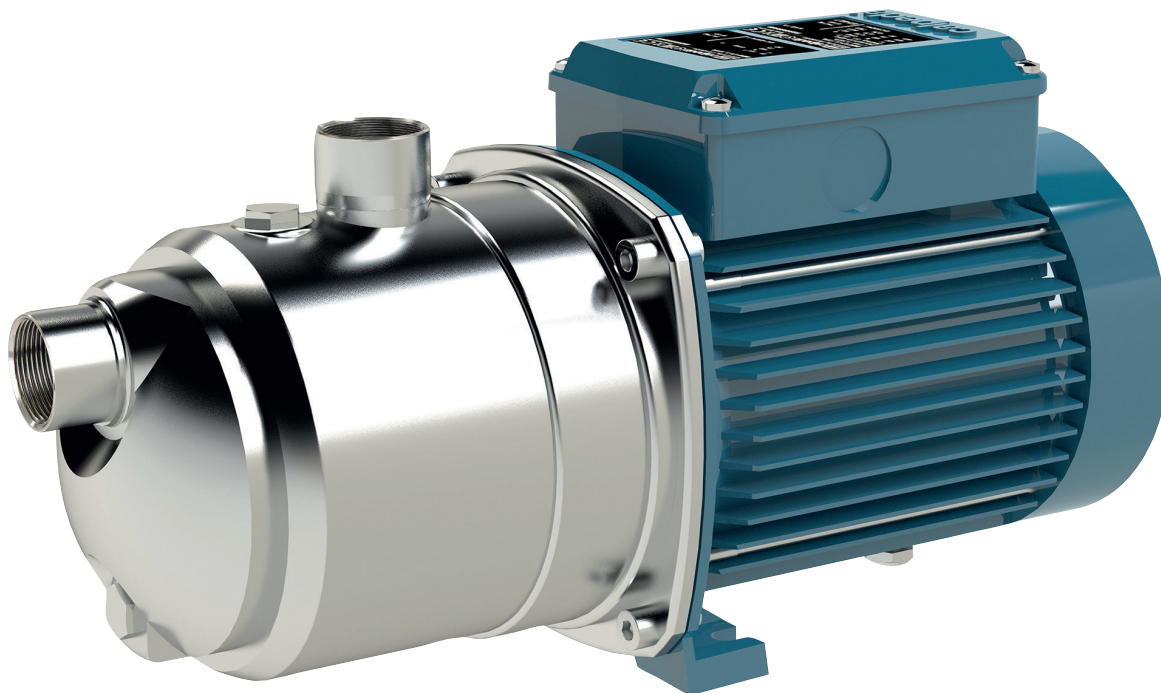
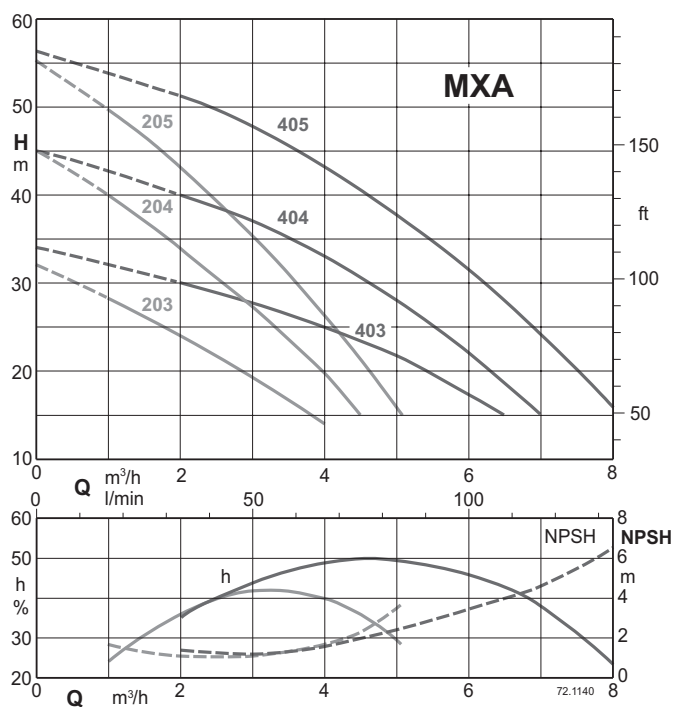
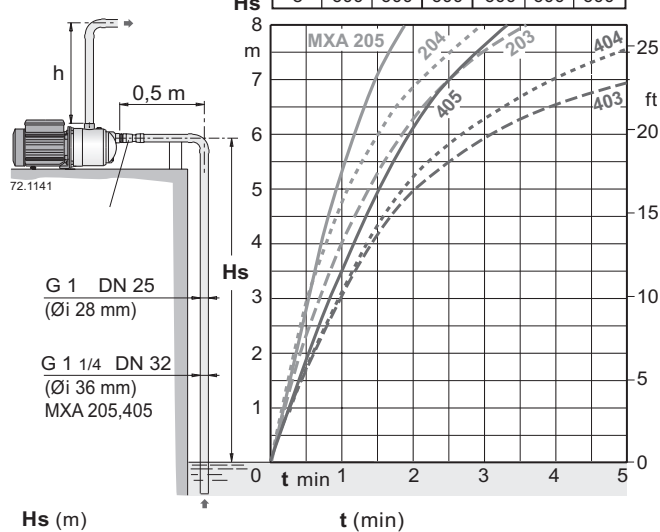


Coverage chart $n \approx 2800$ rpm

H_2O , $T = 20^\circ C$,
 $P_a = 1000$ hPa (mbar)
 50 Hz ($n \approx 2800$ 1/min)

H_s (m)	h (mm)					
	203	204	205	403	404	405
2	100	100	500	100	100	500
4	200	200	500	450	450	500
6	450	450	500	600	600	600
8	600	600	600	600	600	600



Horizontal multi-stage self-priming
close coupled pumps



Construction

Horizontal multi-stage, self-priming, close coupled pump.
Single-piece barrel casing in chrome-nickel stainless steel, with front suction port above pumps axis and radial delivery at top.
Stages in Noryl.

Applications

For water supply systems.
For domestic use, for garden use and irrigation.

Operating conditions

Liquid temperature: 0 °C to +35 °C.
Ambient temperature up to 40° C.
Suction lift up to 8 m.
Maximum permissible pressure in the pump casing: 8 bar.
Continuous service (S3 60% for 1.5 kW single-phase pumps).

Motor

2-pole induction motor, 50 Hz (n ≈ 2800 1/min).
MXA: three-phase 230/400 V ± 10%.
MXAM: single-phase 230 V ± 10%, with thermal protector.
Capacitor inside the terminal box.
Insulation class F.
Protection IP54
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

Other voltages.
Frequency 60 Hz (as per 60 Hz data sheet).
IP protection: IP55

Designation

MXAM 204/A
MXA = Series
M = Single-phase version (no indication: three-phase)
2 = Rated flow in m3/h
04 = Number of impellers
/A = It refers to a revision

Materials

Component	Material
Pump casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Casing cover	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)
Shaft	Steel 1.4104 EN 10088 (AISI 430F)
Plug	Chrome-nickel steel 1.4305 EN 10088 (AISI 303)
Suction casing	Noryl PPO-GF20
Stage casing	Noryl PPO-GF20
Impeller	Noryl PPO-GF20
Mechanical seal	Carbon - Ceramic - NBR

Coverage chart n ≈ 2900 rpm
Single-phase

					Q = Flow							
					m³/h	0	1	2	3	4	4,5	5
Model	230V	P2		P1	l/min			16,6	33,3	50	66,6	75
	A	kW	HP	kW	H (m) = Total head							
MXAM 203	3	0,37	0,5	0,57		32	28	24	19	14	-	-
MXAM 204/A	4,5	0,55	0,75	0,78		45	40	34	27	20	15	-
MXAM 205/A	5,7	0,75	1	1,01		55,5	50	43	35,5	26,5	21,5	15,5

Three-phase

					Q = Flow							
					m³/h	0	1	2	3	4	4,5	5
Model	230V	400V	P2		l/min			16,6	33,3	50	66,6	75
	A		kW	HP	H (m) = Total head							
MXA 203	2,4	1,4	0,37	0,5		32	28	24	19	14	-	-
MXA 204/A	2,8	1,6	0,55	0,75		45	40	34	27	20	15	-
MXA 205/B	3.7	2.2	0.75	1		55.5	50	43	35.5	26.6	21.4	15.5

Single-phase

					Q = Flow									
					m³/h	0	2	3	4	5	6	6,5	7	8
Model	230V	P2		P1	l/min		33,3	50	66,6	83,3	100	108	117	133
	A	kW	HP	kW	H (m) = Total head									
MXAM 403/A	4,5	0,55	0,75	0,78		34	30	28	25	22	17	15	-	-
MXAM 404/A	5,7	0,75	1	1,01		45	40	37	33	28	22	19	15	-
MXAM 405/A	7	1,1	1,5	1,44		56	51	47,5	42,5	36,5	30	26,5	23	14

Three-phase

					Q = Flow									
					m³/h	0	2	3	4	5	6	6,5	7	8
Model	230V	400V	P2		l/min			33,3	50	66,6	83,3	100	108	117
	A		kW	HP	H (m) = Total head									
MXA 403/A	2,8	1,6	0,55	0,75		34	30	28	25	22	17	15	-	-
MXA 404/B	3,5	2	0,75	1		45	40	37	33	28	22	19	15	-
MXA 405/A	4,5	2,6	1,1	1,5		56	51	47,5	42,5	36,5	30	26,5	23	14

P1: Maximum power input.

P2: Rated motor power output.

Test results with clean cold water, without gas content.

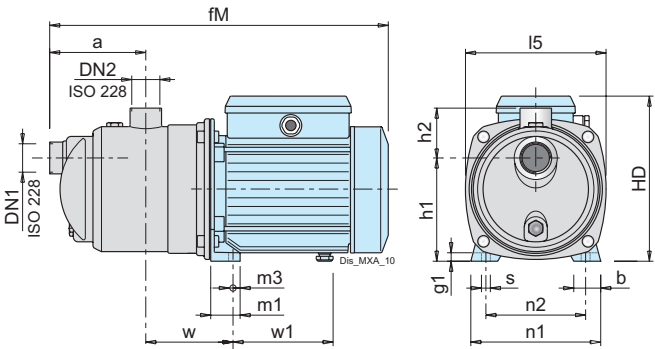
A safety margin of + 0.5 m is recommended for the NPSH value.

For flow rates greater than 4 m³/h use a G1 1/4 suction pipe (DN 32).

Tolerances according to UNI EN ISO 9906:2012



Dimensions and weights



TYPE	ISO 228		mm															kg
	DN1	DN2	a	b	fM	g1	h1	h2	HD	l5	m1	m3	n1	n2	s	w	w1	Weight
MXA 203	G 1	G 1	115	30	362	10	116	61	176	161	33	8	146	112	9	102	102	6.8
MXA 204/A	G 1	G 1	115	30	691	10	116	61	192	161	33	8	146	112	9	112	112	8.9
MXA 205/B	G 1 1/4	G 1	140	33	462	11	152	68	225	213.5	37.5	9.5	185	155	9.5	147	147	12.8
MXA 403/A	G 1	G 1	115	30	391	10	116	61	192	161	33	8	146	112	9	112	112	8.8
MXA 404/B	G 1	G 1	115	30	391	10	116	61	192	161	33	8	146	112	9	112	112	10.8
MXA 405/A	G 1	G 1	140	33	462	11	152	68	225	213.5	37.5	9.5	185	155	9.5	147	147	14.5

TYPE	ISO 228		mm															kg
	DN1	DN2	a	b	fM	g1	h1	h2	HD	l5	m1	m3	n1	n2	s	w	w1	Weight
MXAM 203	G 1	G 1	115	30	362	10	116	61	176	161	33	8	146	112	9	102	102	6.8
MXAM 204/A	G 1	G 1	115	30	691	10	116	61	192	161	33	8	146	112	9	112	112	10
MXAM 205/A	G 1 1/4	G 1	140	33	462	11	152	68	225	213.5	37.5	9.5	185	155	9.5	147	147	12.8
MXAM 403/A	G 1	G 1	115	30	391	10	116	61	192	161	33	8	146	112	9	112	112	9.9
MXAM 404/A	G 1	G 1	115	30	391	10	116	61	192	161	33	8	146	112	9	112	112	10.9
MXAM 405/A	G 1	G 1	140	33	462	11	152	68	225	213.5	37.5	9.5	185	155	9.5	147	147	14.6