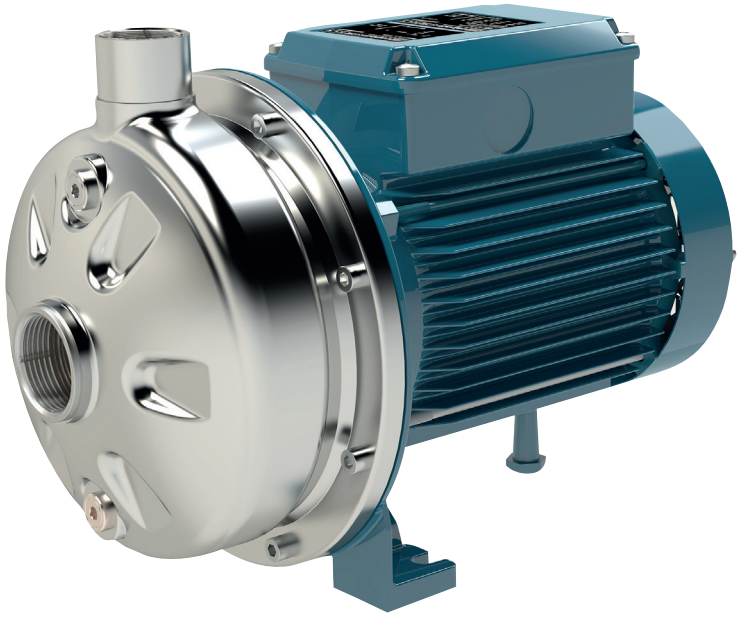
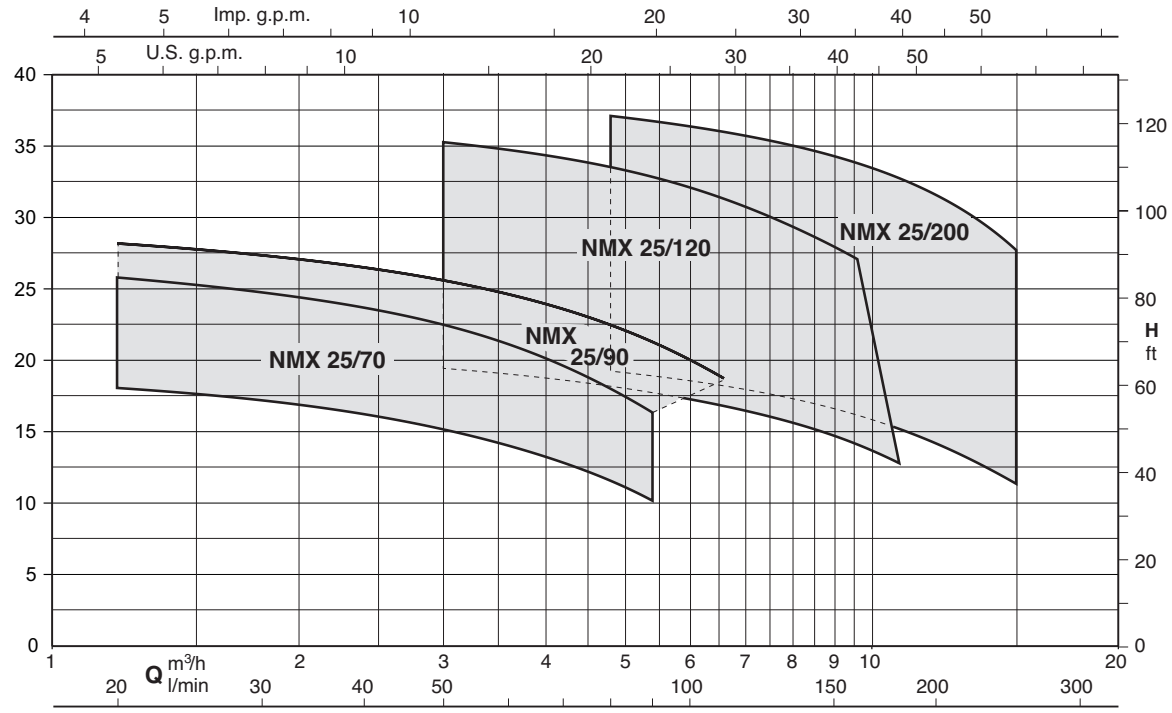


Coverage chart n ≈ 2900 rpm



Close coupled centrifugal pumps with threaded connections stainless steel

NMX

Construction

Close-coupled, centrifugal pumps; electric motor with extended shaft directly connected to the pump.

Connections: threaded ports ISO 228/1 (BS 2779).

NMX: Version in AISI 304.
NMXL: Version in AISI 316.

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 -10 °C to +90 °C.
Ambient temperature up to 40° C.
Maximum permissible working pressure up to 10 bar.
Continuous duty (S3 60% for single-phase pump to 1,5-1,8 kW).

Motor

2-pole induction motor, 50 Hz (n ≈ 2900 rpm).
NMX: three-phase 230/400 V ± 10%.
NMXM: single-phase 230 V ± 10%, with thermal protector.

Insulation class F.
Protection IP54
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

Other voltages.
Frequency 60 Hz (as per 60 Hz data sheet).
IP protection: IP55
Special mechanical seal
Higher or lower liquid or ambient temperatures.
Motor suitable for operation with frequency converter up to 0,75 kW.

Designation

Example: NMX(L)M 25/70B/B
NMX = Series
L = Version in AISI 316.
M = Single-phase version (no indication: three-phase)
25 = Delivery port diameter in mm
70 = Hydraulic code
B = Impeller size
/B = It refers to a revision

Materials

Components	NMX	NMXL
Pump casing	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4401 EN 10088 (AISI 316)
Casing cover	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4401 EN 10088 (AISI 316)
Impeller	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4401 EN 10088 (AISI 316)
Shaft	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	Stainless Steel 1.4401 EN 10088 (AISI 316)
Wear ring	EPDM	EPDM
Mechanical seal	Ceramic alumina/Carbon/EPDM	Ceramic alumina/Carbon/EPDM

Coverage chart n ≈ 2900 rpm

Three-phase

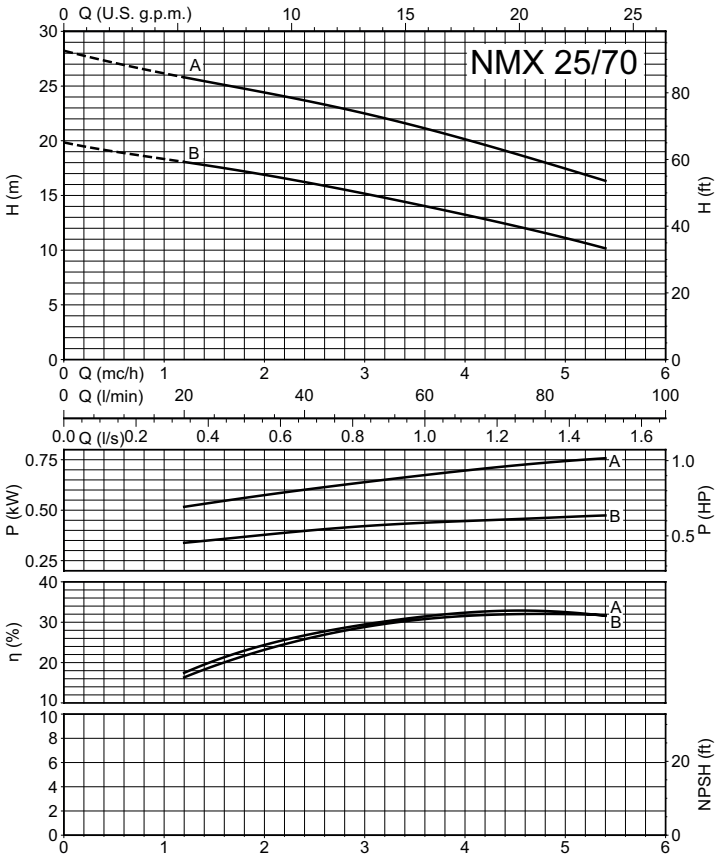
							Q = Flow																		
						m³/h	0	1,2	1,5	1,89	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,5	8,4	9,6	10,8	12	13,2	15
Model		230V	400V	P2		l/min		20	25	31,5	40	50	60	70	80	90	100	110	125	140	160	180	200	220	250
		A		kW	HP		H (m) = Total head																		
NMXL	NMX 25/70B	3	1,7	0,55	0,75		19,8	18,1	17,6	17,1	16,2	15,2	14	12,8	11,6	10,2	-	-	-	-	-	-	-	-	-
NMXL	NMX 25/70A	3,8	2,2	0,75	1		28,2	25,8	25,3	24,6	23,7	22,5	21,1	19,6	18	16,3	-	-	-	-	-	-	-	-	-
NMXL	NMX 25/90A	4,5	2,6	1,1	1,5		30	28,2	27,8	27,2	26,5	25,6	24,6	23,6	22,5	21,3	20	18,7	-	-	-	-	-	-	-
NMXL	NMX 25/120C	3,8	2,2	0,75	1		21,6	-	-	-	-	19,4	19	18,6	18,2	17,7	17,3	16,8	16,1	15,3	14,1	12,8	-	-	-
NMXL	NMX 25/120B	4,5	2,6	1,1	1,5		30,9	-	-	-	-	27,8	27,2	26,6	26	25,4	24,7	24	22,9	21,7	19,7	-	-	-	-
NMXL	NMX 25/120A	7,5	4,3	1,5	2		38,4	-	-	-	-	35,3	34,7	34,2	33,5	32,8	32,1	31,3	30,1	28,8	27,1	-	-	-	-
NMXL	NMX 25/200C	4,5	2,6	1,1	1,5		22,1	-	-	-	-	-	-	-	19,2	18,9	18,6	18,2	17,6	17	16,2	15,2	14,2	13,1	11,4
NMXL	NMX 25/200B	7,5	4,3	1,5	2		31,4	-	-	-	-	-	-	-	28,9	28,6	28,2	27,9	27,3	26,7	25,8	24,8	23,8	22,6	20,8
NMXL	NMX 25/200A	9,2	5,3	2,2	3		39,9	-	-	-	-	-	-	-	37,1	36,8	36,4	36	35,4	34,7	33,8	32,7	31,6	30,2	27,7

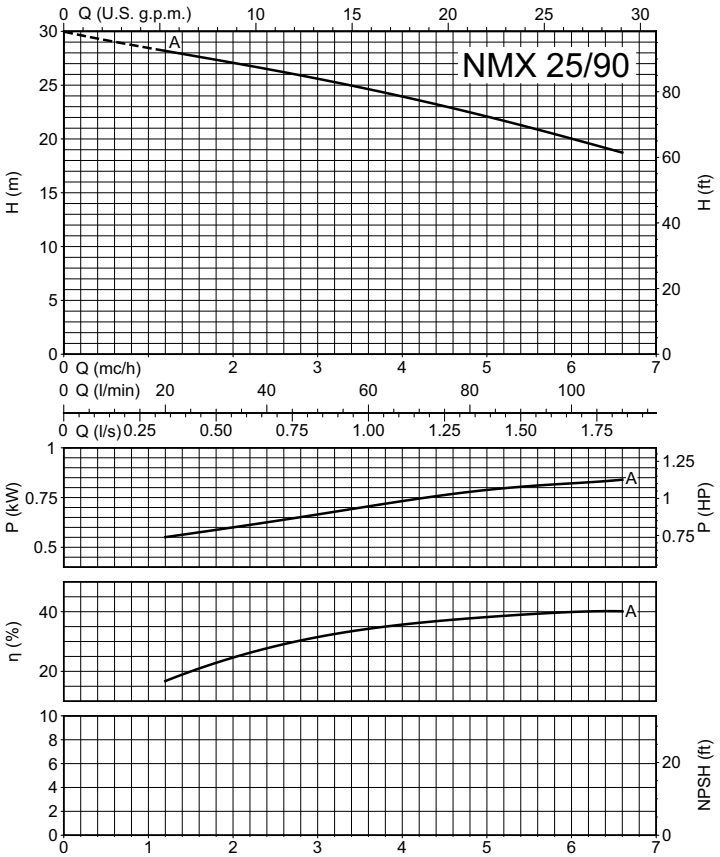
Single-phase

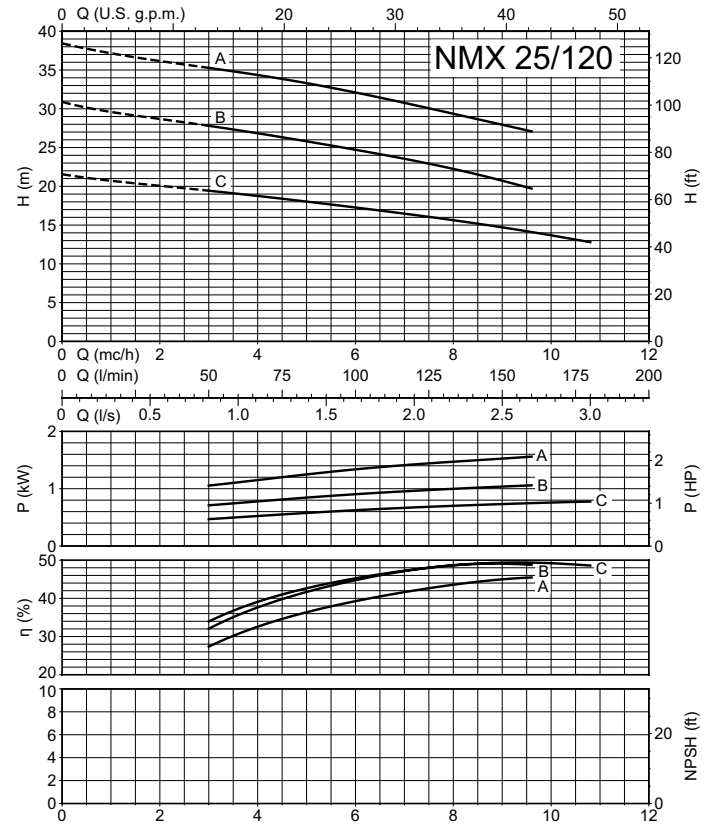
						Q = Flow																		
					m³/h	0	1,2	1,5	1,89	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,5	8,4	9,6	10,8	12	13,2	15
Model		230V	P2		P1	l/min		20	25	31,5	40	50	60	70	80	90	100	110	125	140	160	180	200	220	250
		A	kW	HP	kW		H (m) = Total head																	
NMXLM	NMXM 25/70B	4,5	0,55	0,75	1		19,8	18,1	17,6	17,1	16,2	15,2	14	12,8	11,6	10,2	-	-	-	-	-	-	-	-	-
NMXLM	NMXM 25/70A	5,7	0,75	1	1,2		28,2	25,8	25,3	24,6	23,7	22,5	21,1	19,6	18	16,3	-	-	-	-	-	-	-	-	-
NMXLM	NMXM 25/90A	7	1,1	1,5	1,5		30	28,2	27,8	27,2	26,5	25,6	24,6	23,6	22,5	21,3	20	18,7	-	-	-	-	-	-	-
NMXLM	NMXM 25/120C	5,7	0,75	1	1,2		21,6	-	-	-	-	19,4	19	18,6	18,2	17,7	17,3	16,8	16,1	15,3	14,1	12,8	-	-	-
NMXLM	NMXM 25/120B	7	1,1	1,5	1,5		30,9	-	-	-	-	27,8	27,2	26,6	26	25,4	24,7	24	22,9	21,7	19,7	-	-	-	-
NMXLM	NMXM 25/120A	9,2	1,5	2	2		38,4	-	-	-	-	35,3	34,7	34,2	33,5	32,8	32,1	31,3	30,1	28,8	27,1	-	-	-	-
NMXLM	NMXM 25/200C	7	1,1	1,5	1,5		22,1	-	-	-	-	-	-	-	19,2	18,9	18,6	18,2	17,6	17	16,2	15,2	14,2	13,1	11,4
NMXLM	NMXM 25/200B	9,2	1,5	2	2		31,4	-	-	-	-	-	-	-	28,9	28,6	28,2	27,9	27,3	26,7	25,8	24,8	23,8	22,6	20,8

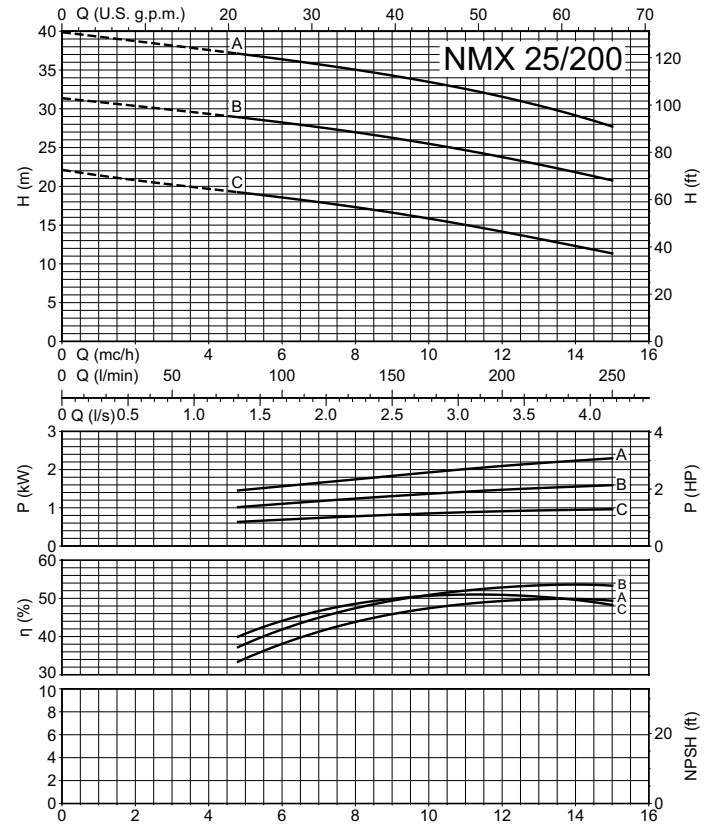
P1: Maximum power input.
P2: Rated motor power output.
H: Total head in m

Characteristic curves n ≈ 2900 rpm

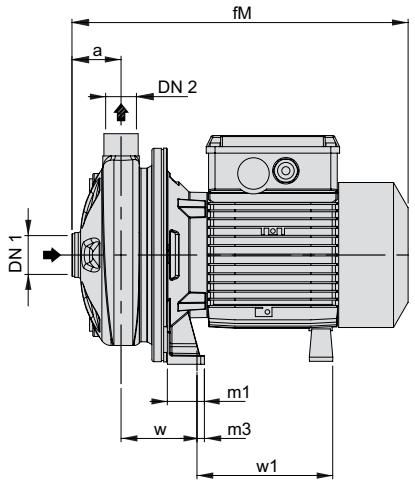


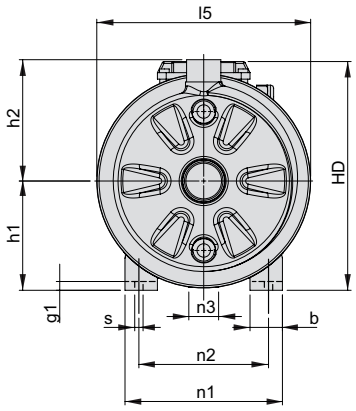






Dimensions and weight

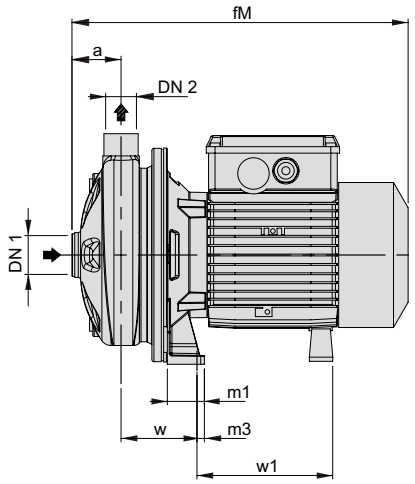


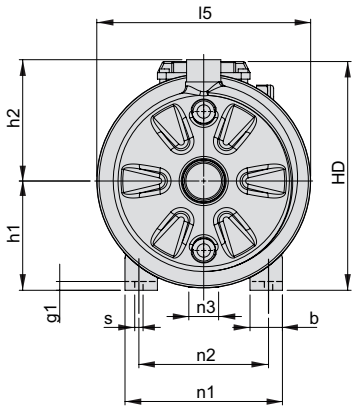


Three-phase

TYPE	ISO 228		mm																kg
	DN1	DN2	a	b	fM	g1	h1	h2	HD	l5	m1	m3	n1	n2	n3	s	w	w1	Weight
NMX 25/70B	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	9.7
NMX 25/70A	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	11.6
NMX 25/90A	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	14
NMX 25/120C	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	11.7
NMX 25/120B	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	13.6
NMX 25/120A	G 1 1/4	G 1	53	35	363	10	118	131	247	232	40	8	170	140	33	9	82	147	16.9
NMX 25/200C	G 1 1/2	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMX 25/200B	G 1 1/2	G 1	53	35	363	10	106	123	235	208	40	8	170	140	35	9	82	147	16.6
NMX 25/200A	G 1 1/2	G 1	53	35	403	10	118	131	247	232	40	8	170	140	35	9	82	187	-
NMXL 25/70B	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXL 25/70A	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXL 25/90A	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXL 25/120C	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXL 25/120B	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXL 25/120A	G 1 1/4	G 1	53	35	363	10	118	131	247	232	40	8	170	140	33	9	82	147	-
NMXL 25/200C	G 1 1/2	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXL 25/200B	G 1 1/2	G 1	53	35	363	10	106	123	235	208	40	8	170	140	35	9	82	147	-
NMXL 25/200A	G 1 1/2	G 1	53	35	403	10	118	131	247	232	40	8	170	140	35	9	82	187	-

Dimensions and weight





TYPE	ISO 228		mm																kg
	DN1	DN2	a	b	fM	g1	h1	h2	HD	l5	m1	m3	n1	n2	n3	s	w	w1	Weight
NMXM 25/70B	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	10.7
NMXM 25/70A	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	12
NMXM 25/90A	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	13.6
NMXM 25/120C	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	11.9
NMXM 25/120B	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	13.6
NMXM 25/120A	G 1 1/4	G 1	53	35	363	10	118	131	247	232	40	8	170	140	33	9	82	147	-
NMXM 25/200C	G 1 1/2	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXM 25/200B	G 1 1/2	G 1	53	35	363	10	106	123	235	208	40	8	170	140	35	9	82	147	-
NMXLM 25/70B	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXLM 25/70A	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXLM 25/90A	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXLM 25/120C	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXLM 25/120B	G 1 1/4	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXLM 25/120A	G 1 1/4	G 1	53	35	363	10	118	131	247	232	40	8	170	140	33	9	82	147	-
NMXLM 25/200C	G 1 1/2	G 1	53	35	329.5	10	106	123	217	208	40	8	170	140	20	9	80	135	-
NMXLM 25/200B	G 1 1/2	G 1	53	35	363	10	106	123	235	208	40	8	170	140	35	9	82	147	-