NM / NMS

Horizontal, Monoblok End-Suction Centrifugal Pumps

The electropumps NM, B-NM, NMS, B-NMS series comply with the European Regulation no. 54712012 in force starting from 01.01.2013

Construction

Close-coupled centrifugal pumps; electric motor with extended shaft directly connected to the pump up to 30 kW, new bracket construction for standard motors (stub-shaft construction) from 37 to 75 kW with integrated thrust bearing.
Pump casing with axial suction and radial delivery on top, main dimensions and performance according to EN 733.
NM(S): version with pump casing and lanter bracket in cast iron.
B-NM(S): version with pump casing and lanter bracket/casing cover in bronze. (the pumps are supplied fully painted).
Connections: Flanges according to PN 10, EN 1092-2.
Counter-flanges (on request)

Sizes	Flanges
from NM 32/ .. to NM 50...	Screwed flanges EN 1092-1, PN 16
from NM 65/ .. to NMS 100...	Flanges for welding EN 1092-1, PN 10

Applications

- For clean liquids without abrasives, which are non-aggressive for the pump materials (solids content up to 0,2%). - For water supply.
- For heating, air conditioning, cooling and circulation plants.
- For civil and industrial applications.
- For fire fighting applications.
- For irrigation.

Operating conditions

Liquid temperature from -10°C to +90 °C.
Ambient temperature up to 40° C.
Total suction lift up to 7 m.
Maximum permissible working pressure up to 10 bar.
Continuous duty.

Motor

2-pole induction motor, 50 Hz (n '" 2900 rpm).
NM, NMS: three-phase 230/400 V ± 10% up to 3 kW;
400/690 V ± 10% from 4 to 75 kW.
Insulation class F. Protection IP 54 (IP 55 for NMS).
Classification scheme IE2 for three-phase motor from 0,75 kW.
Constructed in accordance with: EN 60034-1; EN 60034-30.

Special features on request

- Other voltages.
- Frequency 60 Hz (as per 60 Hz data sheet).
- Protection IP 55.
- Special mechanical seal.
- Packed gland (only for NM standard construction).
- Single-phase motor (NMM) up to 1,5 kW.
- Explosion proof construction in accordance with Directive 9419 EEC (ATEX)
- Higher or lower liquid or ambient temperatures.
- Motor suitable operaton with frequency converter (standard feature for NMS).

Materials

<table>
<tr><th>Components</th><th>NM, NMS</th><th>B-NM, B-NMS</th></tr>
<tr><td>Pump casing</td><td rowspan="3">Cast iron
GJL 200 EN 1561</td><td rowspan="3">Bronze
G-Cu Sn 10 EN 1982</td></tr>
<tr><td>Lantern bracket NM</td></tr>
<tr><td>Casing cover for NMS</td></tr>
<tr><td>Lantern bracket NMS</td><td colspan="2">Cast iron GJL 200 EN 1561</td></tr>
<tr><td rowspan="3">Impeller</td><td>Cast iron
GJL 200 EN 1561</td><td>Bronze
G-Cu Sn 10 EN 1982</td></tr>
<tr><td colspan="2">Brass P-Cu Zn 40 Pb 2 UNI 5705
for NM 32/12-16-20, NM 40/20,
B-NM 32/125-160-200, B-NM 40/200</td></tr>
<tr><td rowspan="2">Shaft</td><td>AISI 303 up to 2.2 kW</td><td rowspan="2">Cr Ni Mo steel
AISI316</td></tr>
<tr><td>AISI 430 from 3 kW to 75 kW</td></tr>
<tr><td>Mechanical seal</td><td colspan="2">Carbon - Ceramic - NBR</td></tr>
<tr><td>Counter-flanges</td><td colspan="2">Steel Fe 430B UNI 7070</td></tr>
</table>

NM / NMS

Horizontal, Monoblok, End-Suction Centrifugal Pumps

Performance n=2900 rpm

B-NM	NM	P2 kW	P2 HP	Q m³/h	6,6	7,5	8,4	9,6	10,8	12	13,2	15	16,8	18,9	21	24	27	30
				l/min	110	125	140	160	180	200	220	250	280	315	350	400	450	500
B-NM 32/12F	NM 32/12FE	0,55	0,75		12,5	12,5	12	11,5	11	10	9	7,5						
B-NM 32/12D	NM 32/12DE	0,75	1		18	18	17,5	17	16,5	16	15,5	14						
B-NM 32/12A	NM 32/12AE	1,1	1,5		23	23	22,5	22	21,5	21	20,5	19						
B-NM 32/12S	NM 32/12SE	1,5	2		23,5	23,5	23	22,5	22	21,5	21	20,5	19*	18,5*	16,5*	13*		
B-NM 32/16B	NM 32/16BE	1,5	2	H	29,5	29,5	29	28,5	27,5	27	26	25*	22,5*					
B-NM 32/16A/A	NM 32/16A/A	2,2	3	m	35,5	35,5	35	34,5	34	33,5	33	32*	30*					
B-NM 32/20D/A	NM 32/20D/A	2,2	3		38	37,5	37	36	35	33,5	32							
B-NM 32/20C/A	NM 32/20C/A	3	4		45	44,5	44	43,5	42,5	41	40	38	36*					
B-NM 32/20A/A	NM 32/20A/A	4	5,5		57,5	57	56	55,5	55	54,5	53,5	51,5	49*					

B-NM	NM	P2 kW	P2 HP	Q m³/h	15	16,8	18,9	21	24	27	30	33	37,8	39	42	45	48	54
				l/min	250	280	315	350	400	450	500	550	630	650	700	750	800	900
B-NM 40/12F	NM 40/12F/A	1,1	1,5		14	13,5	13	12	11	9,5	8	6						
B-NM 40/12C	NM 40/12C/A	1,5	2		17,5	17	16,5	16	15	13,5	12	10,5	7,5	6,5				
B-NM 40/12A/A	NM 40/12A/B	2,2	3		22	22	21,5	21	20	19	18	16,5	14	13	11,5			
B-NM 40/16C/A	NM 40/16C/B	2,2	3		23	22,5	22	21,5	20	18,5	16,5	14,5	11	10				
B-NM 40/16B/A	NM 40/16B/B	3	4		29	28,8	28	27,5	26,5	25	23,5	21,5	18	17	14			
B-NM 40/16A/A	NM 40/16A/B	4	5,5		37	36,5	36,5	36	35	33,5	32	30,5	27	26	23,5	20	17	
B-NM 40/20D/A	NM 40/20D/A	4	5,5	H	39	38	37	35,5	33,5	30,5	27	22,5	14					
B-NM 40/20C/A	NM 40/20C/A	4	5,5	m	41,5	40,5	39,5	38	36	33,5								
B-NM 40/200B/A	NM 40/20B/A	5,5	7,5		50	49,5	48,5	47,5	45,5	43,5	41,5	37,5	30,5					
	NM 40/20AR/A	5,5	7,5		55	54,5	54	53	51	49								
B-NM 40/200A/A	NM 40/20A/A	7,5	10		57,5	57	56,5	55,5	54,5	52,5	50,5	48	42,5	40,5	35			
B-NM 4025/C/B	NM 40/25C/B	9,2	12,5		61	61	60,5	59,5	58,5	56,5	53,5	49,5	41,5	40	33,5			
B-NM 4025/B/B	NM 40/25B/B	11	15		69,5	69,5	69	68,5	67	65,5	63,5	60,5	53,5	51	45			
B-NM 4025/A/B	NM 40/25A/B	15	20		90	90	89,5	89	88,5	87	85	83	77,5	76	70,5			

B-NM	NM	P2 kW	P2 HP	Q m³/h	24	27	30	33	37,8	42	48	54	60	66	69	72	75	78	81	84
				l/min	400	450	500	550	630	700	800	900	1000	1100	1150	1200	1250	1300	1350	1400
B-NM 50/12F/A	NM 50/12F/B	2,2	3				15,5	15	14	13,5	12	10	8	6						
B-NM 50/12D/A	NM 50/12D/B	3	4				20	19,5	18,5	18	16,5	14,5	13	10,5	9	8				
B-NM 50/12A/A	NM 50/12A/B	4	5,5				24	24	23	22,5	21	19,5	17,5	15	14	12,5	11,5	10		
B-NM 50/12S/A	NM 50/12S/B	4	5,5				26,5	26	25,5	24,5	23,5	22	20	18	16,5	15,5	14	13	11	
B-NM 50/160B/B	NM 50/16B/B	5,5	7,5				31	30,5	29,5	28	26	24	21,5	19	17,5	15,5	13,5	11,5	9,5	
B-NM 50/160A/B	NM 50/16A/B	7,5	10				38,5	38	37,5	36,5	34,5	32,5	30	27	25,5	24	22,5	20,5	19	
B-NM 50/200B/B	NM 50/20B/B	9,2	12,5		48	47,5	47,5	47	45,5	44,5	42,5	40	37	33	30,5	28	25,5	23		
B-NM 50/200A/B	NM 50/20A/B	11	15		55	55	54,5	54,5	53,5	52	50	48	45	41,5	39,5	37	35	32,5		
B-NM 50/200S/B	NM 50/20S/B	15	20	H	60	60	59,5	59,5	58,5	57,5	55,5	53,5	50,5	47	45	43	40,5	37		
B-NM 5025/C/B	NM 50/25C/B	11	15	m	55	54,5	54	53	51,5	49,5	46	41,5	35,5	28,5	24,5					
B-NM 5025/B/B	NM 50/25B/B	15	20		69	68,5	68	67,5	66	64	61	57	52,5	46,5	43					
B-NM 5025/A/B	NM 50/25A/B	18,5	25		80,5	80,5	80	79,5	78,5	77	74,5	71,5	67	61,5	58,5					
B-NM 5025/65E/A	NM 50M/E/A	11	15			48	47,5	47	46	45	43	40	37	32	29,5	27	24			
B-NM 5025/65D/A	NM 50M/D/A	15	20				57	56,5	56	55	53	51	48	44,5	42	39,5	37	32	29	25*
B-NM 5025/65C/A	NM 50M/C/A	18,5	25				68	67,5	67	66,5	65	63	61	58	56	53,5	51,5	48	45,5	42*

B-NM - B-NMS	NM - NMS	P2 kW	P2 HP	Q m³/h	37,8	42	48	54	60	66	75	84	96	108	120	132	150	168
				l/min	630	700	800	900	1000	1100	1250	1400	1600	1800	2000	2200	2500	2800
	NM 65/12E/A	4	5,5		18	17,5	17	16,5	16	15	13,5*							
B-NM 65/125C/A	NM 65/12C/A	5,5	7,5		22	21,5	21	20,5	20	19,5	18	15,5*						
B-NM 65/125A/A	NM 65/12A/A	7,5	10		26	25,5	25	24,5	24	23,5	22	20*						
B-NM 65/160E/A	NM 65/16E/A	5,5	7,5				20	19,5	19	18,5	17	15,5	13*	10*				
B-NM 65/160D/A	NM 65/16D/A	7,5	10				26	25,5	25	24,5	23,5	22	20*	16,5*	13*			
B-NM 65/160C/A	NM 65/16C/A	9,2	12,5				30	29,5	29	28,5	28	26,5	24,5*	21,5*	18*			
B-NM 65/160B/A	NM 65/16B/A	11	15	H			33,5	33	32,5	32	31	30	28*	25,5*	22*			
B-NM 65/160A/A	NM 65/16A/A	15	20	m			38	37,5	37	36,5	36	35	33*	30,5*	27*			
B-NM 65/200C/A	NM 65/20C/A	15	20				44	43,5	43	42,5	41	39,5	37,5*	35*	31*	27*		
B-NM 65/200B/A	NM 65/20B/A	18,5	25				50	49,5	49	48,5	47,5	46,5	44,5*	42*	39*	35*		
B-NM 65/200A/A	NM 65/200A/A	22	30				56,5	56	55,5	55	54,5	53,5	51*	48,5*	45,5*	41,5*		
B-NM 65/250C/A	NM 65/250C/A	22	30				64	63,5	63	61,5*	60*	57,5*	54,5*	50*				
B-NM 65/250B/A	NM 65/250B/A	30	40				79,5	79	78,5	78*	77*	75*	72*	67*				
B-NMS 65/250A	NMS 65/250A	37	50				90	89,5	89	88,5*	87,5*	86*	83,5*	78,5*				

NM / NMS

Horizontal, Monoblok, End-Suction Centrifugal Pumps

Performance n=2900 rpm

B-NM - B-NMS	NM - NMS	P2 kW	P2 HP	Q m³/h	75	84	96	108	120	132	150	168	180	192	210	240	270	300
				l/min	1250	1400	1600	1800	2000	2200	2500	2800	3000	3200	3500	4000	4500	5000
B-NM 80/160E/A	NM 80/16E/A	7,5	10		20	19,3	18,5	17,5*	16,5*	15,5*	13*							
B-NM 80/160D/A	NM 80/16D/A	9,2	12,5		23	22,5	22	21*	19,5*	18*	15*							
B-NM 80/160C/A	NM 80/16C/A	11	15		27,5	27	26,5	25,5*	24,5*	23*	20*	16*						
B-NM 80/160B/A	NM 80/16B/A	15	20		34	33,5	33	32,5*	32*	31*	28*	23*	18*					
B-NM 80/160A/A	NM 80/16A/A	18,5	25		38,5	38	37,5	37*	36,5*	36*	33*	29*	24*					
B-NMS 80/200B	NM 80/200B/A	22	30		46,5	46	45,5	44,5	43,5*	42*	39*	35,5*	32*					
B-NMS 80/200A	NM 80/200A/A	30	40		56	55,5	55	54	53*	52*	49,5*	46*	43*					
B-NMS 80/250E	NM 80/250E/A	22	30		51	50	48,5	46,5	44,5*	42*	38*	33*	29*					
B-NMS 80/250D	NM 80/250D/A	30	40		65	64	62,5	61	59*	56,5*	53*	49*	45,5*	41*				
B-NMS 80/250C	NMS 80/250C	37	50	H m	73,5	73	72	70,5	69*	67*	63*	59*	55,5*	51,5*				
B-NMS 80/250B	NMS 80/250B	45	60		84	83,5	82,5	81,5	80*	78*	74,5*	70,5*	67*	63*				
B-NMS 80/250A	NMS 80/250A	55	75		95	94,5	93,5	92,5	91,5*	90*	87,5*	84*	80,5*	76,5*				
B-NMS 100/200E	NM 100/200E/A	18,5	25					30	29,5	29	28	27	26*	25*	23*	19*		
B-NMS 100/200D	NM 100/200D/A	22	30					36	35,5	35	34	33	32*	31*	29*	24,5*	19*	
B-NMS 100/200C	NM 100/200C/A	30	40					45	44,5	44	43,5	42,5	41,5*	40,5*	39*	34,5*	29*	22°
B-NMS 100/200B	NMS 100/200B	37	50					54	53,5	53	52,5	51,5	50,5*	49,5*	48*	44*	38,5*	32°
B-NMS 100/200A	NMS 100/200A	45	60					61,5	61	60,5	60	59,5	58,5*	58*	56,5*	53*	48*	42°
B-NMS 100/250B	NMS 100/250B	55	75					73,5	73	72,5	71,5	70	68,5*	67*	65*	61*	55,5*	48,5°
B-NMS 100/250A	NMS 100/250A	75	100					91	90,5	90	89,5	88,5	88*	87*	85*	81*	75*	67°

NM(S) Standard construction.
B-NM(S) Bronze construction.

P2 Rated motor power output.
H Total head in m.

* Maximum suction lift 1-2 m.
° With 1 m suction head.
Tolerances according to UNI EN ISO 9906:2012

Regulation (EU) No 547/2012

- The benchmark for most efficient water pumps is MEI ≥ 0,70.
- The efficiency of a pump with a trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter.
- The operation of this water pump with variable duty points may be more efficient and economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system.

Rated currents

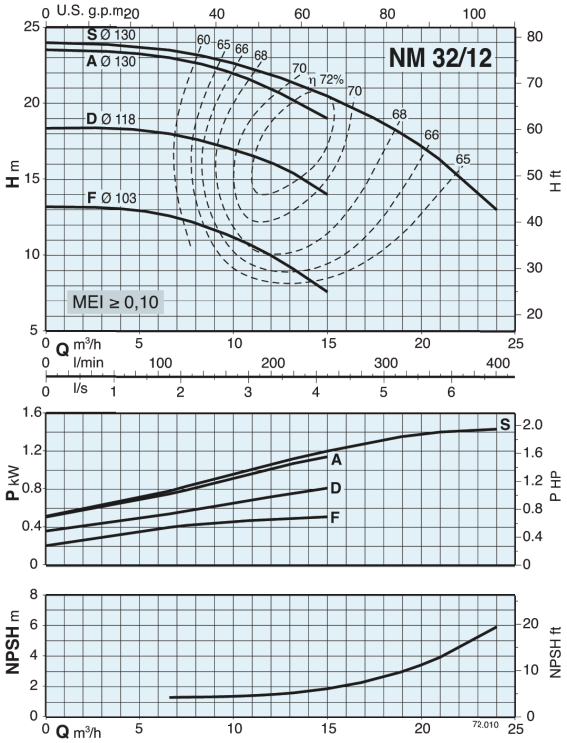
P2 kW	P2 HP	230V Δ / 400V Y IN A	400V Δ / 690V Y IN A	IN A	IA/IN
0,55	0,75	4	2,3		4,8
0,75	1	4	2,3		4,8
1,1	1,5	4,6	2,7		5,6
1,5	2	7,5	4,3		5,5
2,2	3	9,2	5,3		7,4
3	4	11,5	6,6		8,2
4	5,5		9,6	5,5	7,6
5,5	7,5		10,9	6,3	9,1
7,5	10		14,3	8,3	9,1
9,2	12,5		18,5	10,7	8,2
11	15		21,5	12,4	8,5
15	20		27,3	15,8	9,5
18,5	25		34	19,6	9,4
22	30		41	23,7	10,7
30	40		54	31,2	8,8
37	50		64	36,9	7,2
45	60		77	44,5	7,3
55	75		93	53,7	6,8
75	100		128	73,9	7

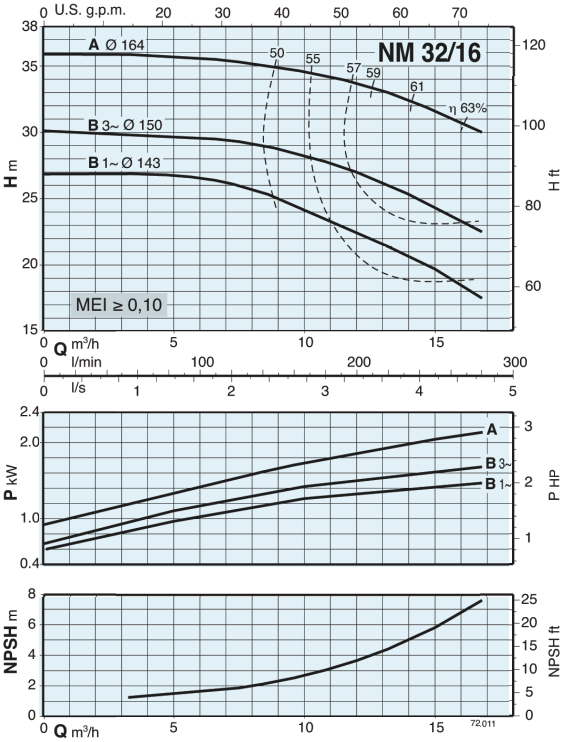
P2 Rated motor power output.
IA/IN D.O.L. starting current / Nominal current

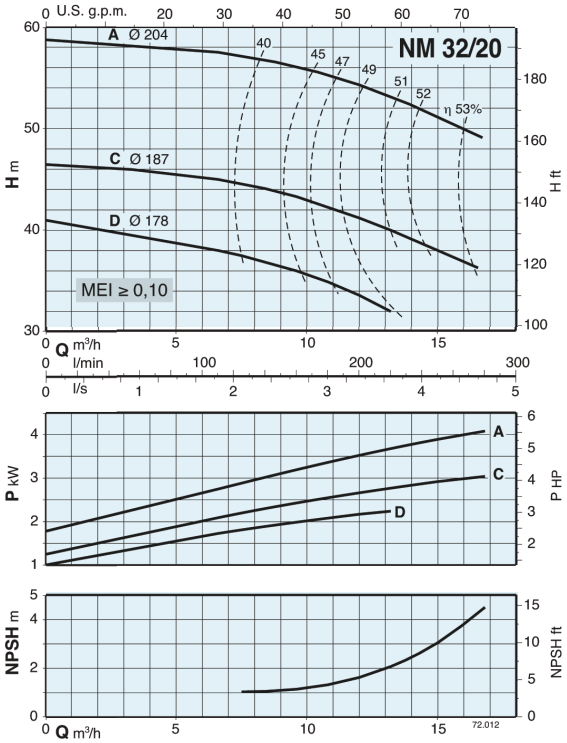
NM / NMS

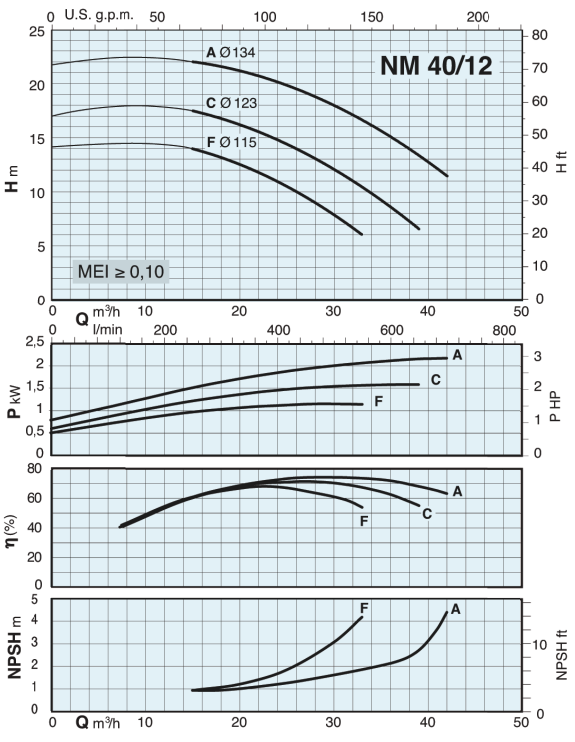
Horizontal, Monoblok, End-Suction Centrifugal Pumps

Characteristic Curves n=2900 rpm









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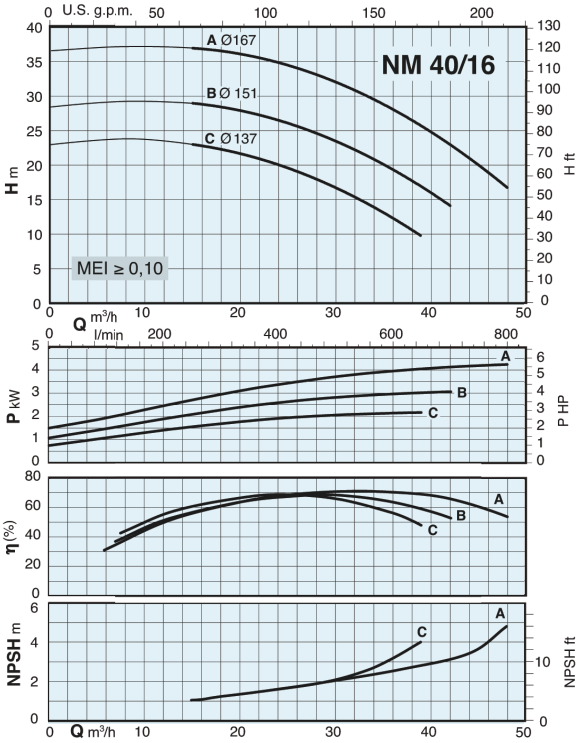

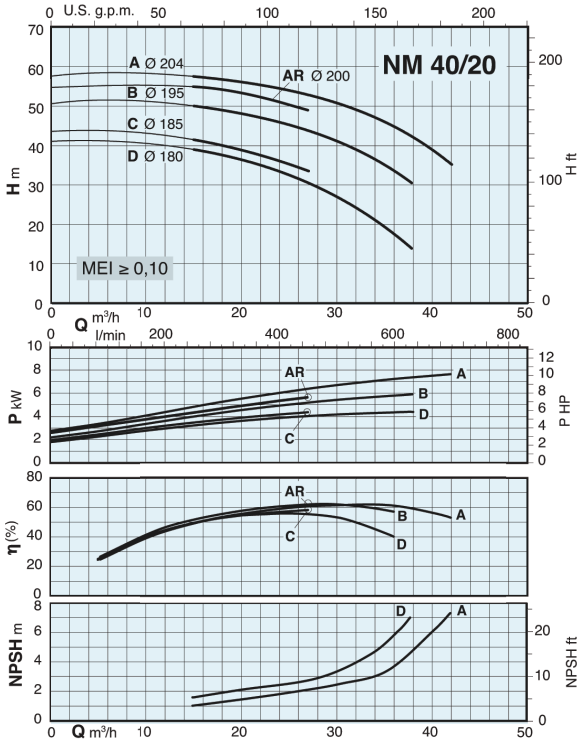

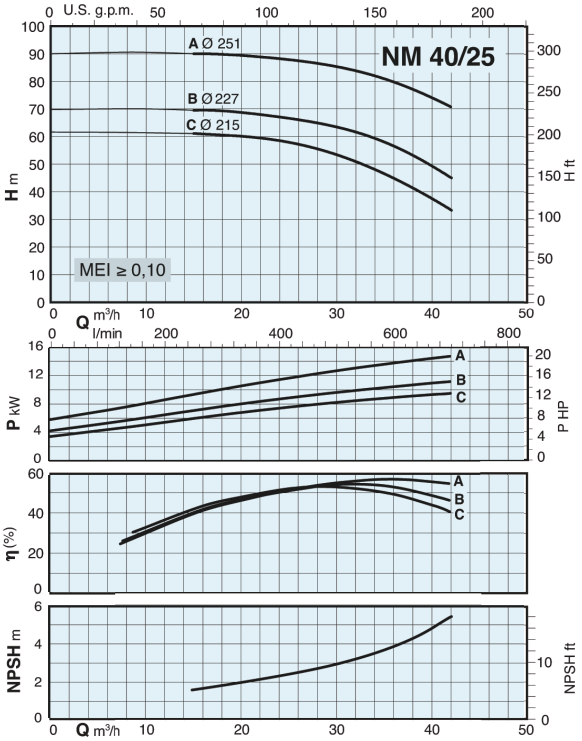

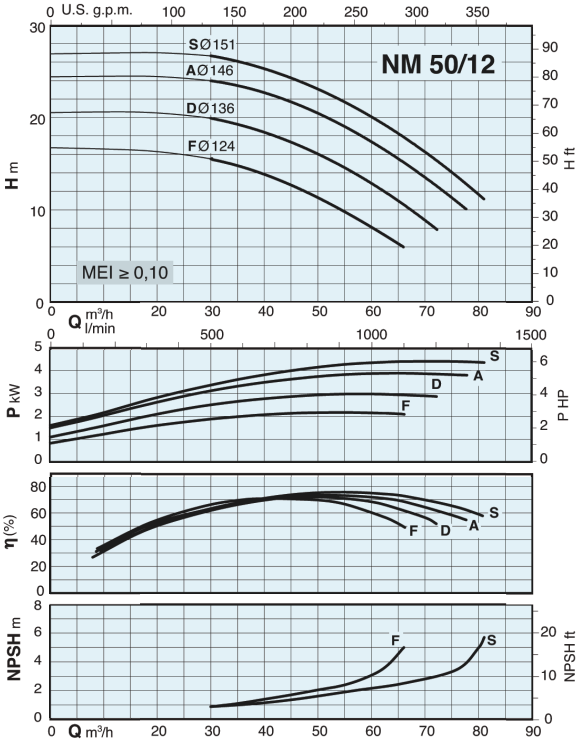

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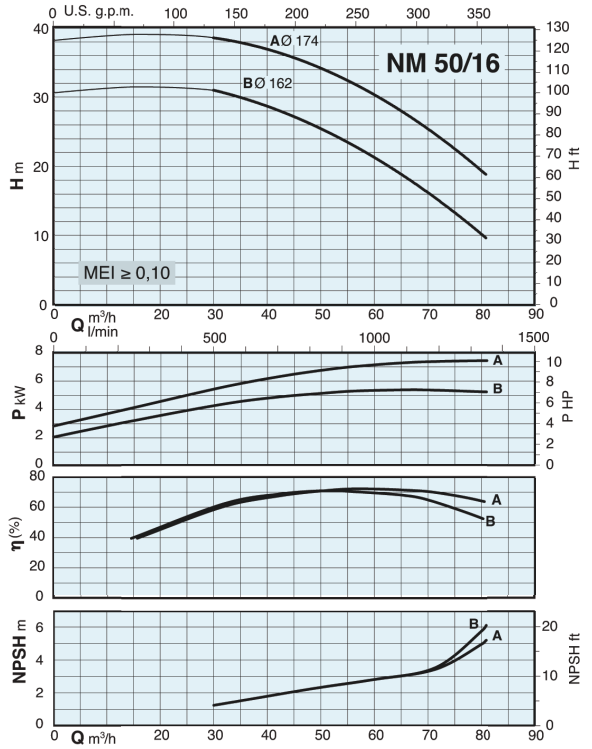
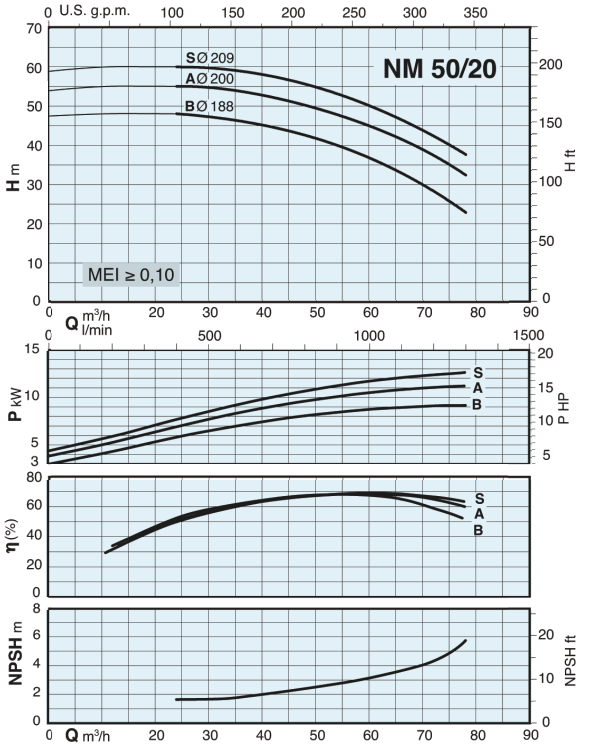
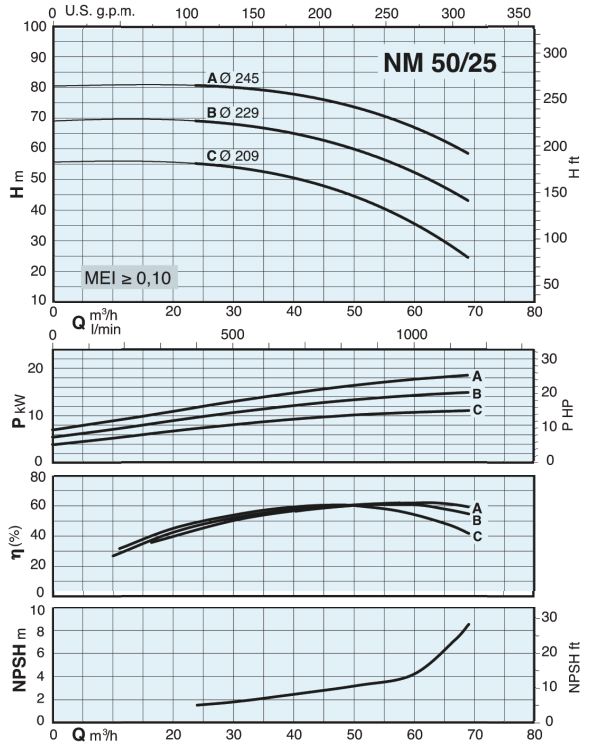
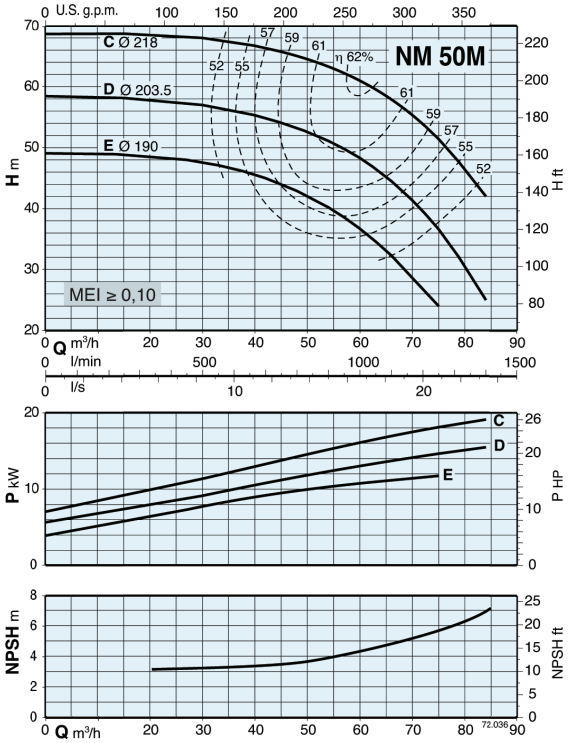
Characteristic Curves n=2900 rpm









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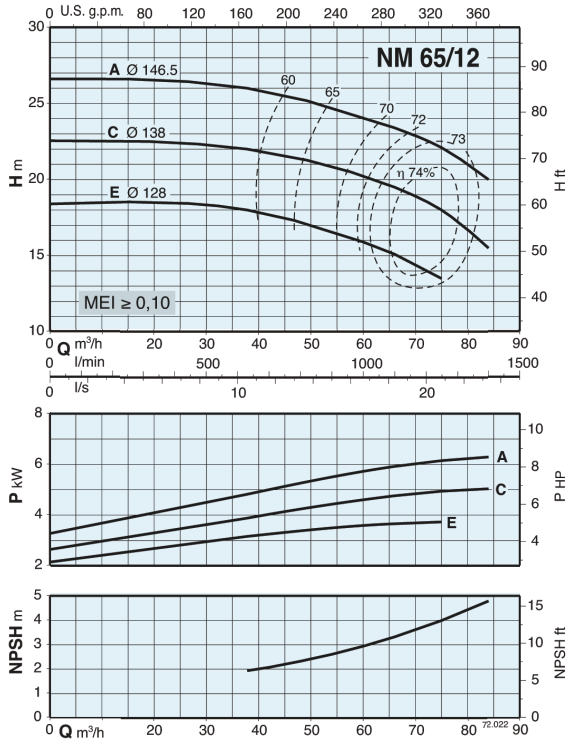
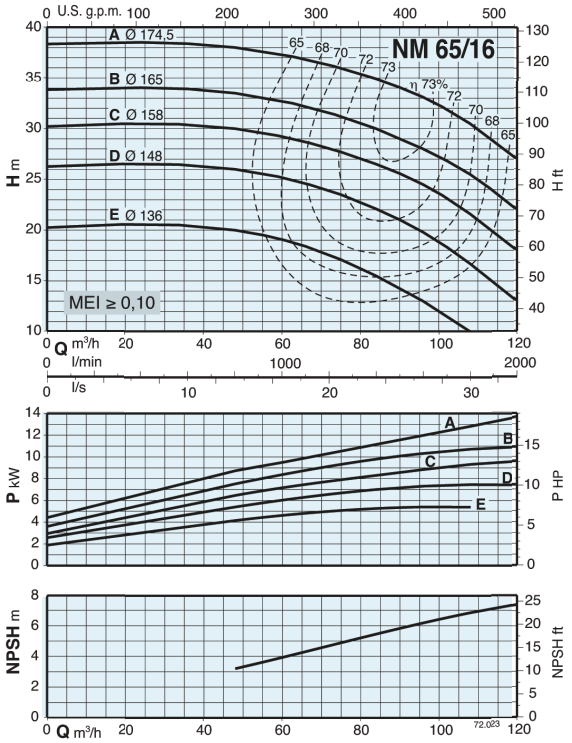
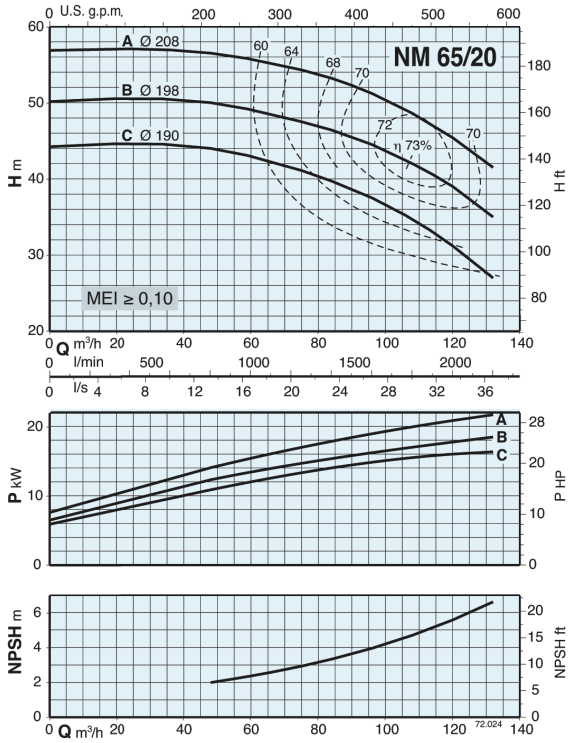
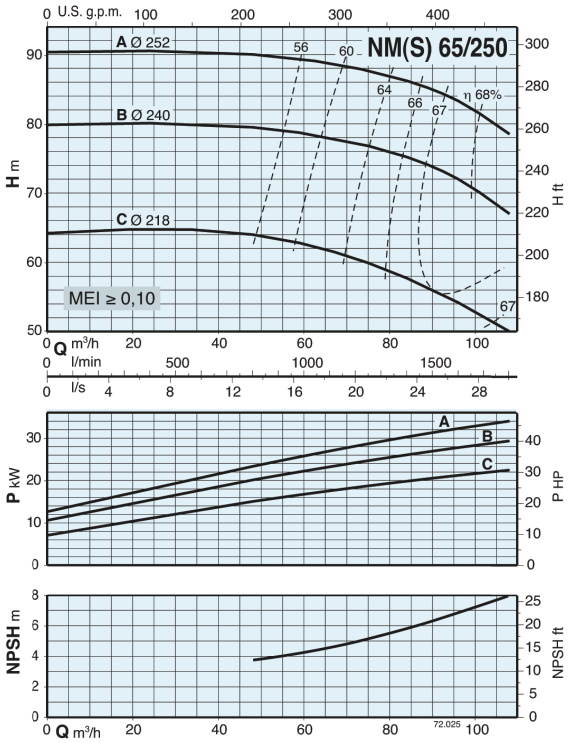
Horizontal, Monoblok, End-Suction Centrifugal Pumps

Characteristic Curves n=2900 rpm





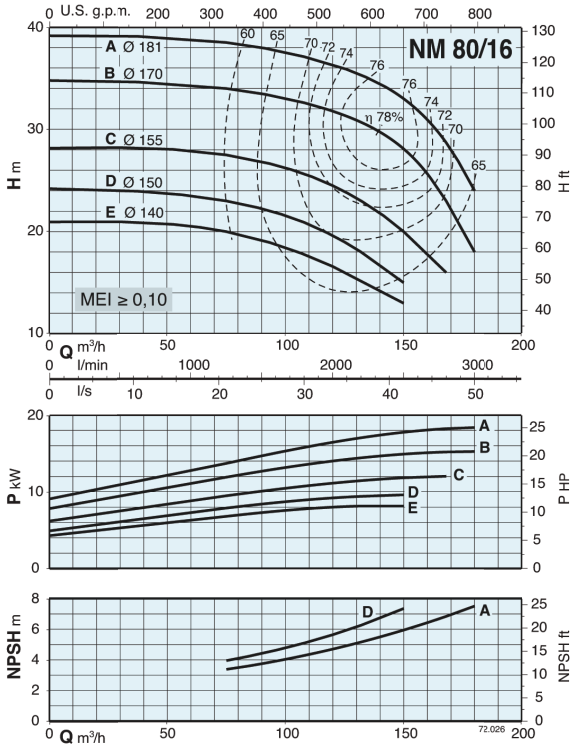


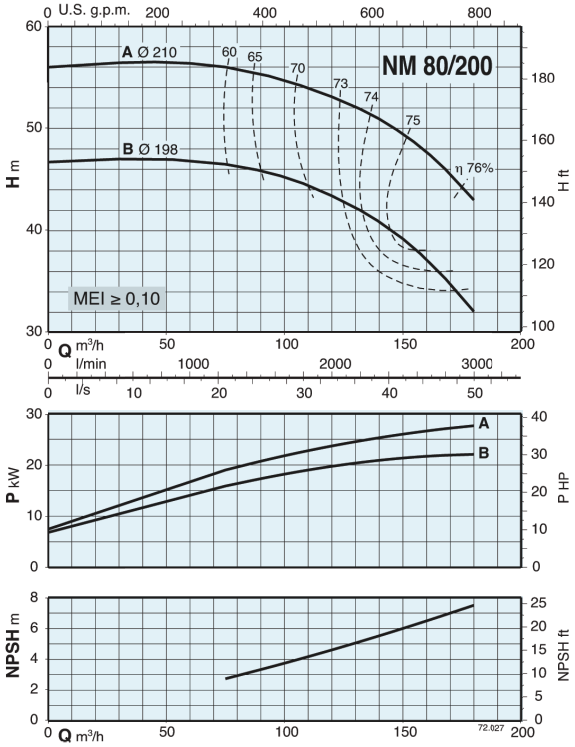


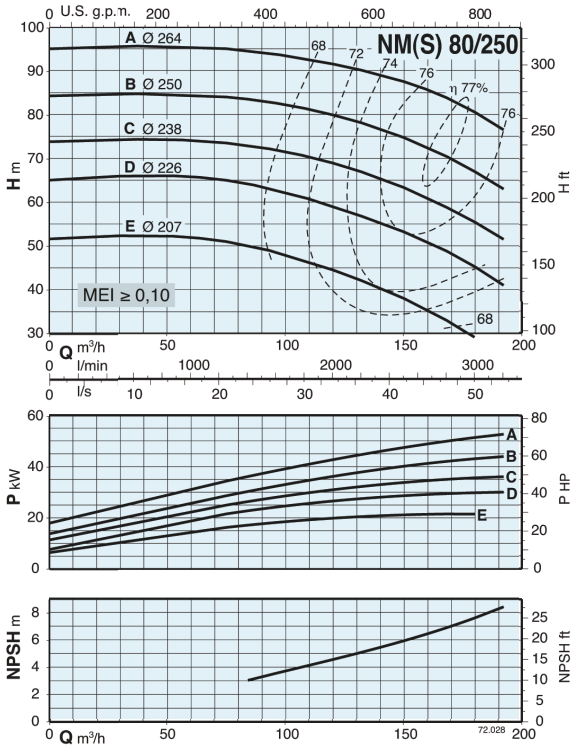
NM / NMS

Horizontal, Monoblok, End-Suction Centrifugal Pumps

Characteristic Curves n=2900 rpm



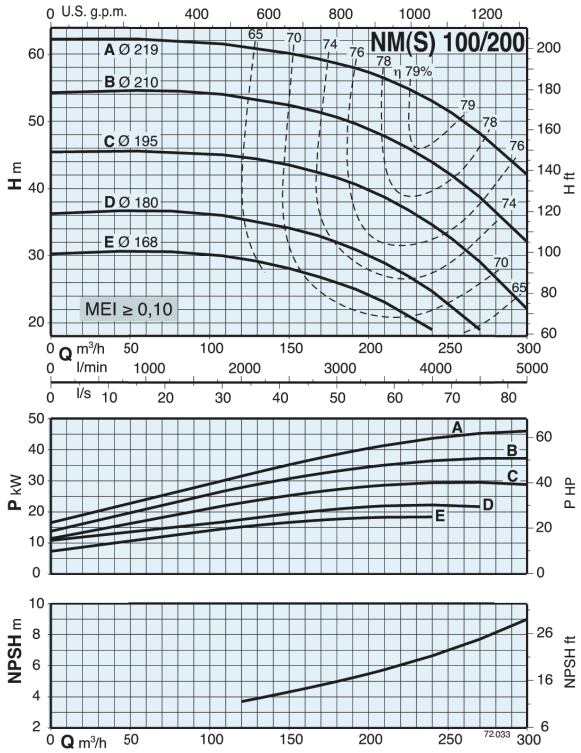


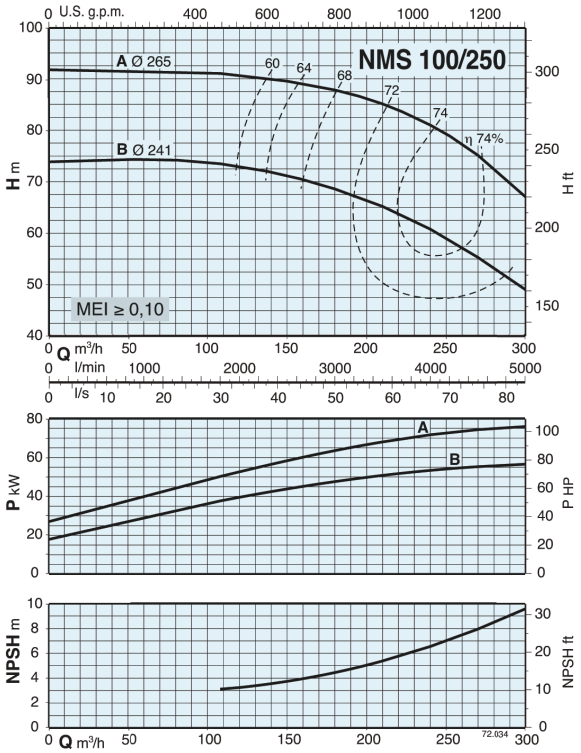


NM / NMS

Horizontal, Monoblok, End-Suction Centrifugal Pumps

Characteristic Curves n=2900 rpm

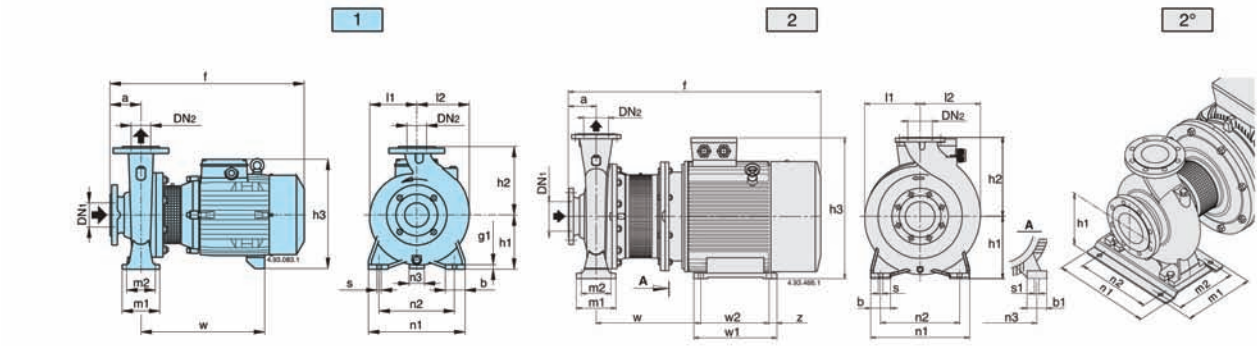




NM / NMS

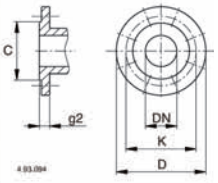
Horizontal, Monoblok, End-Suction Centrifugal Pumps

Dimensions and Weights



Picture	NM	mm																					kg
		DN1	DN2	a	f	h1	h2	h3	h4	m1	m2	n1	n2	n3	z	b	b1	s	s1	l1	l2	w	w1	w2	g1	
1	NM 32/12SE-AE-DE-FE	50	32	80	405	112	140	240	-	100	70	190	140	37	-	50	-	14	-	93	97	245	-	-	12	27-25-24-24
	NM 32/16BE NM 32/16A/A	50	32	80	410 450	132	160	260	-	100	70	240	190	47	-	50	-	14	-	120	120	250 290	-	-	12	34 39
	NM 32/20D/A NM 32/20C/A NM 32/20A/A	50	32	80	450 475 475	160	180	288 298 298	-	100	70	240	190	62 60 60	-	50	-	14	-	140	140	290 295 295	-	-	12	42 52 52,5
	NM 40/12C/A-F/A NM 40/12A/B	65	40	80	410 450	112	140	240	-	100	70	210	160	37	-	50	-	14	-	100	113	250 290	-	-	12	29-27 34
	NM 40/16C/B NM 40/16B/B NM 40/16A/B	65	40	80	450 475 475	132	160	260 270 270	-	100	70	240	190	47 45 45	-	50	-	14	-	119	119	290 295 295	-	-	12	39 48 49,5
	NM 40/20C/A-D/A NM 40/20A/A-AR/A-B/A	65	40	100	495 525	160	180	298 320	-	100	70	265	212	60 49	-	50	-	14	-	140	140	295 320	-	-	12	55,5-55,5 72,5-66-66
	NM 40/25B/B-C/B NM 40/25A/B	65	40	100	640 715	180	225	365	-	125	95	320	250	50	-	65	-	14	-	175	175	410 460	-	-	15	116-110 145,5
	NM 50/12F/B NM 50/12D/B NM 50/12A/B-S/B	65	50	100	470 495 495	132	160	260 270 270	-	100	70	240	190	47 45 45	-	50	-	14	-	121	137	290 295 295	-	-	12	41 50 51,5
	NM 50/16A/B-B/B	65	50	100	525	160	180	320	-	100	70	265	212	49	-	50	-	14	-	127	141	320	-	-	14	70,5-64
	NM 50/20A/B-B/B NM 50/20S/B	65	50	100	640 720	160	200	345	-	100	70	265	212	40	-	50	-	14	-	140	153	410 410	-	-	15	106-100 124,5
	NM 50/25C/B NM 50/25B/B NM 50/25A/B	65	50	100	645 720 720	180	225	365	-	125	95	320	250	50	-	65	-	14	-	175	175	415 465 465	-	-	15	126 144,5 153
	NM 50M/E/A NM 50M/D/A NM 50M/C/A	65	50	100	645 720 720	180	225	365	-	125	95	320	250	50	-	65	-	14	-	175	175	415 465 465	-	-	15	117,5 144 162
	NM 65/12E/A NM 65/12A/A-C/A	80	65	100	495 525	160	180	298 320	-	125	95	280	212	60 49	-	65	-	14	-	134	156	295 320	-	-	15	55,5 73,5-68
	NM 65/16D/A-E/A NM 65/16B/A-C/A NM 65/16A/A	80	65	100	525 640 715	160	200	320 345 345	-	125	95	280	212	49 40 40	-	65	-	14	-	150	172	320 410 460	-	-	15	75-70 106-100 133,5
	NM 65/20C/A NM 65/20B/A	80	65	100	715	180	225	365	-	125	95	320	250	50	-	65	-	14	-	155	175	460	-	-	15	139,5 145
4	NM 65/200A/A	80	65	100	825	202	225	408	22	125	95	320	250	254	20	80	90	18	14	155	175	245	400	360	42°	185
	NM 65/250B/A-C/A	80	65	100	825	202	250	408	2	160	120	360	280	254	20	80	90	18	14	175	190	245	400	360	42°	201-195
1	NM 80/16E/A NM 80/16C/A-D/A NM 80/16B/A NM 80/16A/A	100	80	125	545 670 745 745	180	225	340 365 365 365	-	125	95	320	250	60 50 50 50	-	65	-	14	-	165	193	320 415 465 465	-	-	15	83,5 113-108 142,5 150
4	NM 80/200A/A-B/A	100	80	125	850	202	250	408	22	160	120	345	280	254	20	80	90	18	14	170	194	245	400	360	42°	200-194
	NM 80/250D/A-E/A	100	80	125	850	202	280	408	2	160	120	400	315	254	20	80	90	18	14	191	210	245	400	360	42°	209-203
	NM 100/200E/A NM 100/200C/A-D/A	125	100	125	800 850	200 202	280	345 408	- 2	160	120	360	280	216 254	20 20	80	69 90	18	12 14	180	212	239 245	298 400	258 360	6 42°	179 201-195

Flanges EN 1092-2



mm						
DN	C	K	D	Holes		g2
				N°	Ø	
32	76	100	140	4	19	18
40	84	110	150	4	19	18
50	99	125	165	4	19	20
65	118	145	185	4	19	20
80	132	160	200	8	19	22
100	156	180	220	8	19	24
125	184	210	250	8	19	24

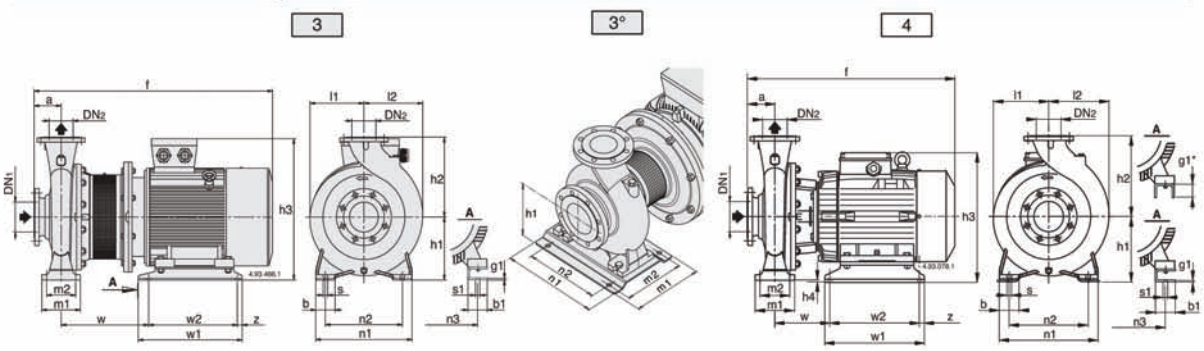
Picture	NMS	mm																						kg
		DN1	DN2	a	f	h1	h2	h3	h4	m1	m2	n1	n2	n3	z	b	b1	s	s1	l1	l2	w	w1	w2	g1	
2	NMS 65/250A	80	65	100	1074	200	250	500	-	160	120	360	280	318	-	80	70	18	19	200	200	406	355	305	-	347
	NMS 80/250C	100	80	125	1099	200	280	500	-	160	120	400	315	318	-	80	70	18	19	200	210	406	355	305	-	
2°	NMS 80/250B	100	80	125	1164	225	280	550	-	298	258	410	315	356	-	-	80	18	19	225	225	445	361	311	-	416
3°	NMS 80/250A	100	80	125	1235	280	280	672	-	260	220	410	315	406	25	-	100	18	24	275	275	443	500	450	8	
2	NMS 100/200B	125	100	125	1099	200	280	500	-	160	120	360	280	318	-	80	70	18	19	200	212	406	355	305	-	345
2°	NMS 100/200A	125	100	125	1164	225	280	550	-	298	258	410	315	356	-	-	80	18	19	225	225	445	361	311	-	409
3°	NMS 100/250B	125	100	140	1250	280	280	672	-	260	220	410	315	440	25	-	100	18	24	275	275	443	500	450	8	512
2°	NMS 100/250A	125	100	140	1324	280	280	712	-	260	220	410	315	457	-	-	100	18	24	275	275	516	479	368	-	

Pumps with packed gland, dimensions available on request (excluded NMS).

B-NM / B-NMS

Horizontal, Monoblok, End-Suction Centrifugal Pumps

Dimensions and Weights

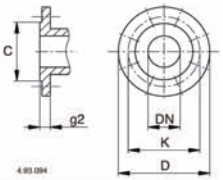


Picture	B- NM	mm																						kg
		DN1	DN2	a	f	h1	h2	h3	h4	m1	m2	n1	n2	n3	z	b	b1	s	s1	l1	l2	w	w1	w2	g1	B-NM
1	B-NM 32/12S-A-D-F	50	32	80	405	112	140	240	-	100	70	190	140	37	-	50	-	14	-	93	97	245	-	-	12	33-32-31-29
	B-NM 32/16B B-NM 32/16A/A	50	32	80	410 450	132	160	260	-	100	70	240	190	47	-	50	-	14	-	120	120	250 290	-	-	12	44 48
	B-NM 32/20D/A B-NM 32/20C/A B-NM 32/20A/A	50	32	80	450 475 475	160	180	288 298 298	-	100	70	240	190	45 60 60	-	50	-	14	-	140	140	290 295 295	-	-	12	52 60 61,5
	B-NM 40/12C-F B-NM 40/12A/A	65	40	80	410 450	112	140	240	-	100	70	210	160	37	-	50	-	14	-	100	113	250 290	-	-	12	35-33 40
	B-NM 40/16C/A B-NM 40/16B/A B-NM 40/16A/A	65	40	80	450 475 475	132	160	260 270 270	-	100	70	240	190	47 45 45	-	50	-	14	-	119	119	290 295 295	-	-	12	48 56 57,5
1*	B-NM 40/20C/A-D/A B-NM 40/200A/A-B/A	65	40	100	495 580	160	180	298 320	-	100	70	265	212	60 49	-	50	-	14	-	140	140	295 375	-	-	12	63,5-62,5 80,5-75
4	B-NM 4025/B/B-C/B B-NM 4025/A/B	65	40	100	635 705	192	225	377	12	125	95	320	250	216	20	65	69	14	12	175	175	174	298	258	6	130-124 159,5
1	B-NM 50/12F/A B-NM 50/12D/A B-NM 50/12A/A-S/A	65	50	100	470 495 495	132	160	260 270 270	-	100	70	240	190	47 45 45	-	50	-	14	-	121	137	290 295 295	-	-	12	52 61 63,5-63,5
1*	B-NM 50/160A/B-B/B	65	50	100	580	160	180	320	-	100	70	265	212	49	-	50	-	14	-	127	141	375	-	-	14	80,5-74,5
4	B-NM 50/200A/B-B/B B-NM 50/200S/B	65	50	100	695 720	192	200	377	32	100	70	265	212	216	20	65	69	14	12	140	153	234	298	258	6	128-121 140,5
	B-NM 5025/C/B B-NM 5025/B/B B-NM 5025/A/B	65	50	100	635 710 710	192	225	377	12	125	95	320	250	216	20	65	69	14	12	175	175	174	298	258	6	135 144 161
	B-NM 5025/65E/A B-NM 5025/65D/A B-NM 5025/65C/A	65	50	100	635 710 710	192	225	377	12	125	95	320	250	216	20	65	69	14	12	175	175	174	298	258	6	135 156,5 161
1*	B-NM 65/125A/A-C/A	80	65	100	580	160	180	320	-	125	95	280	212	49	-	65	-	14	-	134	156	375	-	-	15	93,5-73
	B-NM 65/160D/A-E/A B-NM 65/160C/A	80	65	100	575 660	160	200	320 345	-	125	95	280	212	49 40	-	65	-	14	-	150	172	375 430	-	-	15	83,5-79 108
4	B-NM 65/160B/A B-NM 65/160A/A	80	65	100	695 770	192	200	377	32	125	95	280	212	216	20	65	69	14	12	150	172	234	298	258	6	149 178,5
	B-NM 65/200B/A-C/A B-NM 65/200A/A	80	65	100	775 825	192 202	225	377 408	12 22	125	95	320	250	216 254	20	65	69 90	14	12 14	155	175	239 245	298 400	258 360	6 42*	183-169,5 200
	B-NM 65/250B/A-C/A	80	65	100	825	202	250	408	2	160	120	360	280	254	20	80	90	18	14	175	190	245	400	360	42*	216-210
1*	B-NM 80/160E/A B-NM 80/160D/A	100	80	125	605 685	180	225	340 365	-	125	95	320	250	60 50	-	65	-	14	-	165	193	375 430	-	-	15	108,5 116
4	B-NM 80/160C/A B-NM 80/160B/A B-NM 80/160A/A	100	80	125	725 800 800	192	225	377	12	125	95	340	250	216	20	65	69	14	12	165	193	239	298	258	6	155 175,5 182

Picture	B-NMS	mm																							kg
		DN1	DN2	a	f	h1	h2	h3	h4	m1	m2	n1	n2	n3	z	b	b1	s	s1	l1	l2	w	w1	w2	g1	
2	B-NMS 65/250A	80	65	100	1074	200	250	500	-	160	120	360	280	318	-	80	70	18	19	200	200	406	355	305	-	
3	B-NMS 80/200A-B	100	80	125	936	180	250	387	-	125	95	345	280	254	20	65	60	14	15	175	194	331	350	310	5	
	B-NMS 80/250D-E	100	80	125	936	200	280	407	-	160	120	400	315	254	20	80	60	18	15	191	210	331	350	310	6	
2	B-NMS 80/250C	100	80	125	1099	200	280	500	-	160	120	400	315	318	-	80	70	18	19	200	210	406	355	305	-	
2°	B-NMS 80/250B	100	80	125	1164	225	280	550	-	298	258	410	315	356	-	-	80	18	19	225	225	445	361	311	-	
3°	B-NMS 80/250A	100	80	125	1235	280	280	672	-	260	220	410	315	406	25	-	100	18	24	275	275	443	500	450	8	
3	B-NMS 100/200E	125	100	125	882	200	280	386	-	160	120	360	280	216	20	80	69	18	12	180	212	322	298	258	6	
	B-NMS 100/200C-D	125	100	125	936	200	280	407	-	160	120	360	280	254	20	80	60	18	15	180	212	331	350	310	6	
2	B-NMS 100/200B	125	100	125	1099	200	280	500	-	160	120	360	280	318	-	80	70	18	19	200	212	406	355	305	-	
2°	B-NMS 100/200A	125	100	125	1164	225	280	550	-	298	258	410	315	356	-	-	80	18	19	225	225	445	361	311	-	
3°	B-NMS 100/250B	125	100	140	1250	280	280	672	-	260	220	410	315	440	25	-	100	18	24	275	275	443	500	450	8	
2°	B-NMS 100/250A	125	100	140	1324	280	280	712	-	260	220	410	315	457	-	-	100	18	24	275	275	516	479	368	-	

* Version without coupling guard

Flanges EN 1092-2



mm						
DN	C	K	D	Holes		g2
				N°	Ø	
32	76	100	140	4	19	18
40	84	110	150	4	19	18
50	99	125	165	4	19	20
65	118	145	185	4	19	20
80	132	160	200	8	19	22
100	156	180	220	8	19	24
125	184	210	250	8	19	24

NM / NMS

Horizontal, Monoblok, End-Suction Centrifugal Pumps

Features

Cutting edge hydraulics
The geometry of the impeller and the pump casing are optimized to achieve maximum efficiency and the best suction capability.

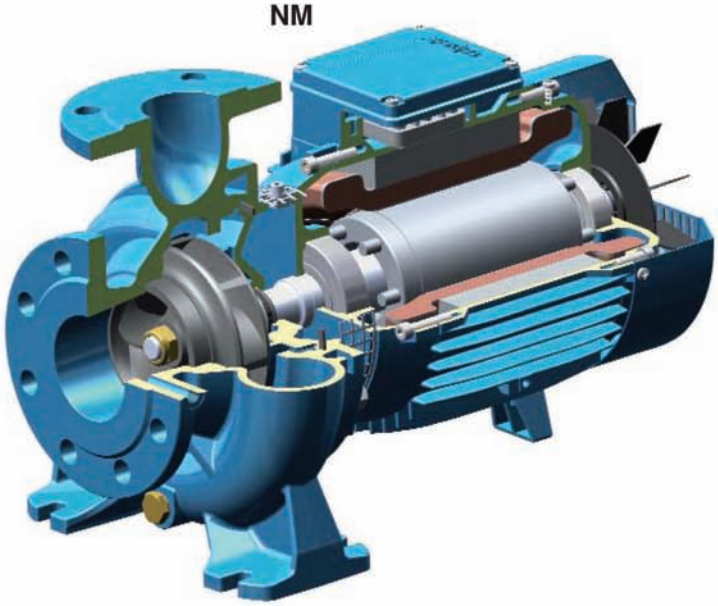
Flexibility
The option to choose between cast iron and bronze materias for the hydraulic parts in contact with the pumped liquid allows NM and NM4 series pumps to be selected for use with different types of liquids.

Compact Design
The compact design allows for easy installtion even in confined spaces.

Exclusive design
An innovative, patented guard prevents contact with rotating parts, proving protection to the end user whilst allowing for inspection of the mechanical seal.

Reliability
The bearing and shaft are designed to ensure the reduction of the stress, providing high reliability under all operating conditions.

NM



Cutting edge hydraulics
The geometry of the impeller and the pump casing are optimized to achieve maximum efficiency and the best suction capability.

Flexibility
The option to choose between cast iron and bronze materias for the hydraulic parts in contact with the pumped liquid allows NMS and NMS4 series pumps to be selected for use with different types of liquids.

New lantern bracket construction
The lantern brackets incorporate a thrust bearing on the hydraulic side which guarantees the elimination of additional loads on the motor bearings. The flange is sized to be used with standard motors B35.

Exclusive design
An innovative, patented guard prevents contact with rotating parts, proving protection to the end user whilst allowing for inspection of the mechanical seal.

Simplified motor maintenance
The presence of the thrust bearing on the hydraulic side makes it easier to remove the motor, facilitating maintenance operations and eliminating the risks of damage to the hydraulic parts.

NMS