,5	47,5	43	38,5	33	

3 ~ 220 V 380 V				1 ~ 220 V			P ₂		Q	m³/h l/min	0	2,5	3	3,5	4	5	6	7	8	9
	A	A	IA/IN		A	IA/IN	kW	HP			0	41,6	50	58,3	66,6	83,3	100	116	133	150
MXH 401-60E	2	1,2	4	MXHM 401-60E	2,8	2,7	0,33	0,45	H m	16	14,5	14	13,5	13	11,7	10,2	8,5	6,5	4	
MXH 402-60/A	4,5	2,6	6,8	MXHM 402-60/A	6,2	3,2	0,75	1		32,5	29,5	29	28,5	27,5	26	23,5	20,5	17	12,5	
MXH 403-60/B	5,7	3,3	5,5	MXHM 403-60	8,5	3	1,1	1,5		49	45,5	44,5	43,5	42	39,5	36	31,5	26,5	20	
MXH 404-60	7,4	4,3	6,6	MXHM 404-60	10,6	3,8	1,5	2		65,5	60	59	57,5	56	52,5	48,5	42,5	35,5	26	

3 ~ 220 V 380 V				1 ~ 220 V			P ₂		Q	m³/h	0	5	6,5	8	10	11	12	13	14	15
	A	A	IA/IN		A	IA/IN	kW	HP		l/min	0	83,3	108	133	166	183	200	216	233	250
MXH 801-60/A	3,3	1,9	4,3	MXHM 801-60/A	5	3,3	0,55	0,75	H m	16,5	15,6	14,4	14	12,3	11,3	10	8,8	7,3	5,6	
MXH 802-60	7,4	4,3	6,6	MXHM 802-60	10,6	3,8	1,5	2		33,5	31,3	30,4	29	26,5	25	23	20,5	18	15	
MXH 803-60/A	9	5,2	6	MXHM 803-60	13,5	4,5	1,8	2,5		51	47	45	42,5	38,5	36,5	33,5	30,5	26,5	22,5	
MXH 804-60/A	11,1	6,4	7,3				2,2	3		69	63	60	57,5	53	50,5	47	43	38	31	

3 ~ 220 V 380 V						P ₂		Q	m³/h	0	6	9	12	15	18	21	24	27	
	A	A	IA/IN		kW	HP	l/min		0	100	150	200	250	300	350	400	450		
MXH 1602-60/A	11,1	6,4	7,3		2,2	3	H m	35	33	31,8	30,2	28,3	26	23,5	20	15,8			
MXH 1603-60/A		7,7	8,4		3	4		52,5	49,5	47,7	45,3	42,5	39	35,2	30	23,7			
MXH 1604-60/A		11,2	7,8		4	5,5		70	66	63,5	60,4	56,5	52	47	40	31,5			

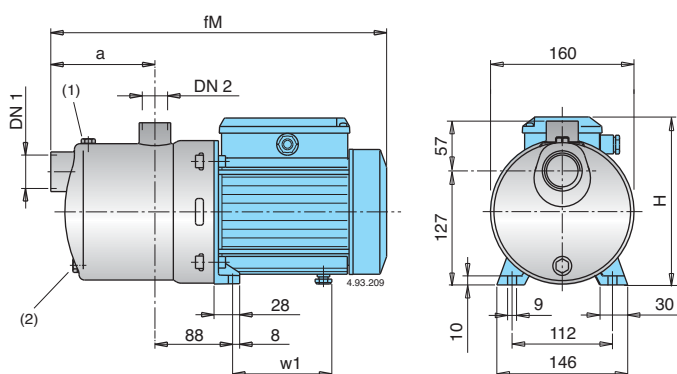
P₂ Rated motor power output.

IA/IN = D.O.L. starting current / Rated current

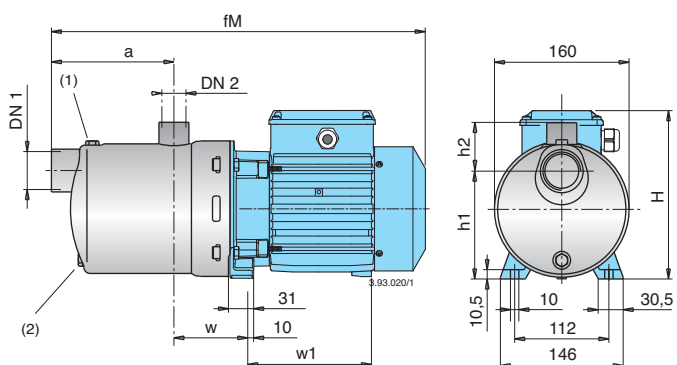
Test results with clean cold water, without gas content.

Tolerances according to UNI EN ISO 9906:2012.

Dimensions and weights



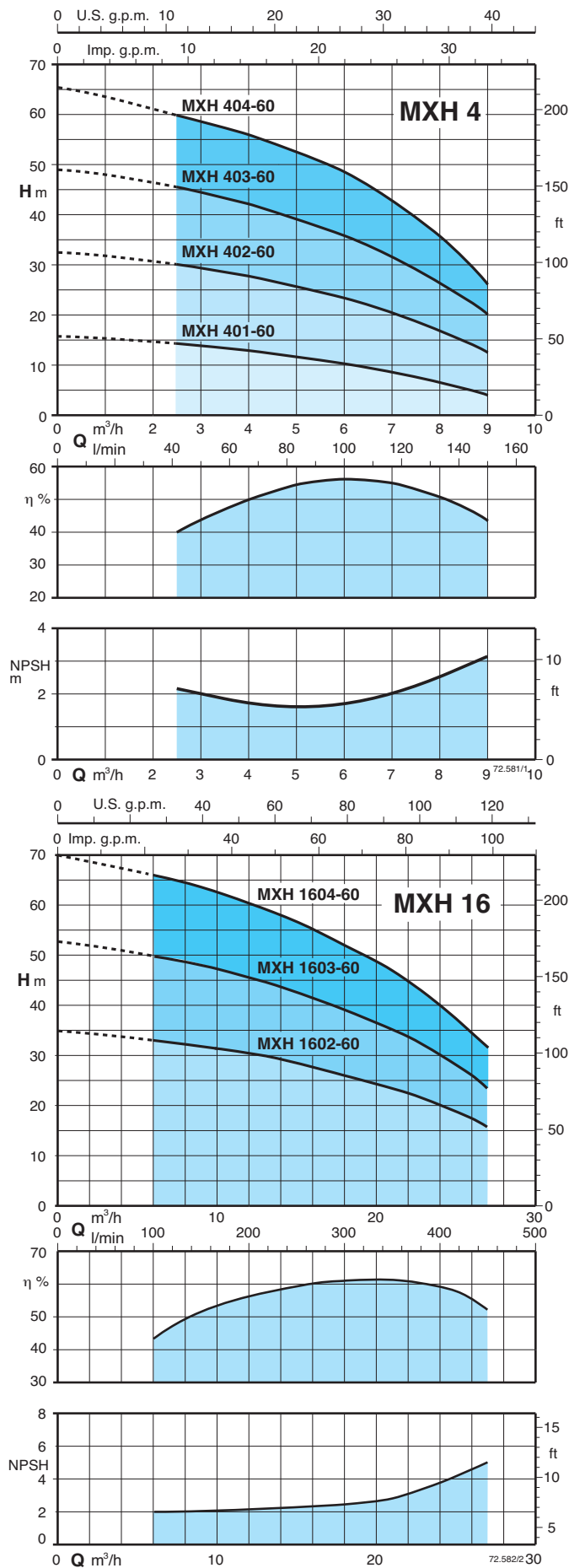
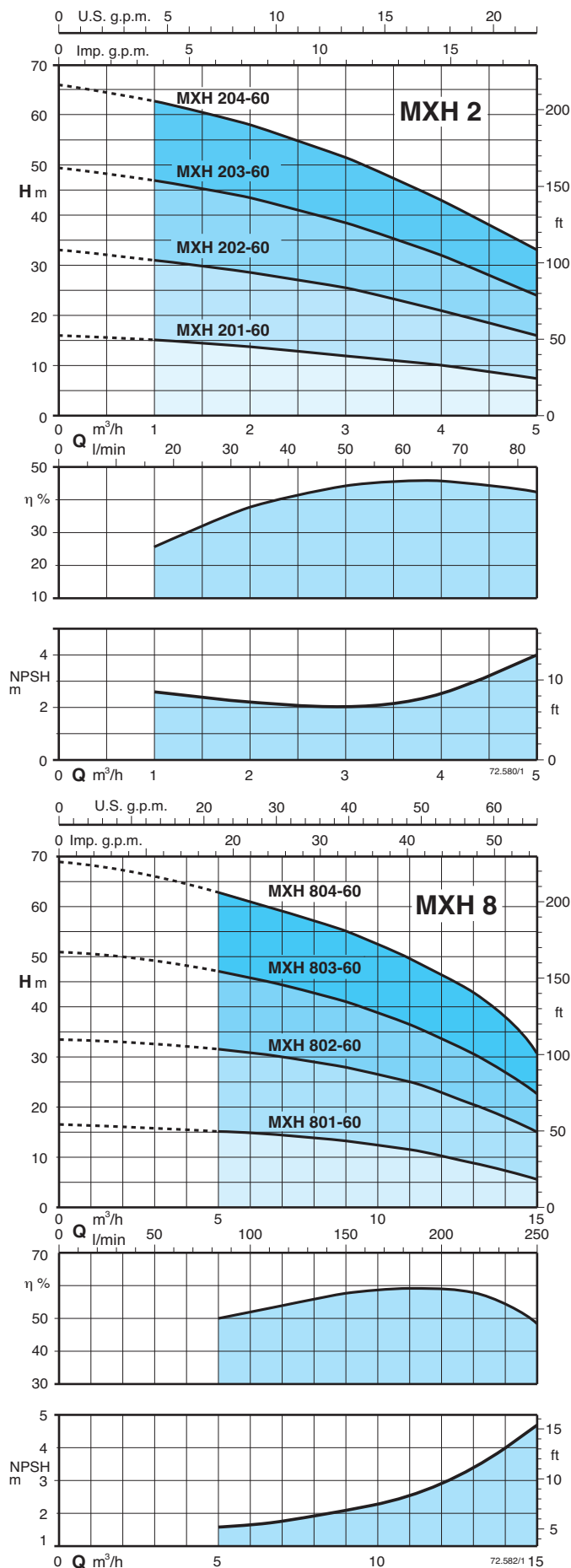
TYPE	DN1	DN2	mm				kg	
			fM	a	H	w1	MXH	MXHM
MXH 201-60E - MXHM 201-60E	G 1 1/4	G 1	331	94	176	98,5	6,6	6,7
MXH 202-60/A - MXHM 202-60/A	G 1 1/4	G 1	357	94	192	112	9,1	10,1
MXH 203-60/A - MXHM 203-60/A	G 1 1/4	G 1	357	94	192	112	10,5	11,5
MXH 401-60E - MXHM 401-60E	G 1 1/4	G 1	331	94	176	98,5	6,6	6,7
MXH 402-60/A - MXHM 402-60/A	G 1 1/4	G 1	357	94	192	112	10	11
MXH 801-60/A - MXHM 801-60/A	G 1 1/2	G 1	381	118	192	112	9,7	10,5



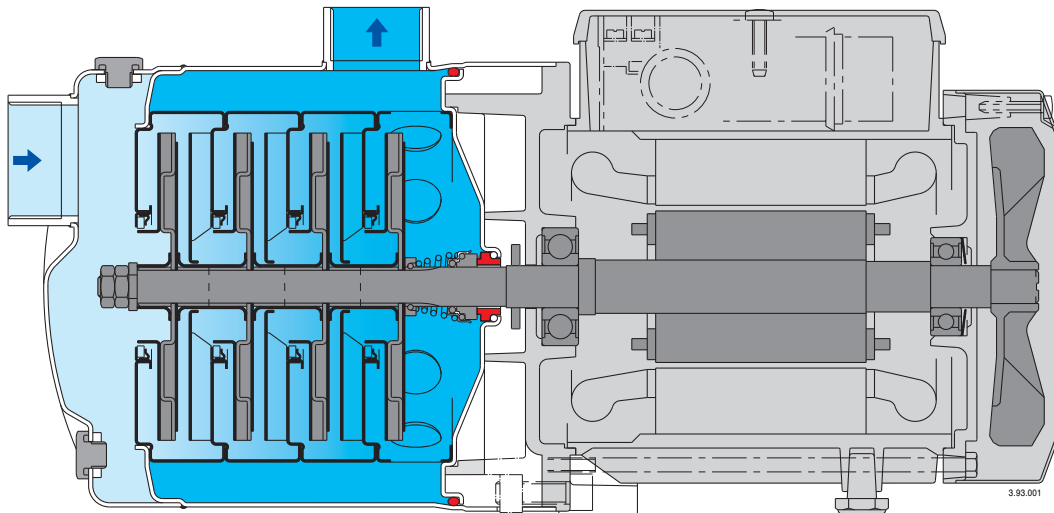
TYPE	DN1	DN2	mm								kg	
			fM	a	w	h1	h2	H	w1		MXH	MXHM
MXH 204-60/B - MXHM 204-60	G 1 1/4	G 1	453	118	88	127	57	210	167	-	17,7	
MXH 403-60/B - MXHM 403-60	G 1 1/4	G 1	453	118	88	127	57	210	167	-	17,2	
MXH 404-60 - MXHM 404-60	G 1 1/4	G 1	453	118	88	127	57	210	167	18,5	19,2	
MXH 802-60 - MXHM 802-60	G 1 1/2	G 1	453	118	88	127	57	210	167	18	18,9	
MXH 803-60/A - MXHM 803-60	G 1 1/2	G 1	493	118	88	127	57	210	167	18,3	19,3	
MXH 804-60/A	G 1 1/2	G 1	522	148	88	127	57	210	167	19,8	-	
MXH 1602-60/A	G 2	G 1 1/2	504	128	101	117	70	210	167	18,3	-	
MXH 1603-60/A	G 2	G 1 1/2	575	128	113	132	70	235	232	30		
MXH 1604-60/A	G 2	G 1 1/2	612	166	113	132	70	235	232	31		

(1) Filling (2) Draining

Characteristic curves n = 3450 rpm



Features



Extra safety

against running dry, with the suction port above pump axis.

Reliable

All hydraulic parts in contact with the pumped liquid are of stainless steel.
For liquids from -15 °C to 110 °C.

Robust

Single-piece, thick barrel casing.

Compact

Single-piece lantern bracket and base.
Without protruding flange.

Greater protection

against leakage, with the pump casing cover separated from the motor shield.
Possibility of inspecting the seal through the side apertures between the two walls.
Greater protection against water entering the motor from outside provided by an extension of the pump casing around the lantern bracket.



Materials

Component	Material
Pump casing	Chrome-nickel-molybdenum steel AISI 316L
Stage casing	Chrome-nickel-molybdenum steel AISI 316L
Wear ring	PTFE
Impeller	Chrome-nickel-molybdenum steel AISI 316L
Casing cover	Chrome-nickel-molybdenum steel AISI 316L
Spacer sleeve	Chrome-nickel-molybdenum steel AISI 316L
Pump shaft	Chrome-nickel-molybdenum steel AISI 316L
Plug	Chrome-nickel-molybdenum steel AISI 316L
Mechanical seal with seat according to ISO 3069	Ceramic alumina, carbon, EPDM (Other materials on request)

Construction

Horizontal multi-stage close coupled pumps in **chrome-nickel-molybdenum stainless steel AISI 316L**.

Compact and robust construction, without protruding flange and with single-piece lantern bracket and base.

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

Filling and draining plugs on the middle of the pump, accessible from any side (like the terminal box).

Applications

For water supply.

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: 8 bar.

Motor

2-pole induction motor, 60 Hz (n = 3450 rpm).

MXHL: three-phase 220 / 380 V.

MXHLM: single-phase 220 V.

With thermal protector up to 1.1 kW.

Capacitor inside the terminal box.

Insulation class F. Protection IP 54.

Motor suitable for operation with frequency converter from 1,8 kW.

Classification scheme IE2 for three-phase motor from 0,75 kW.

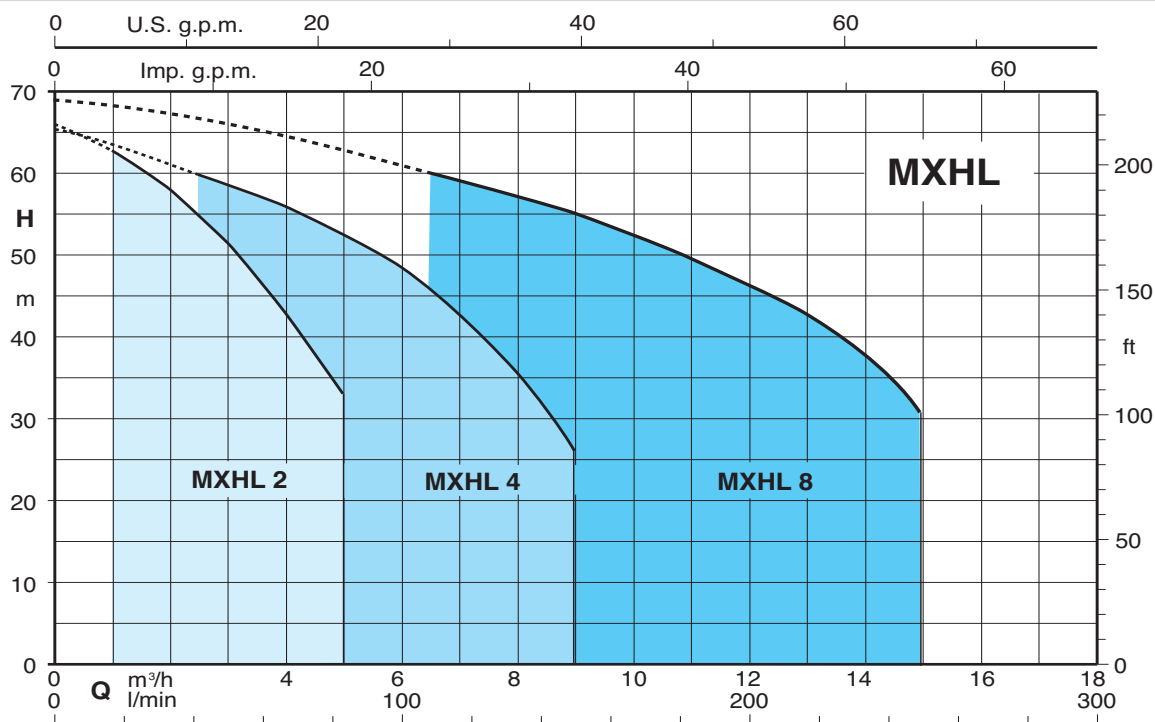
Constructed in accordance with EN 60034-1, EN 60034-30.

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

Special features on request

- Other voltages. - Protection IP 55.
- Special mechanical seal
- Seal rings in FPM.
- Higher or lower liquid or ambient temperatures.
- Motor suitable for operation with frequency converter up to 1,5 kW.

Coverage chart n = 3450 rpm



Performance $n \approx 3450$ rpm

3 ~ 220 V 380 V				1 ~ 220 V			P ₂		Q m³/h l/min	0	1	1,5	2	2,5	3	3,5	4	4,5	5
	A	A	IA/IN		A	IA/IN	kW	HP		0	16,6	25	33,3	41,6	50	58,3	66,6	75	83,3
MXHL 201-60E	1,7	1	4,7	MXHLM 201-60E	2,3	1,8	0,25	0,34	H _m	16	15,2	14,5	13,7	13	12	10,7	9,6	8,5	7
MXHL 202-60/A	3,3	1,9	4,3	MXHLM 202-60/A	5	3,3	0,55	0,75		33	31	30	28,5	27	25,5	23,5	21	19	16
MXHL 203-60/A	4,5	2,6	6,8	MXHLM 203-60/A	6,2	3,2	0,75	1		49,5	47	45,5	43,5	41	38,5	35,5	32	28,5	24
MXHL 204-60/B	5,7	3,3	5,5	MXHLM 204-60	8,5	3	1,1	1,5		66	63	60,5	58	55	51,5	47,5	43	38,5	33

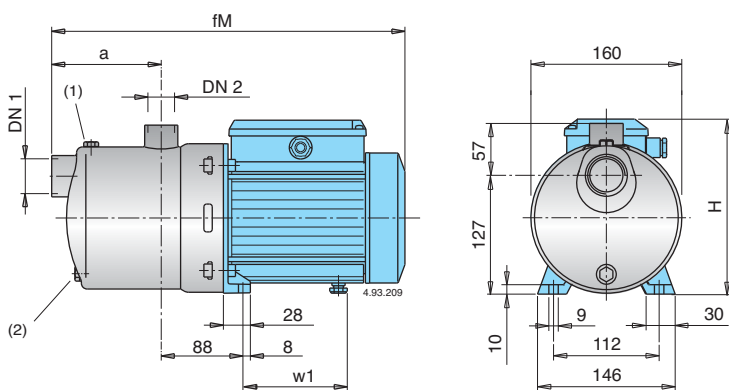
3 ~ 220 V 380 V				1 ~ 220 V			P ₂		Q m ³ /h l/min	0	2,5	3	3,5	4	5	6	7	8	9
	A	A	IA/IN		A	IA/IN	kW	HP		0	41,6	50	58,3	66,6	83,3	100	116	133	150
MXHL 401-60E	2	1,2	4	MXHLM 401-60E	2,8	2,7	0,33	0,45	H _m	16	14,5	14	13,5	13	11,7	10,2	8,5	6,5	4
MXHL 402-60/A	4,5	2,6	6,8	MXHLM 402-60/A	6,2	3,2	0,75	1		32,5	29,5	29	28,5	27,5	26	23,5	20,5	17	12,5
MXHL 403-60/B	5,7	3,3	5,5	MXHLM 403-60	8,5	3	1,1	1,5		49	45,5	44,5	43,5	42	39,5	36	31,5	26,5	20
MXHL 404-60	7,4	4,3	6,6	MXHLM 404-60	10,6	3,8	1,5	2		65,5	60	59	57,5	56	52,5	48,5	42,5	35,5	26

3 ~ 220 V 380 V				1 ~ 220 V			P ₂		Q m ³ /h l/min	0	5	6,5	8	10	11	12	13	14	15
	A	A	IA/IN		A	IA/IN	kW	HP		0	83,3	108	133	166	183	200	216	233	250
MXHL 801-60/A	3,3	1,9	4,3	MXHLM 801-60/A	5	3,3	0,55	0,75	H _m	16,5	15,6	14,4	14	12,3	11,3	10	8,8	7,3	5,6
MXHL 802-60	7,4	4,3	6,6	MXHLM 802-60	10,6	3,8	1,5	2		33,5	31,3	30,4	29	26,5	25	23	20,5	18	15
MXHL 803-60/A	9	5,2	6	MXHLM 803-60	13,5	4,5	1,8	2,5		51	47	45	42,5	38,5	36,5	33,5	30,5	26,5	22,5
MXHL 804-60/A	11,1	6,4	7,3				2,2	3		69	63	60	57,5	53	50,5	47	43	38	31

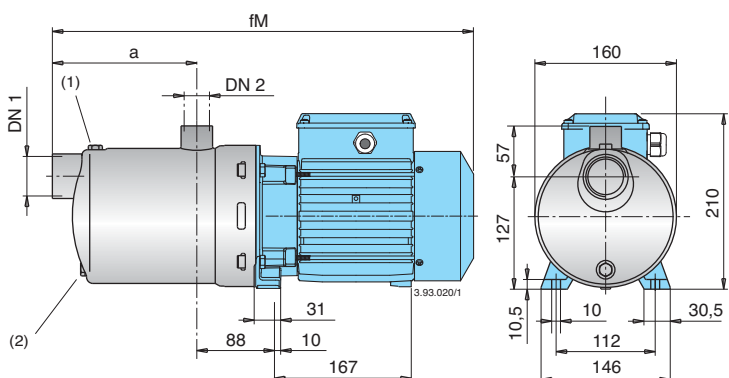
P₂ Rated motor power output.
IA/IN = D.O.L. starting current / Rated current

Test results with clean cold water, without gas content.
Tolerances according to UNI EN ISO 9906:2012.

Dimensions and weights



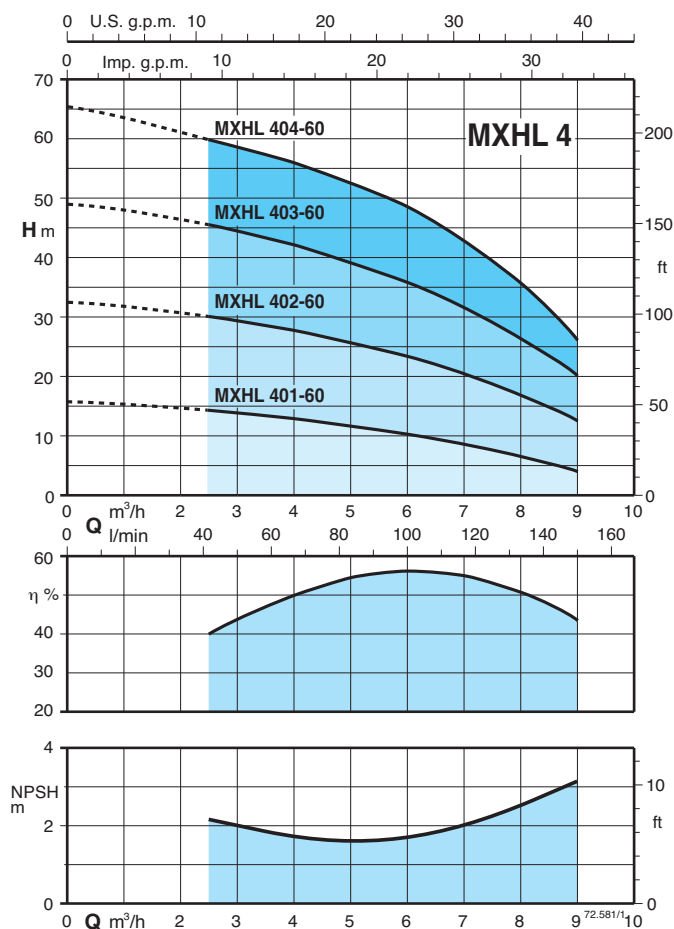
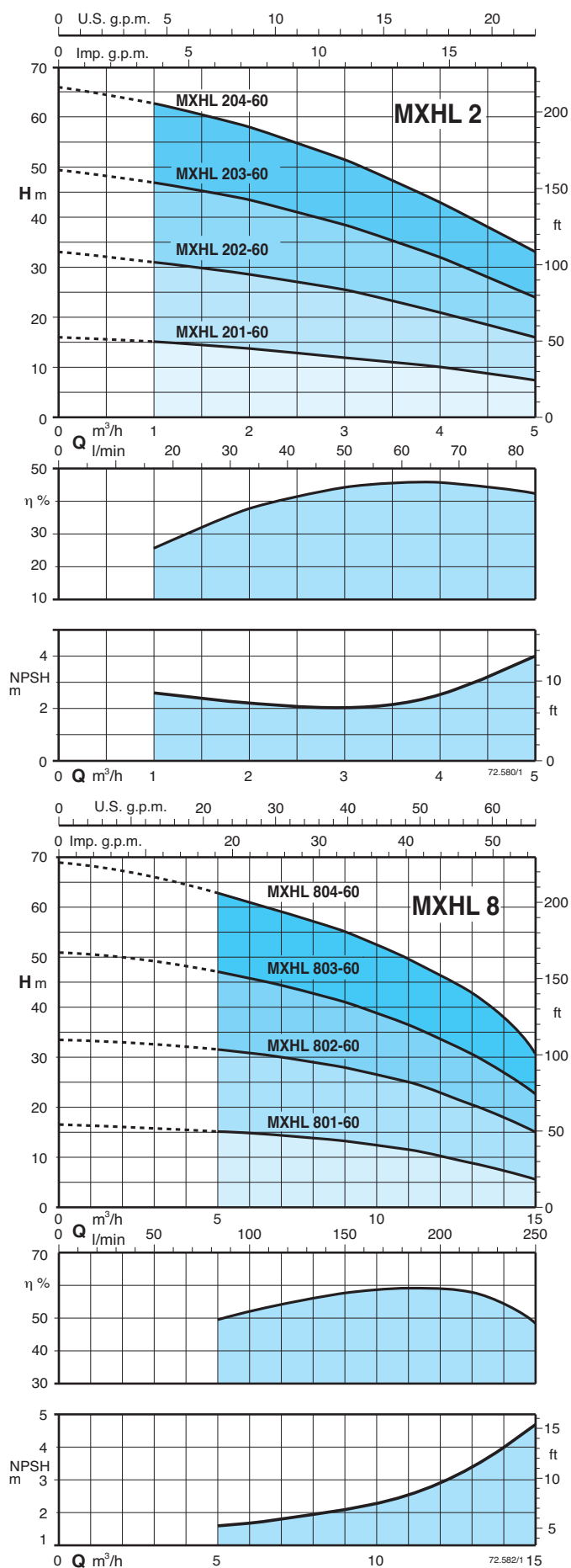
TYPE	DN1	DN2	mm				kg	
			fM	a	H	w1	MXHL	MXHLM
MXHL 201-60E - MXHLM 201-60E	G 1 1/4	G 1	331	94	176	98,5	6,6	6,7
MXHL 202-60/A - MXHLM 202-60/A	G 1 1/4	G 1	357	94	192	112	9,1	10,1
MXHL 203-60/A - MXHLM 203-60/A	G 1 1/4	G 1	357	94	192	112	10,5	11,5
MXHL 401-60E - MXHLM 401-60E	G 1 1/4	G 1	331	94	176	98,5	6,6	6,7
MXHL 402-60/A - MXHLM 402-60/A	G 1 1/4	G 1	357	94	192	112	10	11
MXHL 801-60/A - MXHLM 801-60/A	G 1 1/2	G 1	381	118	192	112	9,7	10,5



TYPE	DN1	DN2	mm		kg	
			fM	a	MXHL	MXHLM
MXHL 204-60/B - MXHLM 204-60	G 1 1/4	G 1	453	118	-	17,7
MXHL 403-60/B - MXHLM 403-60	G 1 1/4	G 1	429	94	-	17,2
MXHL 404-60 - MXHLM 404-60	G 1 1/4	G 1	453	118	18,5	19,2
MXHL 802-60 - MXHLM 802-60	G 1 1/2	G 1	453	118	18	18,9
MXHL 803-60/A - MXHLM 803-60	G 1 1/2	G 1	493	118	18,3	19,3
MXHL 804-60/A	G 1 1/2	G 1	522	148	19,8	-

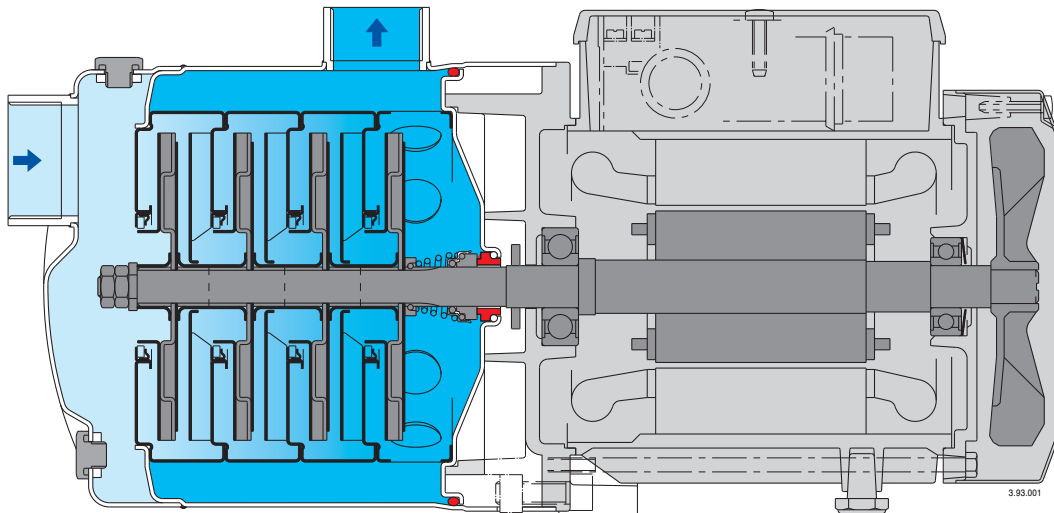
(1) Filling (2) Draining

Characteristic curves n = 3450 rpm



6.1

Features



Extra safety

against running dry, with the suction port above pump axis.

Reliable

All hydraulic parts in contact with the pumped liquid are of stainless steel.
For liquids from -15 °C to 110 °C.

Robust

Single-piece, thick barrel casing.

Compact

Single-piece lantern bracket and base.
Without protruding flange.

Greater protection

against leakage, with the pump casing cover separated from the motor shield.
Possibility of inspecting the seal through the side apertures between the two walls.
Greater protection against water entering the motor from outside provided by an extension of the pump casing around the lantern bracket.



Materials

Component	Material
Pump casing	Chrome-nickel steel AISI 304
Stage casing	Chrome-nickel steel AISI 304
Wear ring	PTFE
Impeller	Chrome-nickel steel AISI 304
Casing cover	Chrome-nickel steel AISI 304
Spacer sleeve	Chrome-nickel steel AISI 304
Pump shaft	Chrome-nickel steel AISI 316
Plug	Chrome-nickel steel AISI 303
Mechanical seal with seat according to ISO 3069-KU	Ceramic alumina, carbon, EPDM (Other materials on request)

Construction

Horizontal multi-stage close coupled pumps in **chrome-nickel stainless steel**.

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.

Filling and draining plugs on the middle of the pump, accessible from any side (like the terminal box).

Applications

For water supply.

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

Universal pump, 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.

Motor

2-pole induction motor, 60 Hz (n = 3450 rpm).

MXH: three-phase 220/380 V, 380/660 V.

Insulation class F.

Protection IP 54.

Motor suitable for operation with frequency converter.

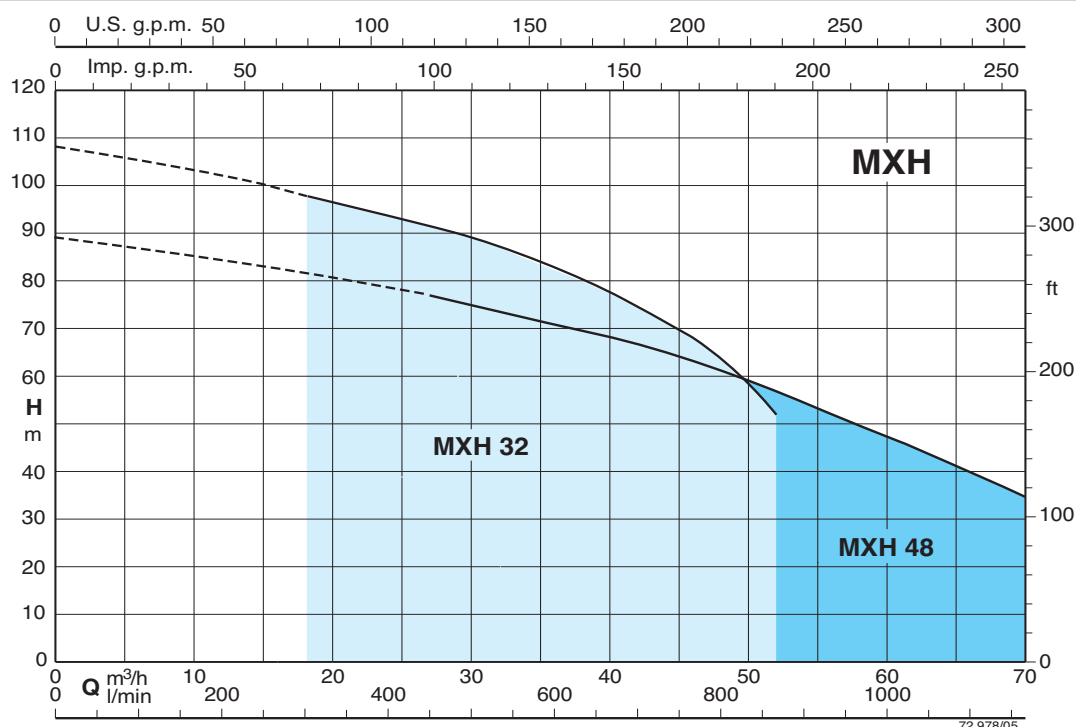
Classification scheme IE2.

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

Special features on request

- Pump with Victaulic ports (MXH-V).
- Pump with flanged ports (MXH-F).
- Other voltages.
- Protection IP 55.
- Special mechanical seal
- Seal rings in FPM.
- Higher or lower ambient temperatures.

Coverage chart n = 3450 rpm



Performance $n \approx 3450$ rpm

3 ~	380 V 660 V				P ₂		Q											
	A	A	IA/IN		kW	HP		m³/h	0	18	22	26	30	34	38	42	47	52
MXH 3201-60/A	11,2	6,5	7,8		4	5,5	H _m	l/min	0	300	366	433	500	566	633	700	783	866
MXH 3202-60/A	17	9,8	9,2		7,5	10			27	24,5	23,7	23	22	20,5	19	17,5	15	11
MXH 3203-60/A	25,8	14,9	8,5		11	15			54	49	47,5	46	44	41,5	38,5	35	29	23
MXH 3204-60/A	33,2	19,2	9,4		15	20			81	73,5	71	69	66,5	63,5	60	55	47,5	37,5
									107	98	94,5	92	89	84,5	80	73,5	64,5	52

3 ~	380 V 660 V				P ₂		Q											
	A	A	IA/IN		kW	HP		m³/h	0	27	33	39	45	48	54	60	65	70
MXH 4801-60/A	11,2	6,5	9,8		4	5,5	H _m	l/min	0	450	550	650	750	800	900	1000	1083	1166
MXH 4802-60/A	22	12,7	8,2		9,2	12,5			29,5	25,5	24,5	23	21	20	17,5	15	13	10,5
MXH 4803-60/A	33,2	19,2	9,4		15	20			59	51	49	46	42,5	40,5	36,5	32	27,5	23,5
									88,5	76,5	73,5	68,5	63,5	61	54,5	47,5	40,5	34,5

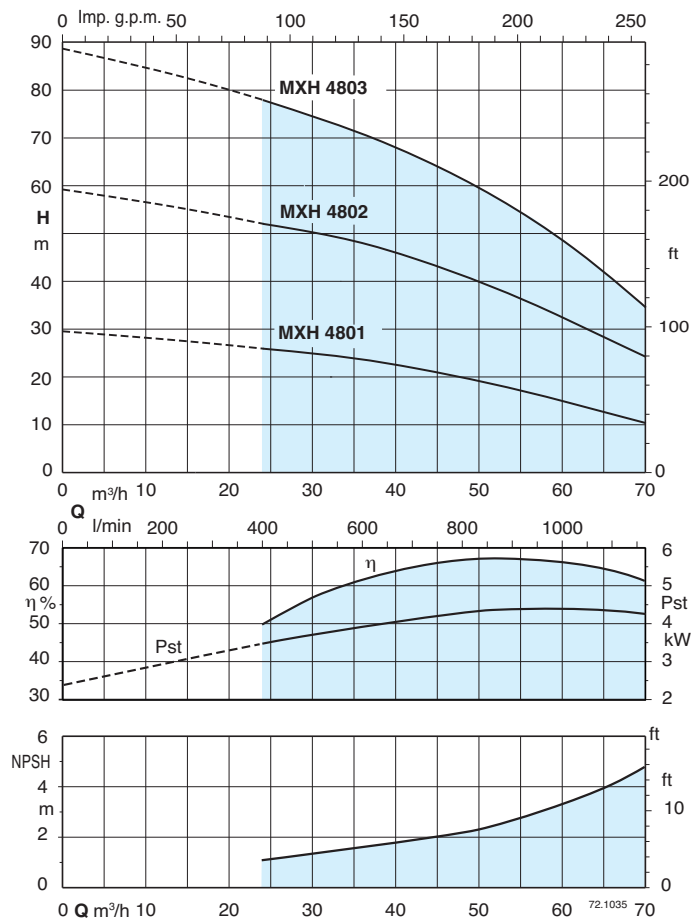
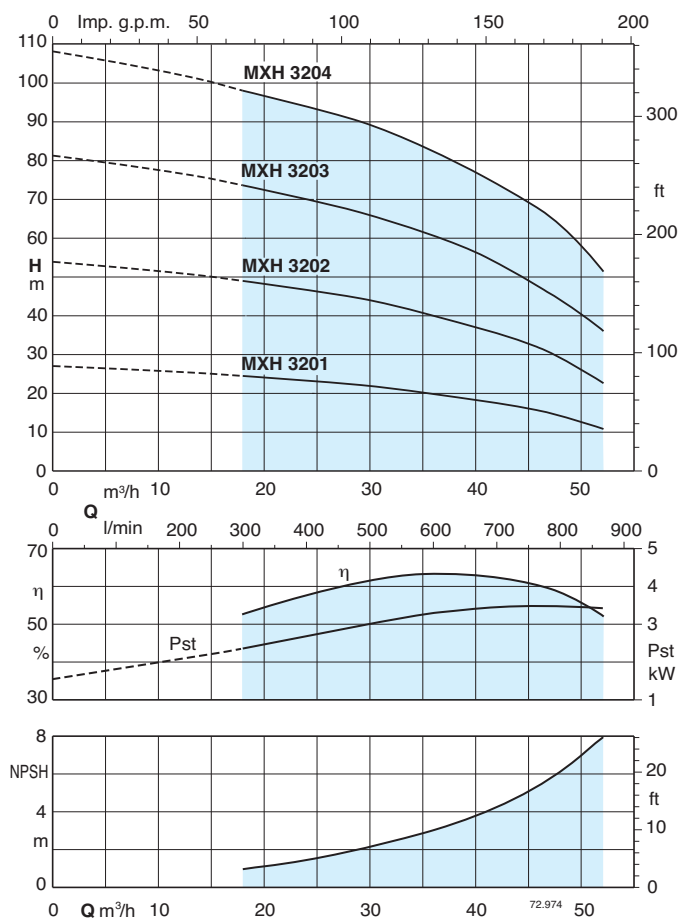
P₂ Rated motor power output.

IA/IN = D.O.L. starting current / Rated current

Test results with clean cold water, without gas content.

Tolerances according to UNI EN ISO 9906:2012.

Characteristic curves $n = 3450$ rpm



Designation

MXH-F 3204-60 *

Series _____

No code = threaded ports _____

Victaulic ports _____ V

Flanged ports _____ F

Rated capacity in m³/h _____

Number of stages _____

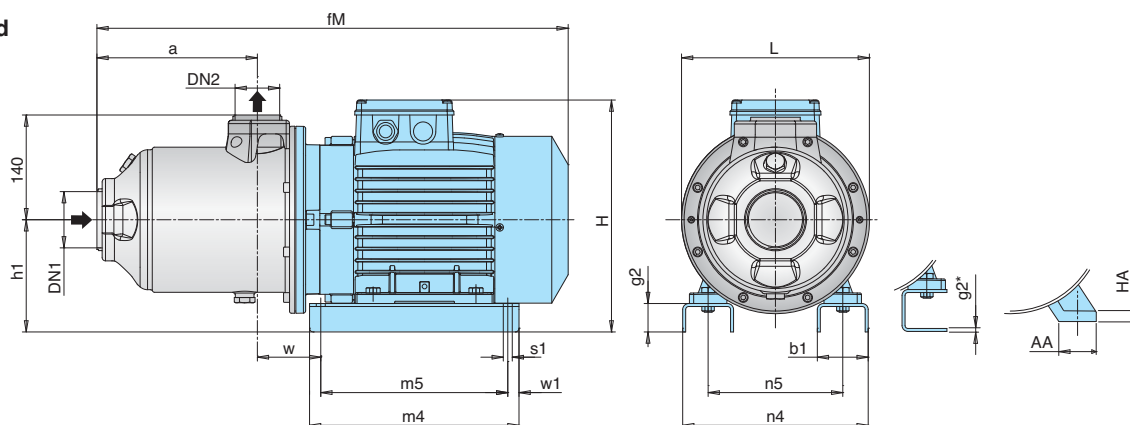
Frequency 60 Hz _____

Construction variants
special seal code (no code = standard seal) _____

6.2

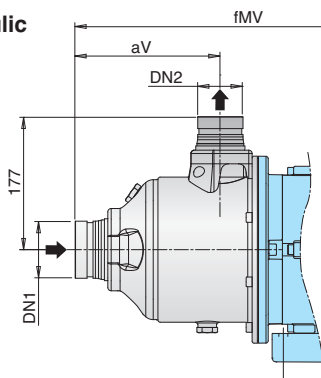
Dimensions and weights

Threaded ports



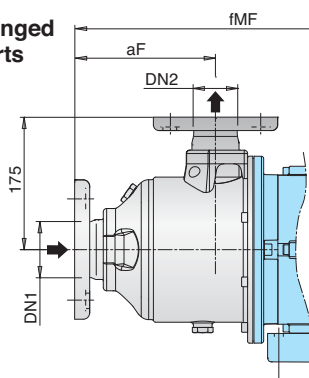
	DN1 DN2 ISO 228		mm																	kg
	fM	a	L	h1	H	m4	m5	n4	n5	w1	AA	b1	s1	w	g2	g2*	HA			
MXH 3201-60/A	G 2 1/2	G 2	482	120,5	250	150	290	205	175	180	140	15	54	54	10	112	-	6	-	39
MXH 3202-60/A	G 2 1/2	G 2	534	120,5	250	150	310	280	250	258	190	15	68	68	12	84	38	-	-	55,5
MXH 3203-60/A	G 2 1/2	G 2	658	166,5	270	132	318	218	178	260	216	20	52	52	12	171,5	-	-	18	
MXH 3204-60/A	G 2 1/2	G 2	779	212,5	270	132	318	218	178	260	216	20	52	52	12	171,5	-	-	18	
MXH 4801-60/A	G 3	G 2 1/2	545	136	250	150	290	205	175	180	140	15	54	54	10	127	-	6	-	41
MXH 4802-60/A	G 3	G 2 1/2	643	136	270	132	318	218	178	260	216	20	52	52	12	186,5	-	-	18	
MXH 4803-60/A	G 3	G 2 1/2	779	197,5	270	132	318	218	178	260	216	20	52	52	12	186,5	-	-	18	110

Victaulic ports



	DN1	DN2	mm	
	mm	mm	fMV	aV
MXH-V 3201-60/A	76,1 (DN65)	60,3 (DN50)	522	160
MXH-V 3202-60/A	76,1 (DN65)	60,3 (DN50)	574	160
MXH-V 3203-60/A	76,1 (DN65)	60,3 (DN50)	698	206
MXH-V 3204-60/A	76,1 (DN65)	60,3 (DN50)	819	252
MXH-V 4801-60/A	88,9 (DN80)	76,1 (DN65)	585	175
MXH-V 4802-60/A	88,9 (DN80)	76,1 (DN65)	683	175
MXH-V 4803-60/A	88,9 (DN80)	76,1 (DN65)	819	237

Flanged ports



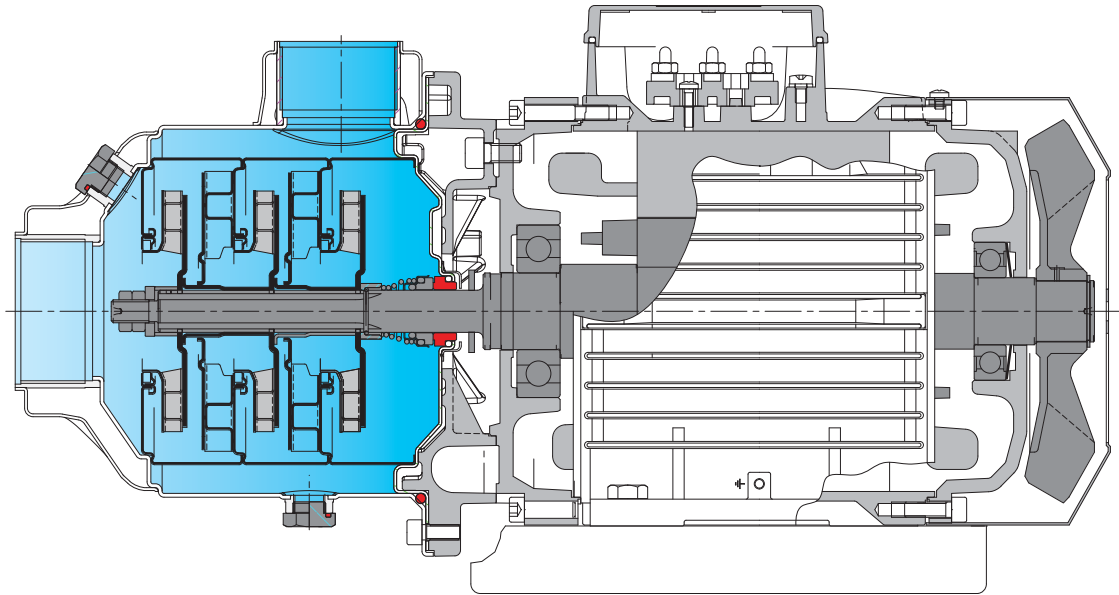
	DN1	DN2	mm	
	mm	mm	fMF	aF
MXH-F 3201-60/A	65	50	512	151
MXH-F 3202-60/A	65	50	564	151
MXH-F 3203-60/A	65	50	688	197
MXH-F 3204-60/A	65	50	809	243
MXH-F 4801-60/A	80	65	565	156
MXH-F 4802-60/A	80	65	663	156
MXH-F 4803-60/A	80	65	799	218

Flanges* EN 1092-2

DN	DE	DK	DG	N.	Ø
50	165	125	99	4	19
65	185	145	118	4	19
80	200	160	132	8	19

* ASME 150 lb (ex ANSI 150 lb)

Features



Flexibility

Three versions of ports: threaded, flanged and Victaulic.

Extra safety

With front axis suction port for optimum suction conditions.

Reliable

All hydraulic parts in contact with the pumped liquid are made in stainless steel.
For liquids from -15 °C to 110 °C.

Robust

Single-piece, thick barrel casing, open on one side only, with reinforced threaded ports.

Compact

The bracket between pump and motor is extremely compact.

Greater protection

Against leakage, with the pump casing cover separated from the motor shield.
Possibility of inspecting the seal through the side apertures between the two walls.