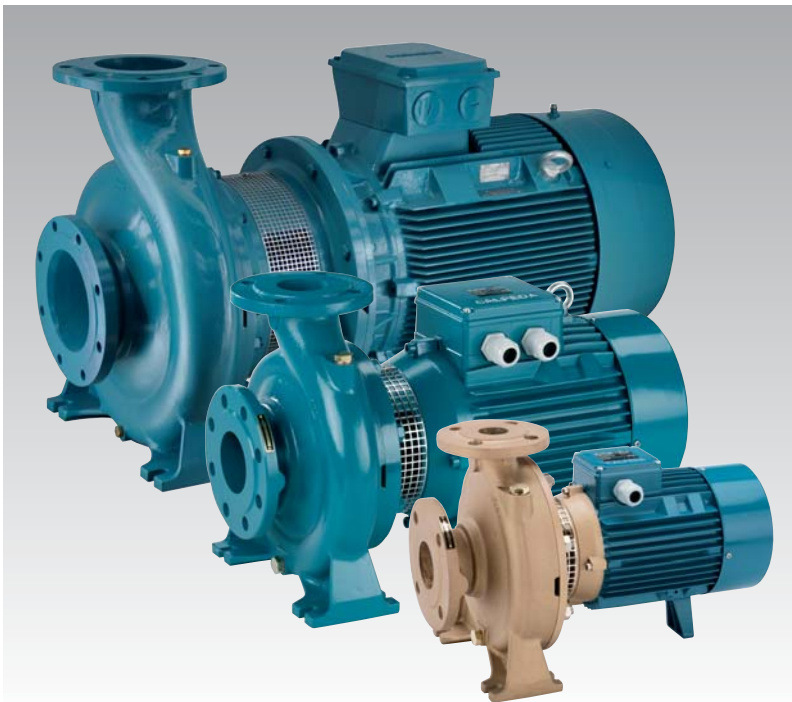


# NM, NMS 60 Hz Close Coupled Centrifugal Pumps with flanged connections



2



## 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 lantern bracket in cast iron.  
 B-NM(S): version with pump casing and lantern 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 100/250	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, 60 Hz (n ≈ 3450 rpm).

**NM, NMS:** three-phase 220/380 V, 380/660 V.

Insulation class F. Protection IP 54.(IP 55 for NMS).

Motor suitable for operation with frequency converter from 2,2 kW.

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

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

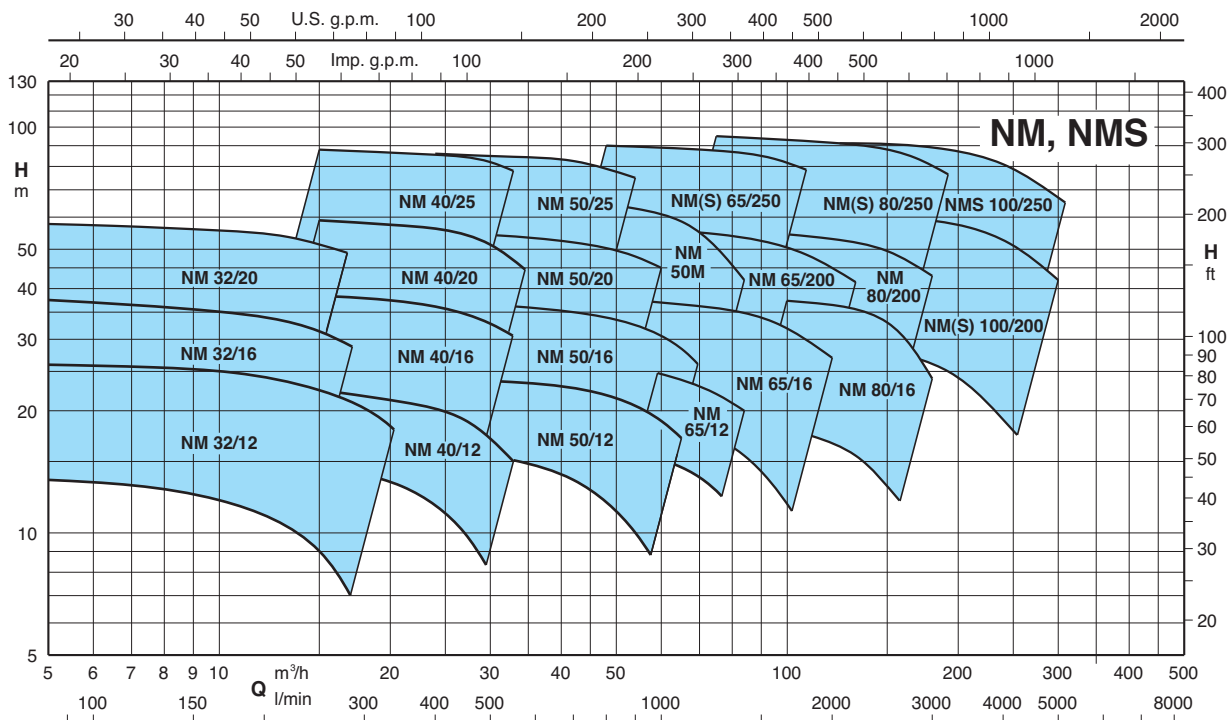
## Special features on request

- Other voltages. - Protection IP 55.
- Bronze impeller. - 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 94/9 EEC (ATEX).
- Higher or lower liquid or ambient temperatures.
- Motor suitable for operation with frequency converter up to 1,5 kW.

## Materials

Components	NM, NMS	B-NM, B-NMS
Pump casing	Cast iron	Bronze
Lantern bracket NM	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
Casing cover for NMS	Cast iron GJL 200 EN 1561	
Lantern bracket NMS	Cast iron GJL 200 EN 1561	
Impeller	Cast iron GJL 200 EN 1561	Bronze G-Cu Sn 10 EN 1982
	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	
Shaft	AISI 303 up to 2.2 kW	Cr Ni Mo steel
	AISI 430 from 3 kW to 75 kW	AISI 316
Mechanical seal	Carbon - Ceramic - NBR	
Counter-flanges	Steel Fe 430B UNI 7070	

## Coverage chart n = 3450 rpm



## Performance n ≈ 3450 rpm

B-NM	NM	P <sub>2</sub>		Q m³/h l/min	6,6	7,5	8,4	9,6	10,8	12	13,2	15	16,8	18,9	21	24	27	30
		kW	HP		H m	110	125	140	160	180	200	220	250	280	315	350	400	450
B-NM 32/12F-60	NM 32/12FE-60	0,55	0,75	H m	17	16,8	16,5	15,9	15,3	14,5	13,6	12,1						
B-NM 32/12D-60	NM 32/12DE-60	0,75	1		18,8	18,5	18,3	17,8	17,2	16,5	15,8	14,4						
B-NM 32/12A-60	NM 32/12AE-60	1,1	1,5		24,3	24,1	23,8	23,4	22,8	22,2	21,4	20,1						
B-NM 32/12S-60	NM 32/12SE-60	1,5	2		25,2	25	24,8	24,3	23,8	23,2	22,5	21,2	19,7*	17,8*	15,6*	12*		
B-NM 32/16B-60	NM 32/16BE-60	1,5	2		31	30,5	30	29,5	29	28	27	25*	23*					
B-NM 32/16A-60/A	NM 32/16A-60/A	2,2	3		36,5	36	35,5	35	34	33	32,5	31*	29*					
B-NM 32/20D-60/A	NM 32/20D-60/A	2,2	3		39	38	37,5	36,9	35	34	32							
B-NM 32/20C-60/A	NM 32/20C-60/A	3	4		45	44,5	44	43	42	41	40	37	34*					
B-NM 32/20A-60/A	NM 32/20A-60/A	4	5,5		57	56,5	56	55,5	55	54	53	51	49*					

B-NM	NM	P <sub>2</sub>		Q m³/h l/min	15	16,8	18,9	21	24	27	30	33	37,8	39	42	45	48	54
		kW	HP		H m	250	280	315	350	400	450	500	550	630	650	700	750	800
B-NM 40/12F-60	NM 40/12F-60/A	1,1	1,5	H m	15,4	14,9	14,3	13,4	11,8	10	7,8	5,6						
B-NM 40/12C-60	NM 40/12C-60/A	1,5	2		18,5	18,1	17,6	17	15,8	14,2	12,4	10,5	6,9					
B-NM 40/12A-60/A	NM 40/12A-60/B	2,2	3		22,5	22,3	21,9	21,4	20,6	19,6	18,3	16,7	13,7	12,9				
B-NM 40/16C-60/A	NM 40/16C-60/B	2,2	3		25,5	25,1	24,4	23,6	22,1	20,1	17,8	15,4	10,6					
B-NM 40/16B-60/A	NM 40/16B-60/B	3	4		31	30,6	30,3	29,6	28,5	27,1	25,4	23,2	19,2	18,1				
B-NM 40/16A-60/A	NM 40/16A-60/B	4	5,5		37,1	36,9	36,5	36,1	35,2	34,3	33,2	31,8	28,8	27,9	25,6	23		
B-NM 40/20C-60/A	NM 40/20C-60/A	4	5,5		44	43	42	41	39	36								
B-NM 40/20B-60/A	NM 40/20B-60/A	5,5	7,5		52	51,5	50,5	49,5	47,5	44,5	40	35						
B-NM 40/200A-60/A	NM 40/20A-60/A	7,5	10		56,5	56	55	54	52	49								
B-NM 40/200A-60/A	NM 40/20A-60/A	7,5	10		59,5	59	58,5	58	56	53,5	50,5	47	38,5					
B-NM 40/25C-60/B	NM 40/25C-60/B	9,2	12,5	65,4	65	64,4	63,5	61,5	58,6	54,2	49							
B-NM 40/25B-60/B	NM 40/25B-60/B	11	15	71,5	71,3	70,8	70,3	68,9	66,4	63,3	59,2	50						
B-NM 40/25A-60/B	NM 40/25A-60/B	15	20	90,4	90,2	89,7	89,1	88,5	87,3	86,1	83,8	78	76					

B-NM	NM	P <sub>2</sub>		Q m³/h l/min	24	27	30	33	37,8	42	48	54	60	66	69	72	75	84
		kW	HP		H m	400	450	500	550	630	700	800	900	1000	1100	1150	1200	1250
B-NM 50/12F-60/A	NM 50/12F-60/B	2,2	3	H m			16,1	15,4	14,2	13	11,1	8,6	5,8					
B-NM 50/12D-60/A	NM 50/12D-60/B	3	4				19,4	19	18	17	15,5	13,5	11,1	8,4				
B-NM 50/12A-60/A	NM 50/12A-60/B	4	5,5				24,8	24,6	24	23,4	22,3	20,8	19	17	16	14,8	13,6	
B-NM 50/160B-60/B	NM 50/16B-60/B	5,5	7,5				35,3	34,9	33,6	32,4	30,1	27,5	24,5	20,9	19	17,1	15,1	
B-NM 50/160A-60/B	NM 50/16A-60/B	7,5	10				42,7	41,6	41,2	40,3	38,5	36,3	33,8	30,9	29,4	27,8	26,1	20,4
B-NM 50/200B-60/B	NM 50/20B-60/B	9,2	12,5		51	50,6	50,4	49,8	48,5	47,1	44	40,5	36	30,2	27,3			
B-NM 50/200A-60/B	NM 50/20A-60/B	11	15		57,6	57,7	57,3	56,9	55,7	54,6	52,2	49,5	46	41,8	39	36,2	33,2	
B-NM 50/25C-60/B	NM 50/25C-60/B	11	15		61,9	61,2	60,3	59,3	57,2	55	50	44	36,5					
B-NM 50/25B-60/B	NM 50/25B-60/B	15	20		74,6	73,9	73,2	72	70,1	68,1	64,3	59,3	52,8	43,8				
B-NM 50/25A-60/B	NM 50/25A-60/B	18,5	25		87,6	87,3	86,9	86,2	84,7	83	79,8	76	72	66,9				
B-NM 50/25/65E-60/A	NM 50M/E-60/A	11	15			47,5	47	46	45	42	38,5	34	29	26	24	20		
B-NM 50/25/65D-60/A	NM 50M/D-60/A	15	20			58	57,5	56	55	53	50,5	47,5	44	42	40	36,5	25*	
B-NM 50/25/65C-60/A	NM 50M/C-60/A	18,5	25			69	68,5	67,5	66,5	64,5	62,5	60,5	57,5	56	54	51	42*	

B-NM	NM	P <sub>2</sub>		Q m³/h l/min	37,8	42	48	54	60	66	75	84	96	108	120	132	150	168
		kW	HP		H m	630	700	800	900	1000	1100	1250	1400	1600	1800	2000	2200	2500
B-NM 65/12E-60/A	NM 65/12E-60/A	4	5,5	H m	19	18,5	18	17	16	15	13*							
B-NM 65/125C-60/A	NM 65/12C-60/A	5,5	7,5		23	22,5	22	21,5	21	19,5	17,5	15*						
B-NM 65/125A-60/A	NM 65/12A-60/A	7,5	10		27	26,5	26	25,5	25	24	22	19,5*						
B-NM 65/160E-60/A	NM 65/16E-60/A	5,5	7,5				20	19,5	19	18	17	15	13*	10*				
B-NM 65/160D-60/A	NM 65/16D-60/A	7,5	10				26	25,5	25	24,5	23,5	22	19,5*	16,5*	13*			
B-NM 65/160C-60/A	NM 65/16C-60/A	9,2	12,5				30	29,5	29	28,5	27,5	26,5	24*	21*	18*			
B-NM 65/160B-60/A	NM 65/16B-60/A	11	15				33,5	33	32,5	32	31	29,5	28*	25*	22,5*			
B-NM 65/160A-60/A	NM 65/16A-60/A	15	20				37,5	37	37	36,5	36	34,5	33*	30*	27*			
B-NM 65/200C-60/A	NM 65/20C-60/A	15	20				44	43,5	43	42,5	41	40	37,5*	35*	31*	27*		
B-NM 65/200B-60/A	NM 65/20B-60/A	18,5	25				49,5	49	48,5	48	47,5	46,5	44,5*	42*	38,5*	35*		
B-NM 65/200A-60/A	NM 65/200A-60/A	22	30			56	55,5	55	54,5	54	53,5	51*	48*	45*	41*			
B-NM 65/250C-60/A	NM 65/250C-60/A	22	30			64	63	62,5	61,5*	60*	57,5*	54,5*	50*					
B-NM 65/250B-60/A	NM 65/250B-60/A	30	40			79,5	79	78,5	78*	77*	75*	71*	66,5*					
B-NMS 65/250A-60	NMS 65/250A-60	37	50			90	89,5	89	88,5*	87*	86*	83*	78,5*					

### Performance n ≈ 3450 rpm

B-NM	NM	P <sub>2</sub>		Q m <sup>3</sup> /h l/min	H m															
		kW	HP		75	84	96	108	120	132	150	168	180	192	210	240	270	300		
B-NM 80/160E-60/A	NM 80/16E-60/A	7,5	10	19,5	19	18	17,5*	16,5*	15*	13*										
B-NM 80/160D-60/A	NM 80/16D-60/A	9,2	12,5	23	22,5	22	21*	19,5*	18*	15*										
B-NM 80/160C-60/A	NM 80/16C-60/A	11	15	27,5	27	25,5	25*	24,5*	23*	20*	16*									
B-NM 80/160B-60/A	NM 80/16B-60/A	15	20	34	33,5	33	32,5*	31,5*	31*	28*	22,5*	18*								
B-NM 80/160A-60/A	NM 80/16A-60/A	18,5	25	38,5	38	37,5	37*	36,5*	36*	33*	28,5*	24*								
B-NMS 80/200B-60	NM 80/200B-60/A	22	30	46,5	46	45,5	44,5	43,5*	42*	39*	35*	32*								
B-NMS 80/200A-60	NM 80/200A-60/A	30	40	56	55,5	55	54	53,5*	52*	49*	46*	43*								
B-NMS 80/250E-60	NM 80/250E-60/A	22	30	51	50	48,5	46,5	44,5*	42*	38*	33*	29*								
B-NMS 80/250D-60	NM 80/250D-60/A	30	40	65	64	62,5	61	59*	56,5*	53*	49*	45*	41*							
B-NMS 80/250C-60	NMS 80/250C-60	37	50	73,5	73	72	70,5	69*	67*	63*	59*	55*	51*							
B-NMS 80/250B-60	NMS 80/250B-60	45	60	84	83,5	82,5	81	80*	78*	74*	70*	67*	62,5*							
B-NMS 80/250A-60	NMS 80/250A-60	55	75	94,5	94	93	92,5	91,5*	90*	87,5*	84*	80*	76,5*							
B-NMS 100/200E-60	NM 100/200E-60/A	18,5	25				30	29,5	29	28	27	26*	24,5*	22,5*	19*					
B-NMS 100/200D-60	NM 100/200D-60/A	22	30				36	35,5	35	34	33	32*	31*	29*	24*					
B-NMS 100/200C-60	NM 100/200C-60/A	30	40				45	44,5	44	43	42,5	41*	40*	39*	34*	28*				
B-NMS 100/200B-60	NMS 100/200B-60	37	50				54	53,5	53	52,5	51,5	50*	49*	47,5*	43*	38*				
B-NMS 100/200A-60	NMS 100/200A-60	45	60				61,5	61	60,5	60	59,5	59*	58*	56*	52,5*	48*	42*			
B-NMS 100/250B-60	NMS 100/250B-60	55	75				73,5	73	72,5	71,5	70	69*	67*	65*	60*	55*	48*	42*		
B-NMS 100/250A-60	NMS 100/250A-60	75	100				90,5	90	90	89	88,5	87,5*	87*	85*	81*	75*	67*	67*		

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

P<sub>2</sub> Rated motor power output.  
 H Total head in m.

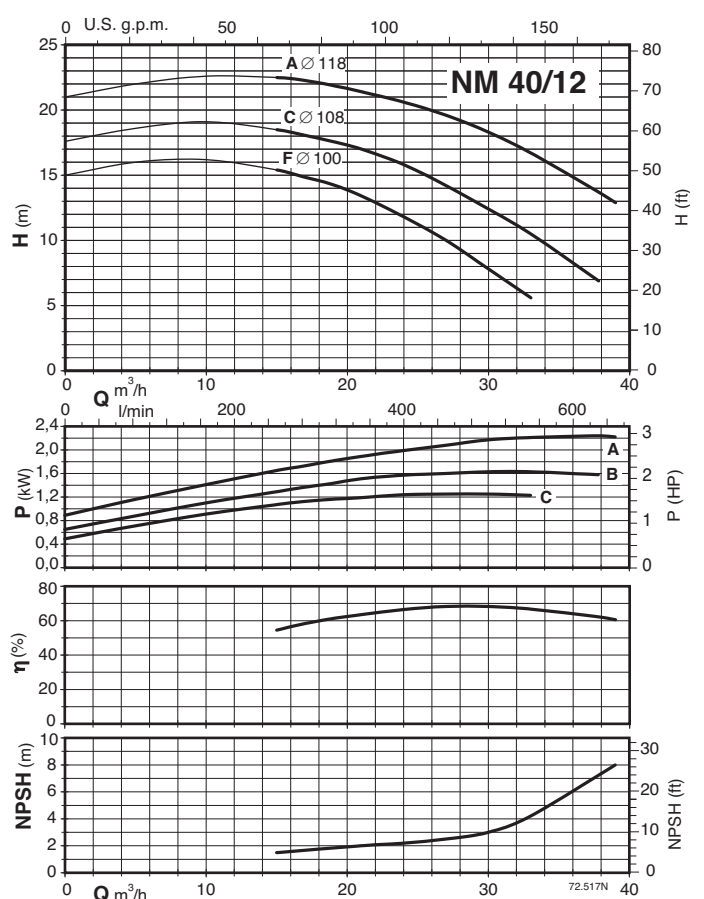
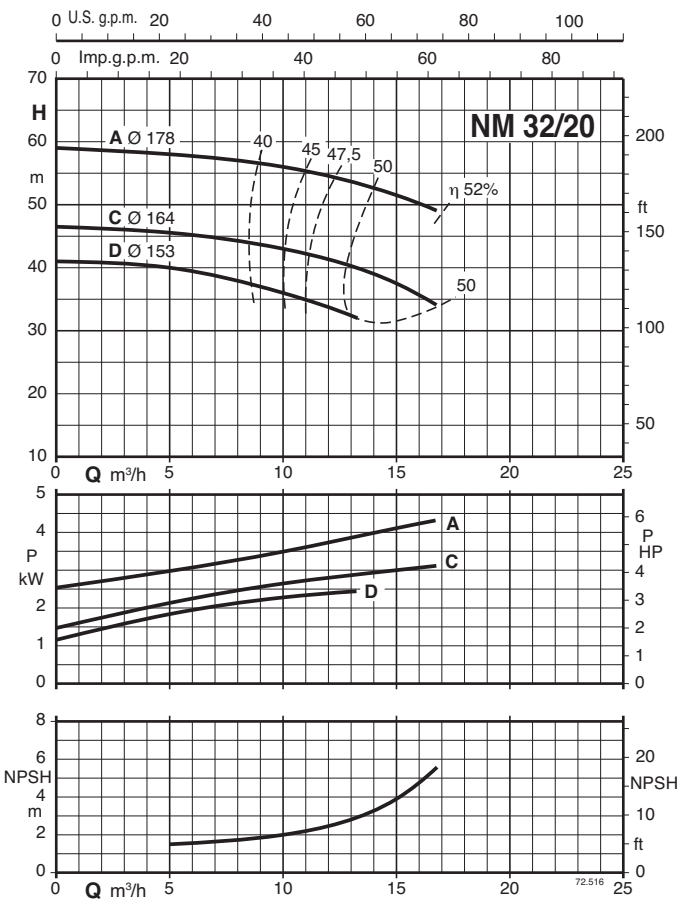
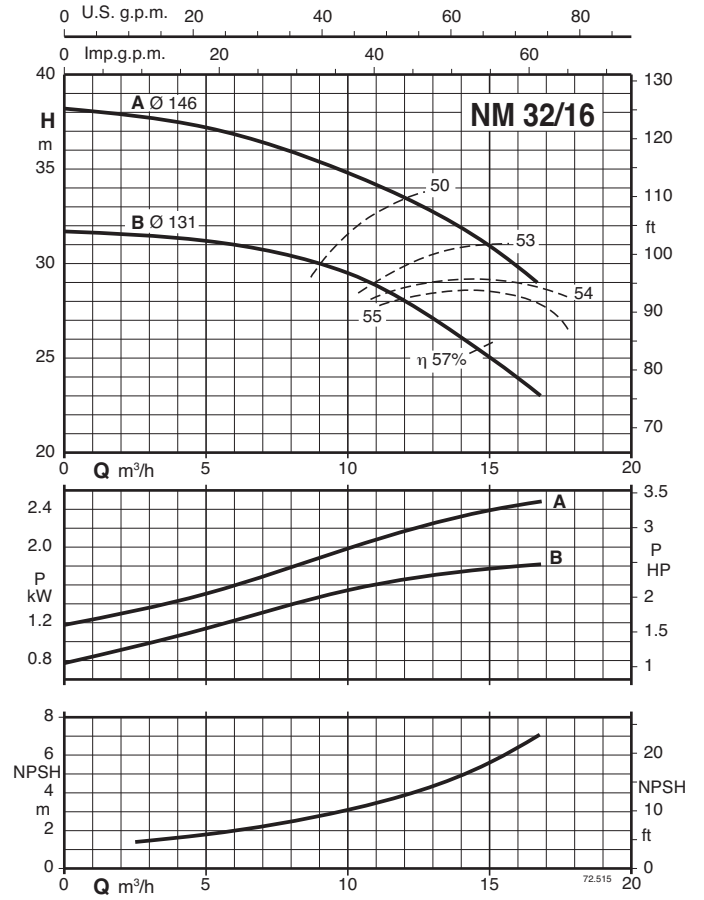
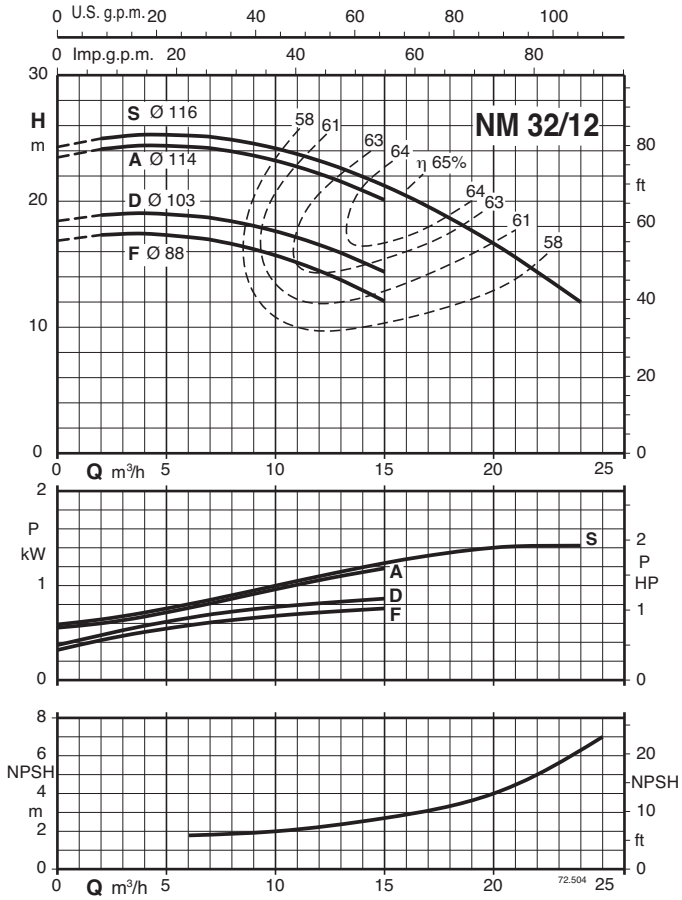
\* Maximum suction lift 1-2 m.  
 ◦ With 1 m suction head.  
 Tolerances according to UNI EN ISO 9906:2012.

### Rated currents

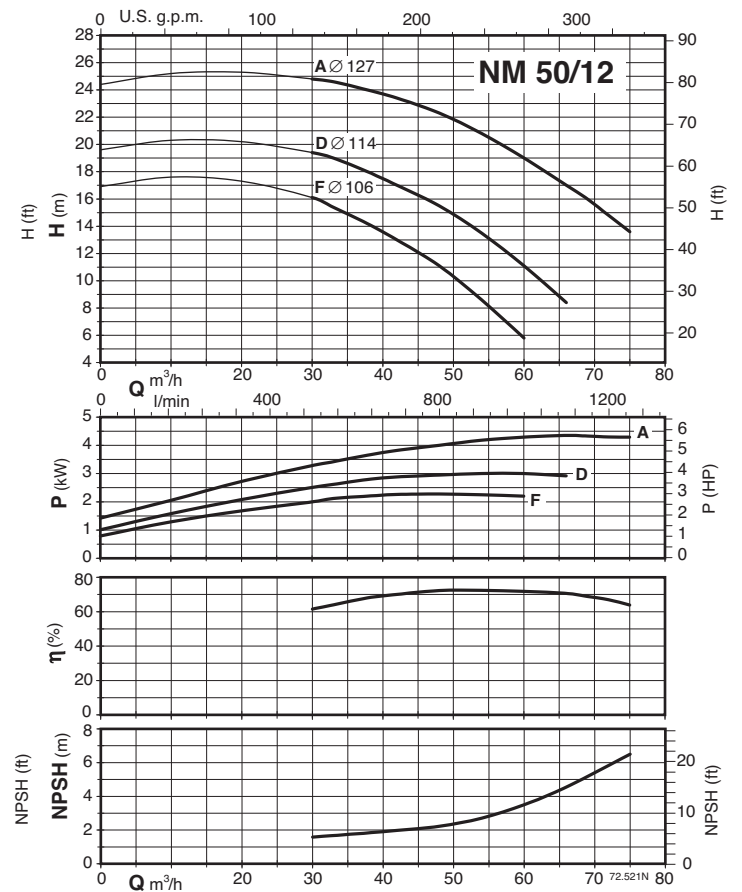
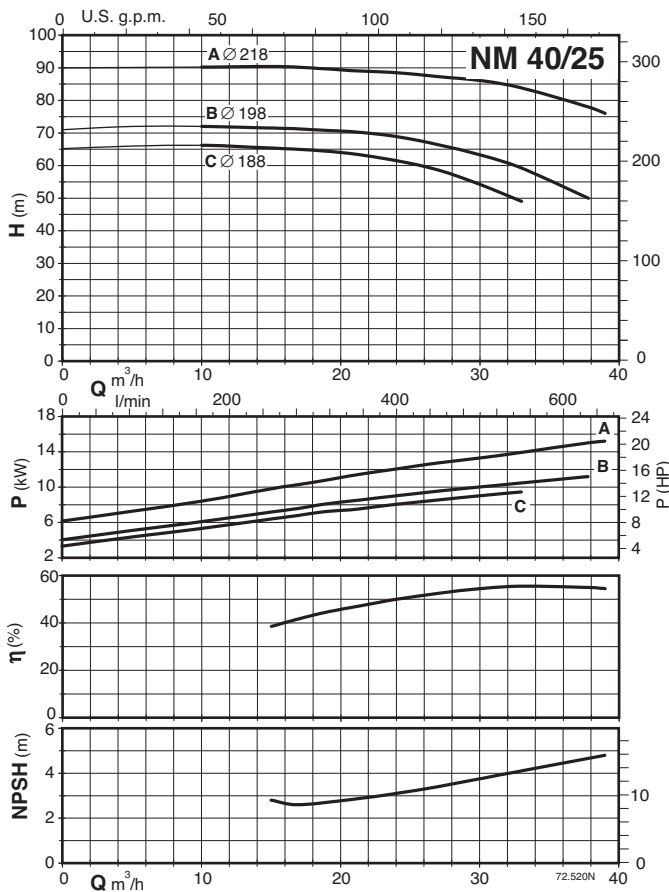
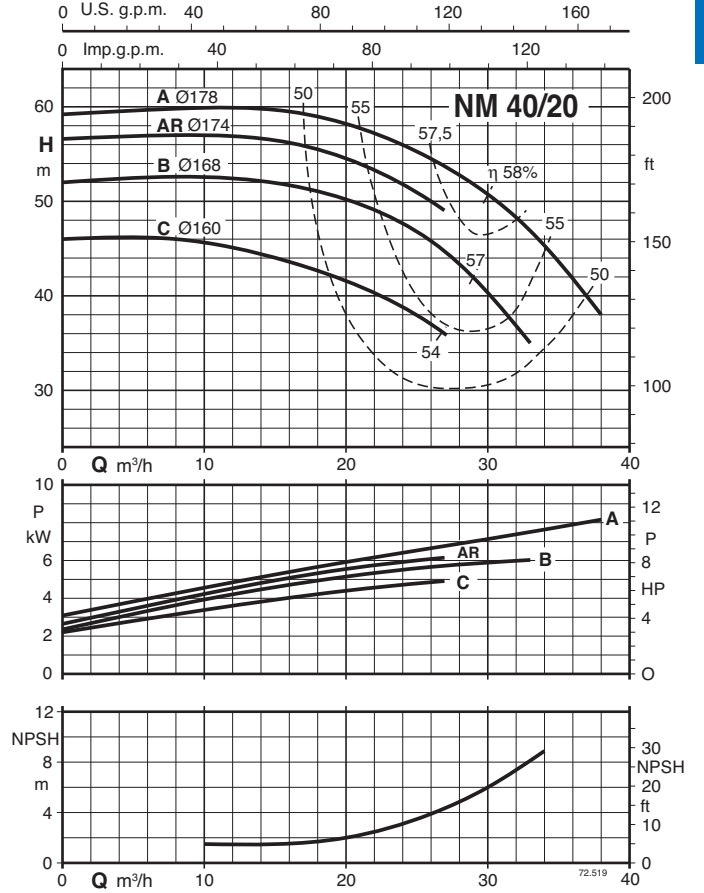
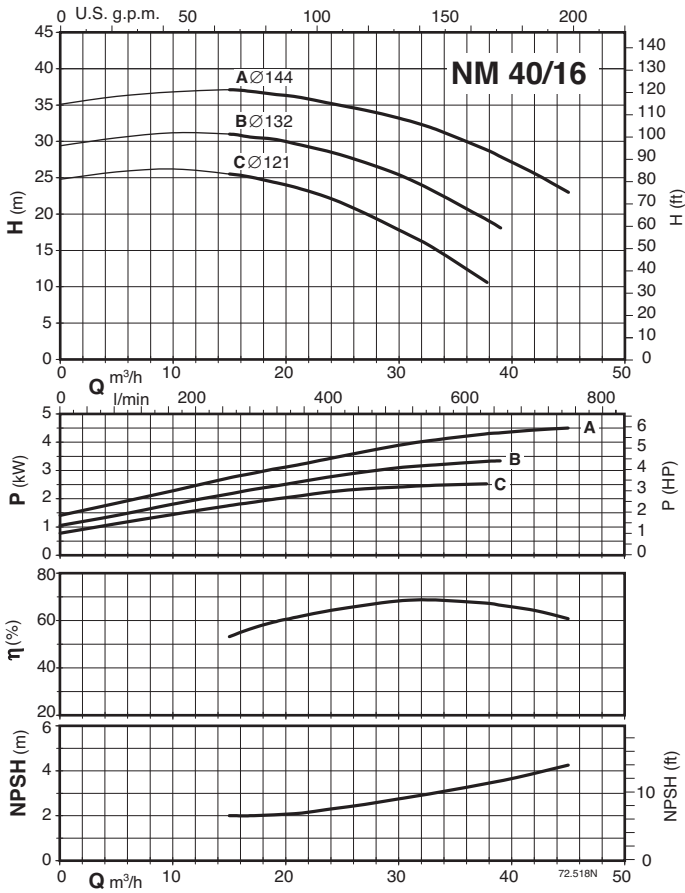
P <sub>2</sub>		220V Δ / 380V Y 380V Δ / 660V Y			I <sub>A</sub> /I <sub>N</sub>
kW	HP	I <sub>N</sub> A	I <sub>N</sub> A	I <sub>N</sub> A	
0,55	0,75	4,5	2,6		5,2
0,75	1	4,5	2,6		5,2
1,1	1,5	5,7	3,3		6,8
1,5	2	9	5,2		5,4
2,2	3	11,1	6,5		7,3
3	4	13,4	7,7		8,4
4	5,5		11,2	6,5	7,8
5,5	7,5		13,7	7,9	8,7
7,5	10		17	9,8	9,2
9,2	12,5		22	12,7	8,2
11	15		25,8	14,9	8,5
15	20		33,2	19,2	9,4
18,5	25		41,2	23,8	9,3
22	30		49,8	28,8	10,6
30	40		65,4	37,8	8,7
37	50		82	47	8,5
45	60		97	56	8
55	75		119	68,5	7,2
75	100		157	90	6

P<sub>2</sub> Rated motor power output.  
 I<sub>A</sub>/I<sub>N</sub> D.O.L. starting current / Rated current

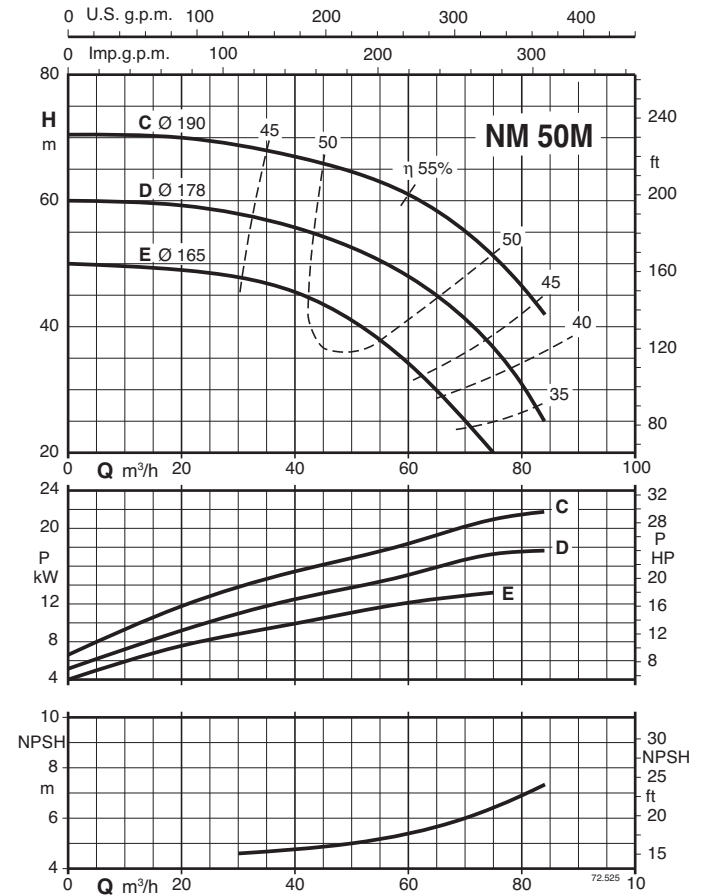
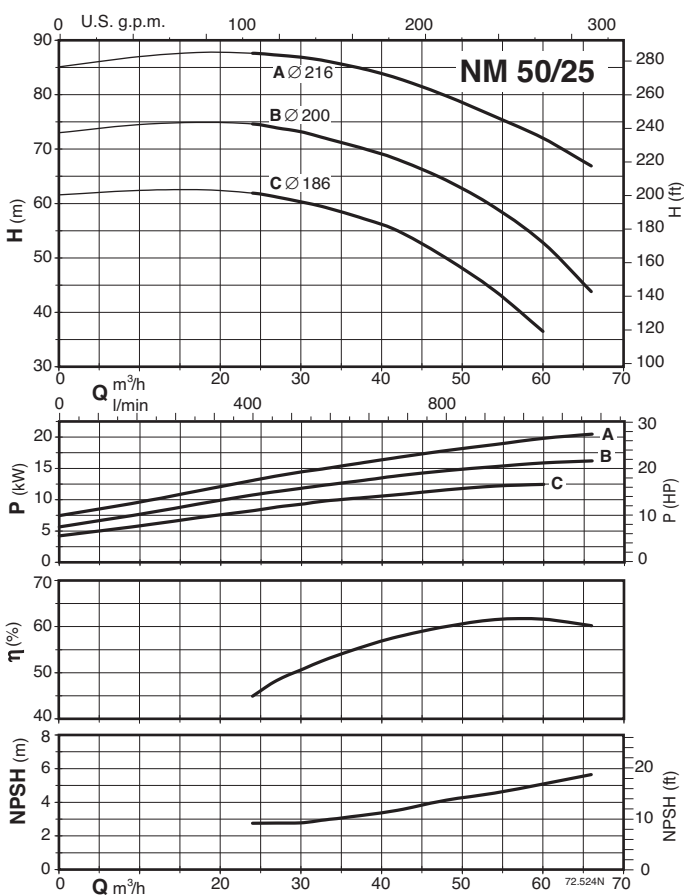
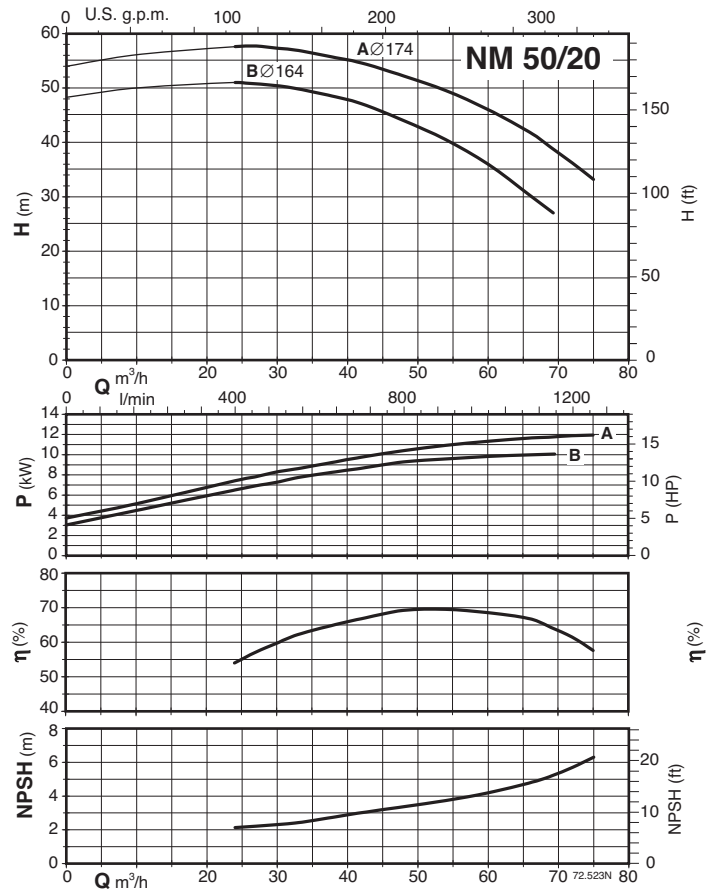
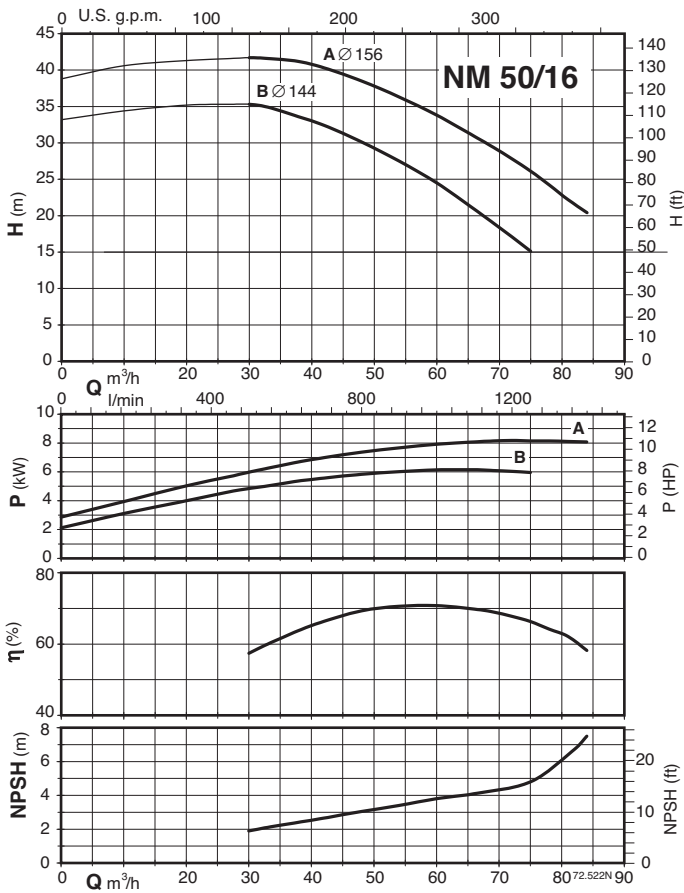
## Characteristic curves n = 3450 rpm



## Characteristic curves n = 3450 rpm



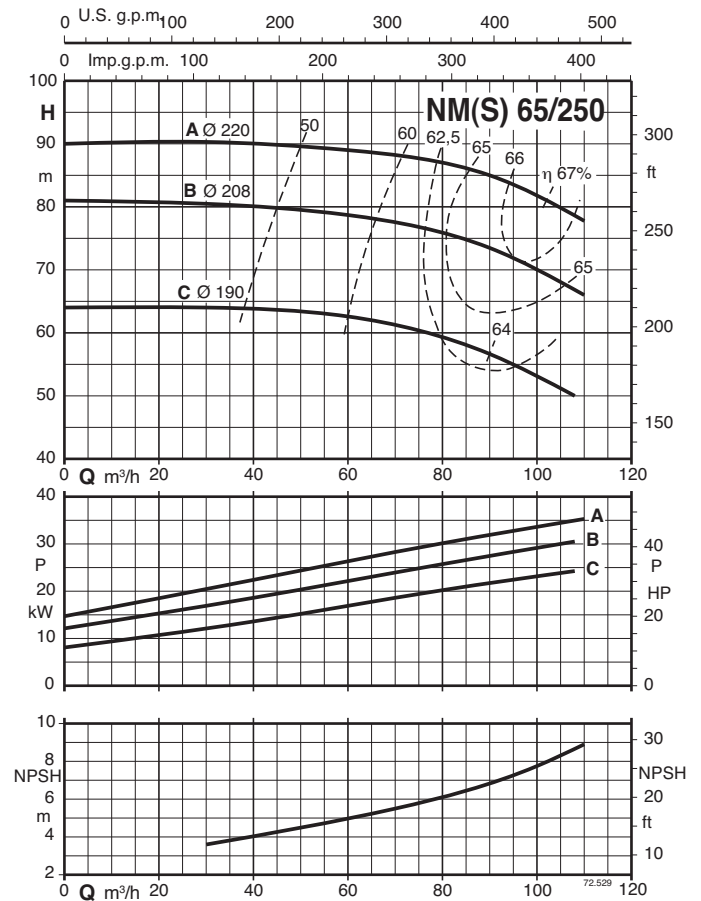
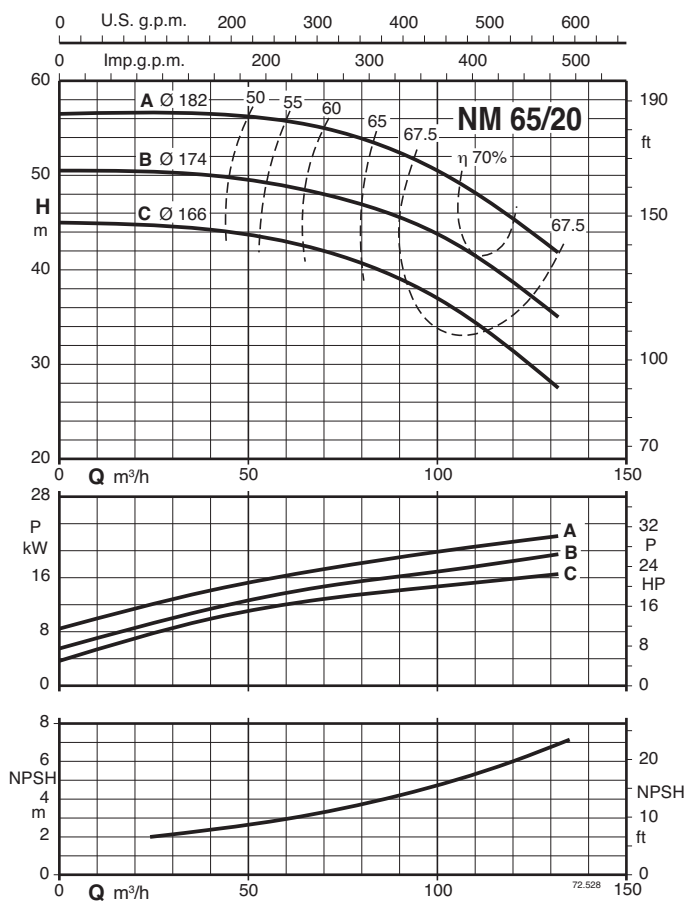
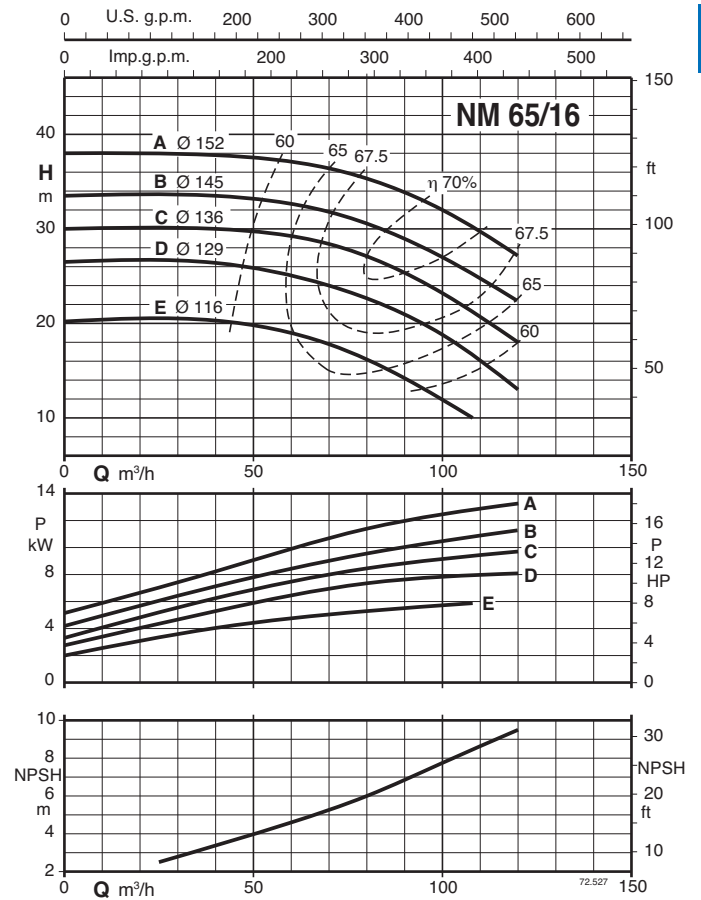
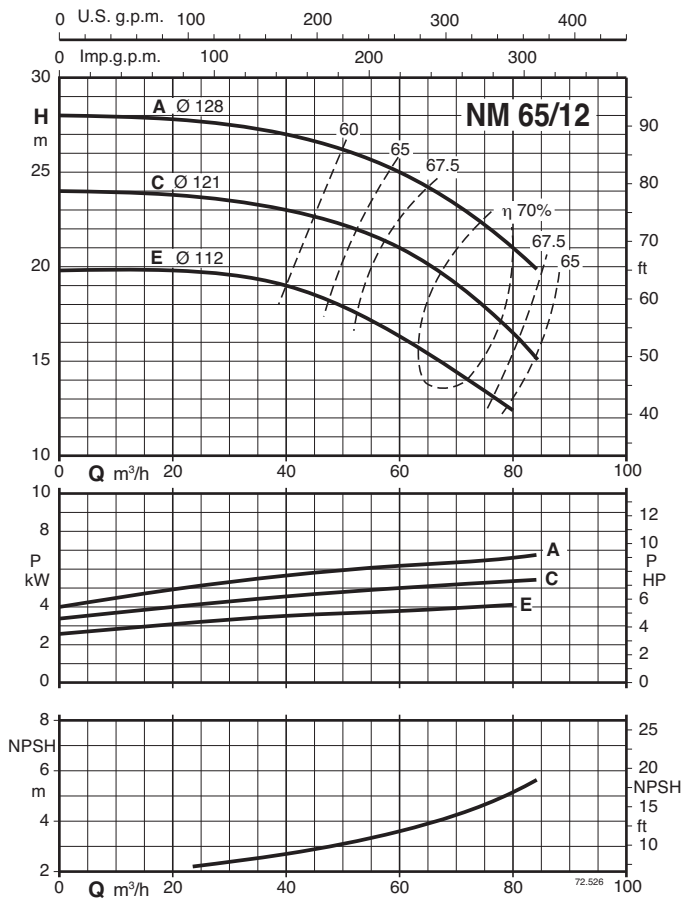
## Characteristic curves n = 3450 rpm



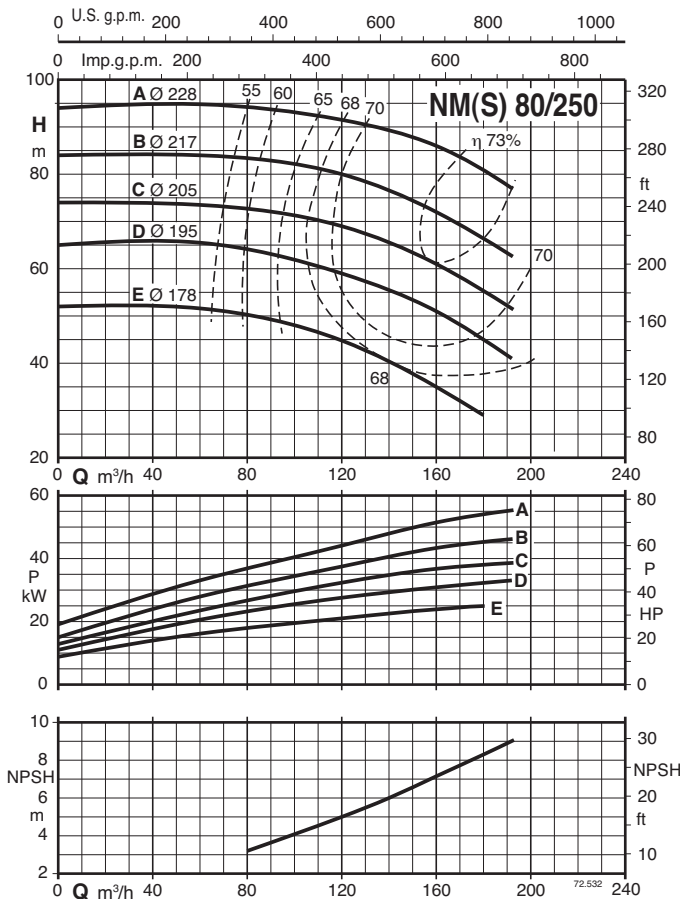
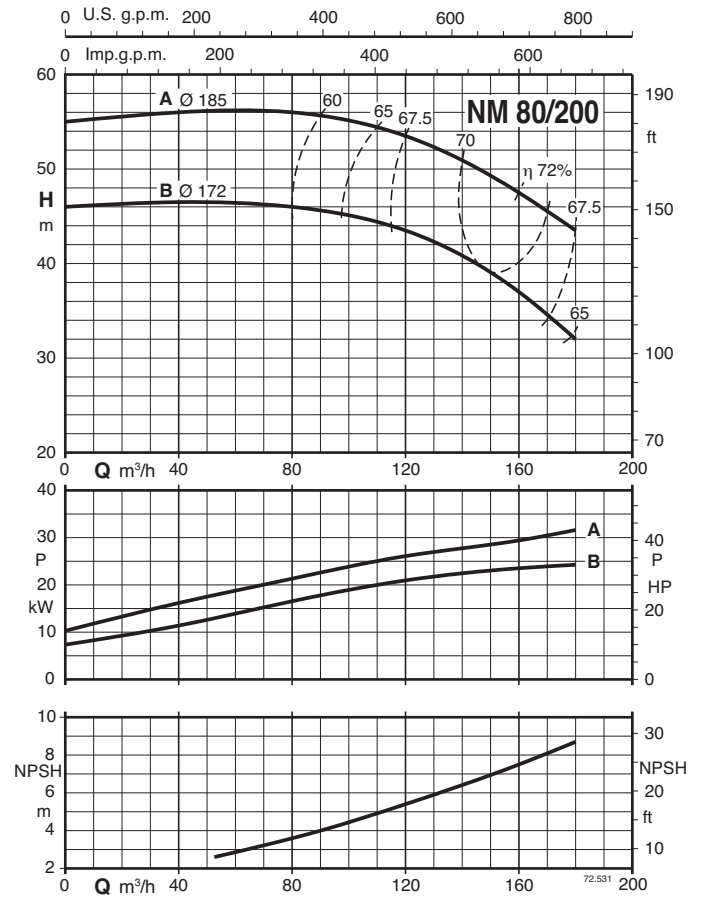
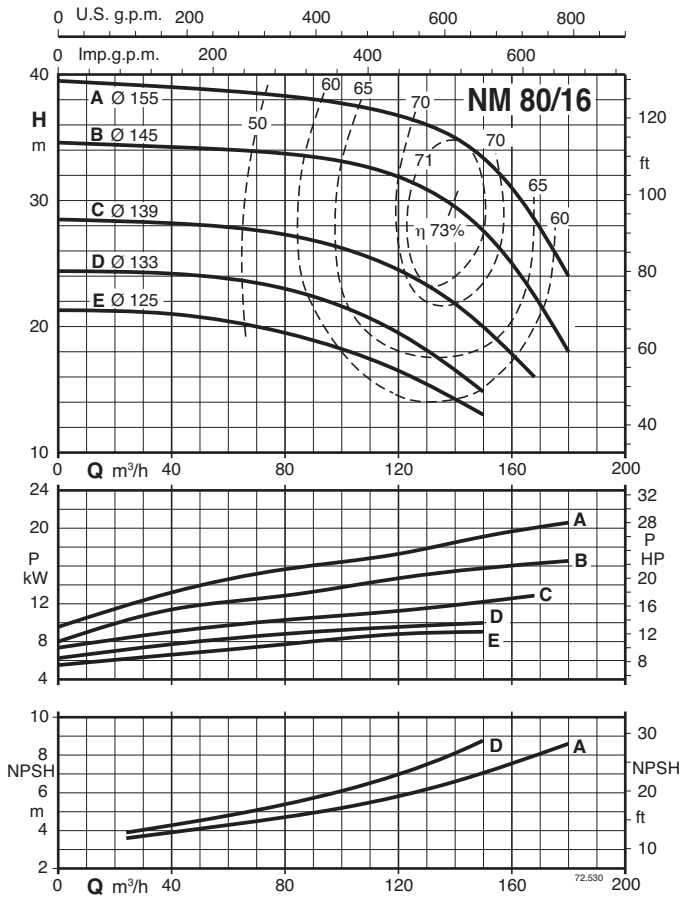


## Characteristic curves n = 3450 rpm

2

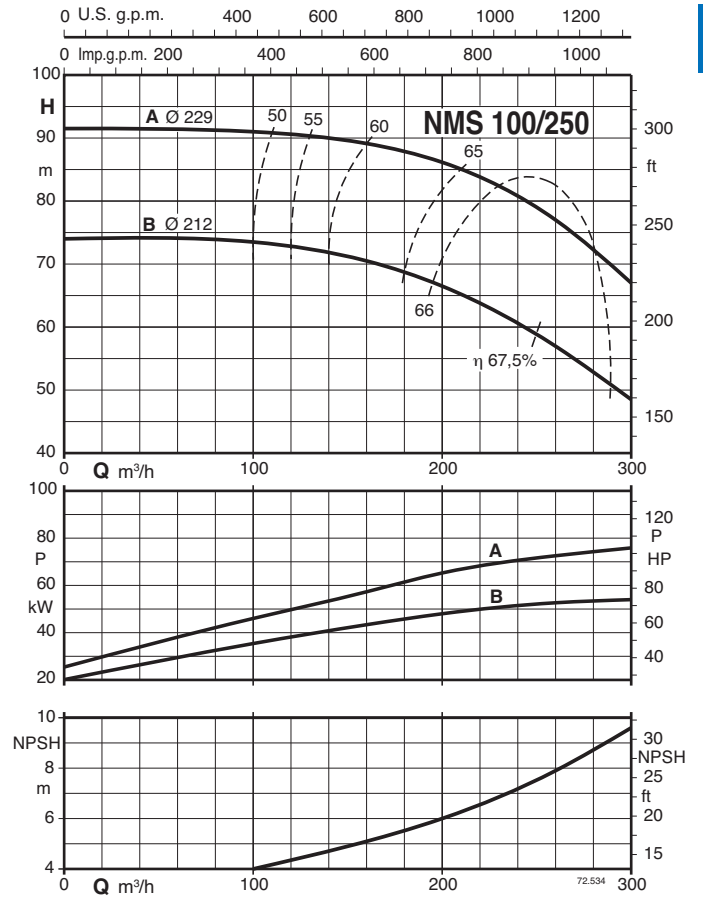
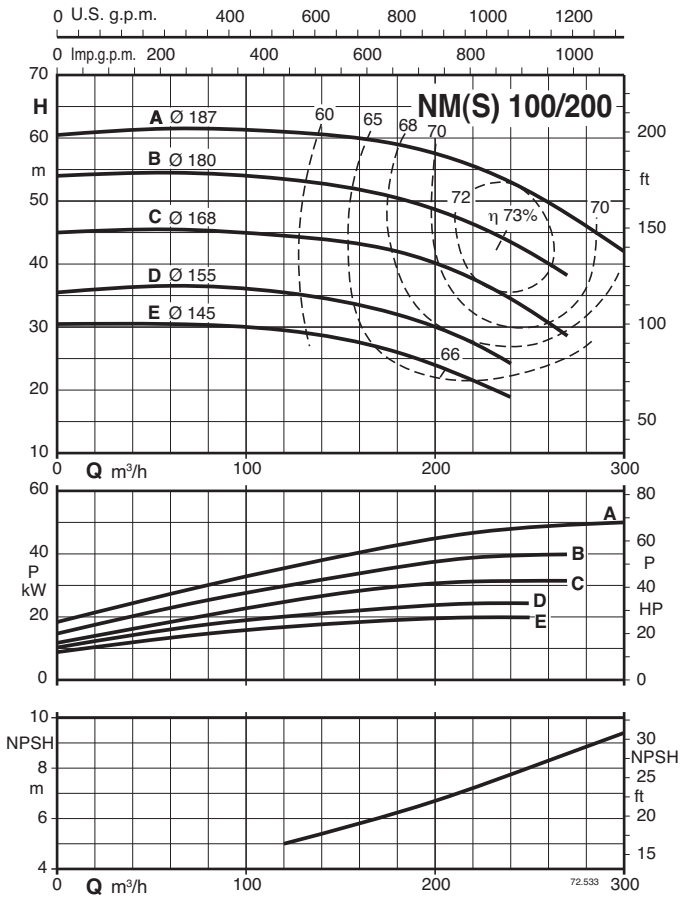


## Characteristic curves n = 3450 rpm

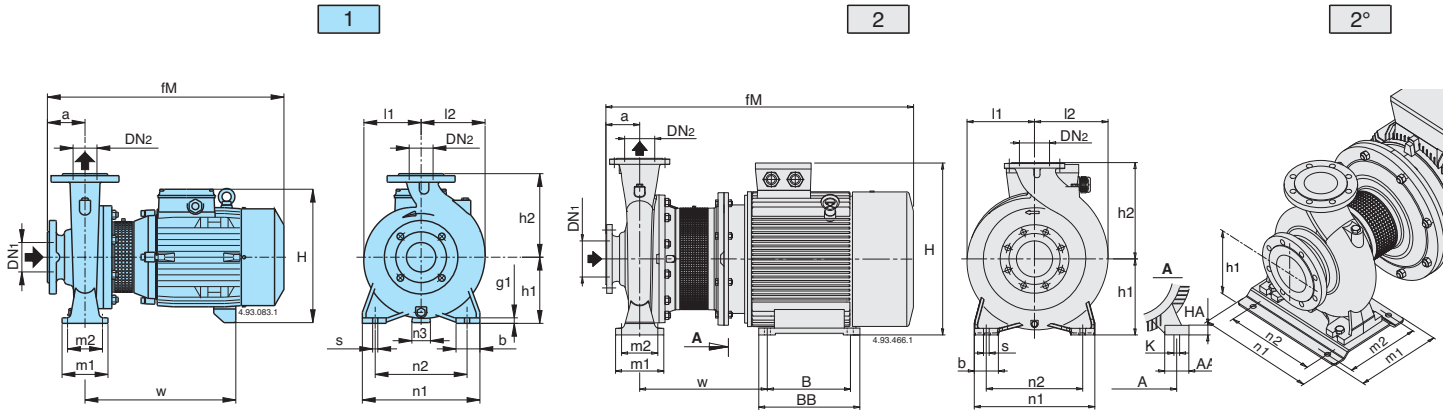




#### Characteristic curves n = 3450 rpm

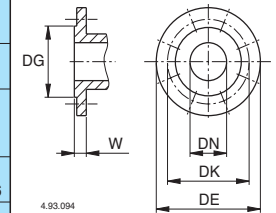


## Dimensions and weights



Picture	NM	mm																						kg					
		DN1	DN2	a	fM	h1	h2	H	h4	m1	m2	n1	n2	n3	n5	w1	b	b1	s	s1	l1	l2	w		m4	m5	g1	g2	
1	NM 32/12DE-60-FE-60 NM 32/12SE-60-AE-60	50	32	80	405	112	140	240	-	100	70	190	140	37	-	-	50	-	14	-	93	97	245	-	-	12	-	24-24 27-25	
	NM 32/16BE-60 NM 32/16A-60/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-60/A NM 32/20C-60/A NM 32/20A-60/A	50	32	80	450 475 475	160	180	288 298	-	100	70	240	190	62 60	-	-	50	-	14	-	140	140	290 295 295	-	-	12	-	42 52 52,5	
	NM 40/12C-60/A-F-60/A NM 40/12A-60/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-60/B NM 40/16B-60/B NM 40/16A-60/B	65	40	80	450 475 475	132	160	260 270	-	100	70	240	190	47 45	-	-	50	-	14	-	119	119	290 295 295	-	-	12	-	39 48 49,5	
	NM 40/20C-60/A-D-60/A NM 40/20A-60/A-AR-60/A-B-60/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-60/B-C-60/B NM 40/25A-60/B	65	40	100	640 715	180	225	365	-	125	95	320	250	50	-	-	65	-	14	-	175	175	400 460	-	-	15	-	116-110 145,5	
	NM 50/12F-60/B NM 50/12D-60/B NM 50/12A-60/B	65	50	100	470 495 495	132	160	260 270	-	100	70	240	190	47 45	-	-	50	-	14	-	121	137	290 295 295	-	-	12	-	41 50 51,5	
	NM 50/16A-60/B-B-60/B NM 50/20A-60/B-B-60/B	65	50	100	525 640	160	180	320 345	-	100	70	265	212	49	-	-	50	-	14	-	127	141	320	-	-	14	-	70,5-64 106-100	
	NM 50/25C-60/B NM 50/25B-60/B NM 50/25A-60/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-60/A NM 50M/D-60/A NM 50M/C-60/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-60/A NM 65/12A-60/A-C-60/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-60/A-E-60/A NM 65/16B-60/A-C-60/A NM 65/16A-60/A	80	65	100	525 640 715	160	200	320 345	-	125	95	280	212	49 40	-	-	65	-	14	-	150	172	320 410 460	-	-	15	-	75-70 106-100 133,5	
	NM 65/20C-60/A NM 65/20B-60/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-60/A NM 65/250B-60/A-C-60/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°	185 201-195
	1	NM 80/16E-60/A NM 80/16C-60/A-D-60/A NM 80/16B-60/A NM 80/16A-60/A	100	80	125	545 670 745 745	180	225	340 365 365	-	125	95	320	250	60 50 50	-	-	65	-	14	-	165	193	320 415 465 465	-	-	15	-	83,5 113-108 142,5 150
	4	NM 80/200A-60/A-B-60/A NM 80/250D-60/A-E-60/A NM 100/200E-60/A NM 100/200C-60/A-D-60/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°	200-194 209-203 179 201-195

Flanges EN 1092-2

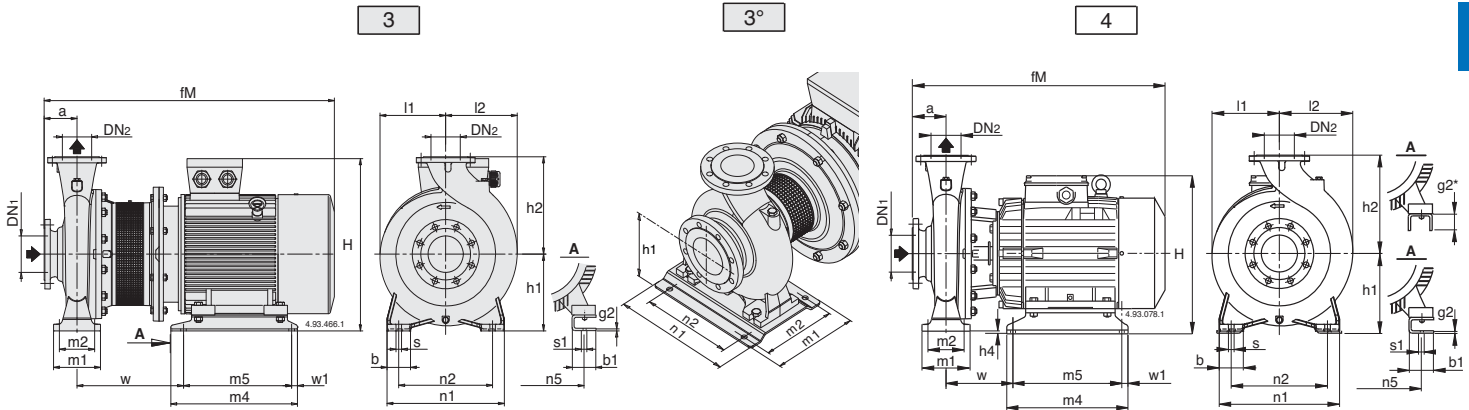


mm					
DN	DG	DK	DE	Holes	W
				N°	Ø
32	76	100	140	4	19 18
40	84	110	150	4	19 18
50	99	125	165	4	19 20
65	118	145	185	4	19 20
80	132	160	200	8	19 22
100	156	180	220	8	19 24
125	184	210	250	8	19 24

Picture	NMS	mm																						kg							
		DN1	DN2	a	fM	h1	h2	H	m1	m2	n1	n2	A	n5	w1	b	AA	b1	s	K	s1	l1	l2		w	BB	m4	B	m5	HA	g2
2	NMS 65/250A-60 NMS 80/250C-60	80	65	100	1074	200	250	500	160	120	360	280	318	-	-	80	70	-	18	19	-	200	200	406	355	-	305	-	25	-	347
2°	NMS 80/250B-60	100	80	125	1164	225	280	550	298	258	410	315	356	-	-	80	70	-	18	19	-	225	225	445	361	-	311	-	34	-	416
3°	NMS 80/250A-60	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-60	125	100	125	1099	200	280	500	160	120	360	280	318	-	-	80	70	-	18	19	-	200	212	406	355	-	305	-	25	-	345
2°	NMS 100/200A-60	125	100	125	1164	225	280	550	298	258	410	315	356	-	-	80	70	-	18	19	-	225	225	445	361	-	311	-	34	-	409
3°	NMS 100/250B-60	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-60	125	100	140	1324	280	280	712	260	220	410	315	457	-	-	100	70	-	18	24	-	275	275	516	479	-	368	-	40	-	

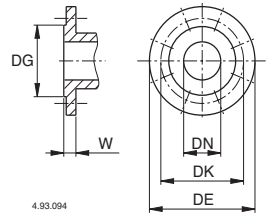
Pumps with packed gland, dimensions available on request (excluded NMS).

Dimensions and weights



Picture	B- NM	mm																					kg						
		DN1	DN2	a	fm	h1	h2	H	h4	m1	m2	n1	n2	n3	n5	w1	b	b1	s	s1	l1	l2	w	m4	m5	g1	g2	B-NM	
1	B-NM 32/12S-60-A-60-D-60-F-60	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-60	50	32	80	410	132	160	260	-	100	70	240	190	47	-	-	50	-	14	-	120	120	250	-	-	12	-	44	
	B-NM 32/16A-60/A	50	32	80	450	132	160	260	-	100	70	240	190	47	-	-	50	-	14	-	120	120	290	-	-	12	-	48	
	B-NM 32/20D-60/A	50	32	80	450	160	180	288	-	100	70	240	190	45	-	-	50	-	14	-	140	140	290	-	-	12	-	52	
	B-NM 32/20C-60/A				295																		60					60	61.5
	B-NM 32/20A-60/A				295																		60					298	298
B-NM 40/12C-60-F-60	65	40	80	410	112	140	240	-	100	70	210	160	37	-	-	50	-	14	-	100	113	250	-	-	12	-	35-33		
B-NM 40/12A-60/A				290																		40					40		
B-NM 40/16C-60/A				290																		48					48		
B-NM 40/16B-60/A	65	40	80	475	132	160	270	-	100	70	240	190	45	-	-	50	-	14	-	119	119	295	-	-	12	-	56		
B-NM 40/16A-60/A				295																		57.5					57.5		
B-NM 40/20C-60/A-D-60/A				295																		60					60		
B-NM 40/200A-60/A-B-60/A	65	40	100	495	160	180	298	-	100	70	265	212	60	-	-	50	-	14	-	140	140	295	-	-	12	-	63,5-62,5		
B-NM 40/200A-60/A-B-60/A				320																		80,5-75					80,5-75		
B-NM 40/200A-60/A-B-60/A				580																		80,5-75					80,5-75		
4	B-NM 40/25A-60/B	65	40	100	635	192	225	377	12	125	95	320	250	-	216	20	65	69	14	12	175	175	174	298	258	-	6	130-124	
	B-NM 40/25A-60/B				705																		159,5					159,5	
1	B-NM 50/12F-60/A	65	50	100	470	132	160	260	-	100	70	240	190	45	-	-	50	-	14	-	121	137	290	-	-	12	-	52	
	B-NM 50/12D-60/A				495																		61					61	
	B-NM 50/12A-60/A				495																		63,5					63,5	
4	B-NM 50/160A-60/B-B-60/B	65	50	100	580	160	180	320	-	100	70	265	212	49	-	-	50	-	14	-	127	141	375	-	-	14	-	80,5-74,5	
	B-NM 50/200A-60/B-B-60/B				695																		128-121					128-121	
	B-NM 50/25C-60/B				635																		135					144	
	B-NM 50/25B-60/B				710																		144					161	
	B-NM 50/25A-60/B				710																		161					161	
1*	B-NM 65/125A-60/A-C-60/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-60/A-E-60/A				575																		83,5-79					83,5-79	
	B-NM 65/160C-60/A				660																		108					108	
	B-NM 65/160B-60/A				695																		149					149	
4	B-NM 65/160A-60/A	80	65	100	770	192	200	377	32	125	95	280	212	-	216	20	65	69	14	12	150	172	234	298	258	-	6	178,5	
	B-NM 65/200B-60/A-C-60/A				825																		183-169,5					183-169,5	
	B-NM 65/200A-60/A				825																		200					200	
	B-NM 65/250B-60/A-C-60/A				825																		216-210					216-210	
1*	B-NM 80/160E-60/A	100	80	125	605	180	225	340	-	125	95	320	250	60	-	-	65	-	14	-	165	193	375	-	-	15	-	108,5	
	B-NM 80/160D-60/A				685																		116					116	
4	B-NM 80/160C-60/A	100	80	125	725	192	225	377	12	125	95	340	250	-	216	20	65	69	14	12	165	193	239	298	258	-	6	155	
	B-NMS 100/200E-60				800																		175,5					175,5	
	B-NM 80/160A-60/A				800																		182					182	

Flanges EN 1092-2



mm						
DN	DG	DK	DE	Holes	W	
				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	B-NMS	mm																				kg									
		DN1	DN2	a	fm	h1	h2	H	m1	m2	n1	n2	A	n5	w1	b	AA	b1	s	K	s1	l1	l2	w	BB	m4	B	m5	HA	g2	
2	B-NMS 65/250A-60	80	65	100	1074	200	250	500	160	120	360	280	318	-	-	80	70	-	18	19	-	200	200	406	355	-	305	-	25	-	
3	B-NMS 80/200A-60-B-60	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-60-E-60	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-60	100	80	125	1099	200	280	500	160	120	400	315	318	-	-	80	70	-	18	19	-	200	210	406	355	-	305	-	25	-	
2°	B-NMS 80/250B-60	100	80	125	1164	225	280	550	298	258	410	315	356	-	-	80	-	60	18	19	-	225	225	445	361	-	311	-	34	-	
3°	B-NMS 80/250A-60	100	80	125	1235	280	280	672	260	220	410	315	-	406	25	-	100	18	-	18	19	-	275	275	443	-	500	-	450	-	8
3	B-NMS 100/200E-60	125	100	125	882	200	280	386	160	120	360	280	-	216	20	80	-	60	18	-	12	180	212	322	-	298	-	258	-	6	
	B-NMS 100/200C-60-D-60	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-60	125	100	125	1099	200	280	500	160	120	360	280	318	-	-	80	70	-	18	19	-	200	212	406	355	-	305	-	25	-	
2°	B-NMS 100/200A-60	125	100	125	1164	225	280	550	298	258	410	315	356	-	-	80	-	60	18	19	-	225	225	445	361	-	311	-	34	-	
3°	B-NMS 100/250B-60	125	100	140	1250	280	280	672	260	220	410	315	-	440	25	-	100	18	-	18	19	-	275	275	443	-	500	-	450	-	8
2°	B-NMS 100/250A-60	125	100	140	1324	280	280	712	260	220	410	315	457	-	-	100	-	60	18	24	-	275	275	516	479	-	368	-	40	-	

\* Version without coupling guard

### 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 materials 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 installation even in confined spaces.

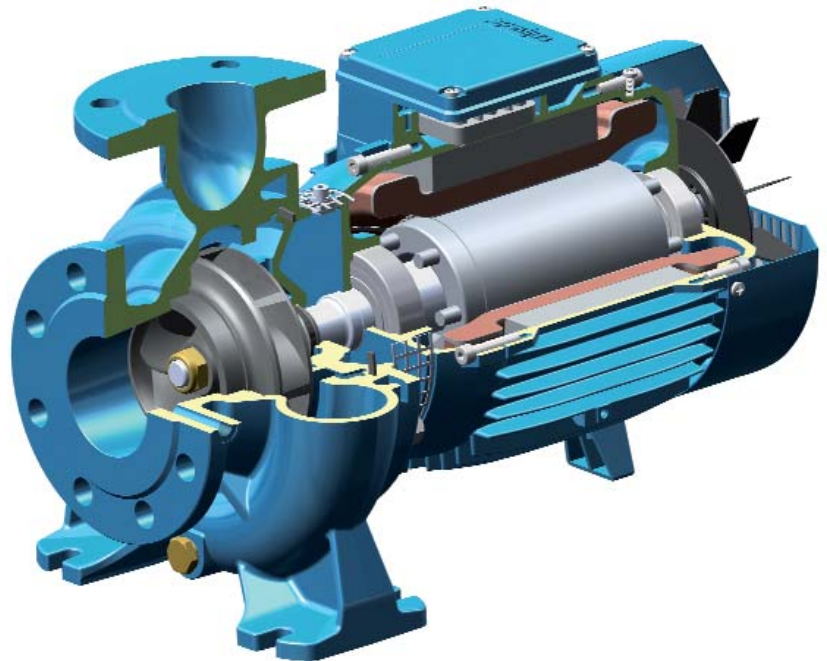
#### Exclusive design

An innovative, patented guard prevents contact with rotating parts, providing 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



NMS

#### 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 materials 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, providing 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.

