



Construction

Close-coupled self-priming centrifugal pumps with built-in strainer.

Applications

For water circulation in swimming pool filtration systems.
For clean or slightly dirty water with solids in suspension.

Operating conditions

Liquid temperature up to 60° C.
Ambient temperature up to 40° C.
Total suction lift up to 7 m.
Maximum permissible working pressure up to 6 bar.
Continuous duty.

Motor

2-pole induction motor, 50 Hz (n = 2900 rpm).
NMP: three-phase 230/400 V ± 10% up to 3 kW;
400/690 V ± 10% from 4 to 11 kW;
NMPM: single-phase 230 V ± 10%, with thermal protector.
Insulation class F.
Protection IP 54.
Constructed in accordance with: IEC 60034.

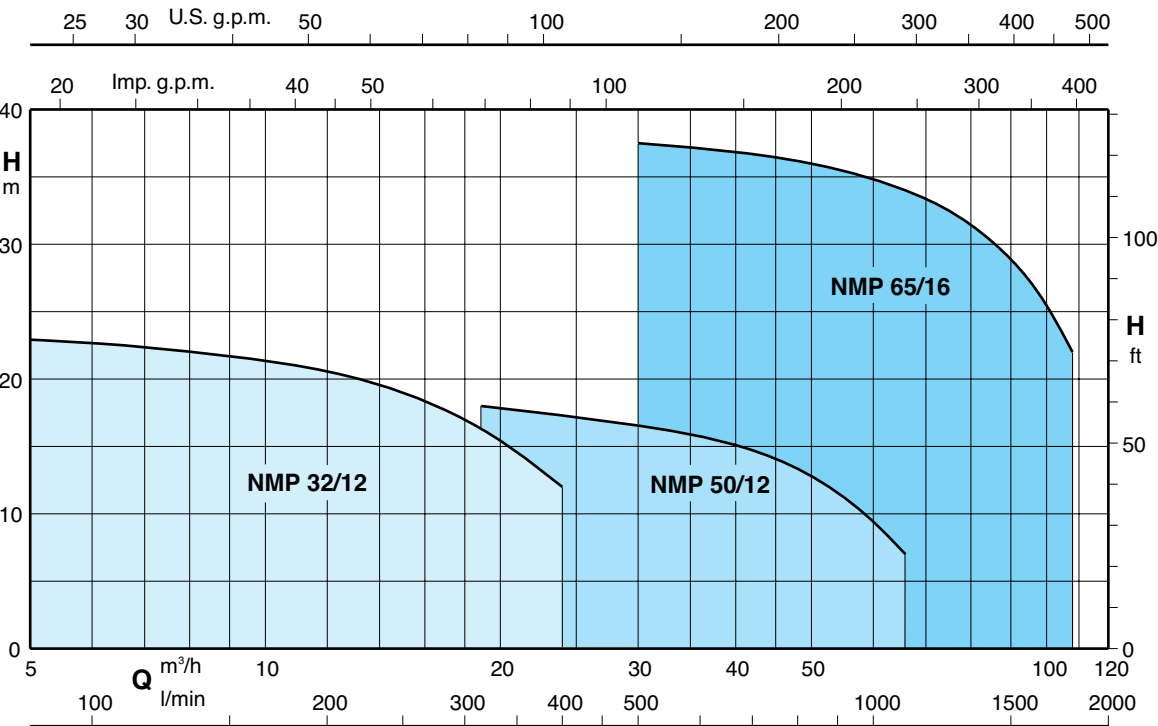
Special features on request

- Other voltages.
- Frequency 60 Hz (as per 60 Hz data sheet).
- Protection IP 55.
- Special mechanical seal
- Higher liquid or ambient temperatures.

Materials

Components	NMP	B-NMP
Pump casing	Cast iron	Bronze
Lantern bracket	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
Impeller	Cast iron	Bronze
	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
	Brass P- Cu Zn 40 Pb 2 UNI 5705 for NMP 32/12	
Shaft	Chrome-nickel steel	Cr-Ni-Mo steel
	1.4305 EN 10088 (AISI 303)	1.4401 EN 10088 (AISI 316)
Strainer cover	Cast iron	Bronze
	GJL 200 EN 1561	G-Cu Sn 10 EN 1982
Strainer	Chrome-nickel steel 1.4301 EN 10088 (AISI 304)	
Mechanical seal	Carbon - Ceramic - FPM	

Coverage chart n ≈ 2900 rpm



Performance $n \approx 2900$ rpm

3 ~	230V 400V		1 ~	230V P ₁		P ₂		Q m ³ /h l/min	6,6	9,6	10,8	12	13,2	15	18,9	21	24	30	42	48	54	60	66	75	84	96	108
	A	A		A	kW	kW	HP		110	160	180	200	220	250	315	350	400	500	700	800	900	1000	1100	1250	1400	1600	1800
B-NMP 32/12FE	4	2,3	B-NMPM 32/12FE	4,5	0,8	0,55	0,75	H m	13	12	11	10,5	10	9													
B-NMP 32/12DE	4	2,3				0,55	0,75		12	11	10	9,5	9	8													
B-NMP 32/12AE	5	2,9	B-NMPM 32/12DE	5,8	1,3	0,75	1		18	17	16	15,5	15	14													
						1,1	1,5		17	16	15	14,5	14	13													
B-NMP 32/12SE	7,5	4,3	B-NMPM 32/12AE	7,4	1,85	1,1	1,5		22	21	20,5	20	19,5	18,5													
						1,1	1,5		21,5	20,5	19,5	19	18,5	17,5													
B-NMP 50/12HE	5	2,9	B-NMPM 50/12HE	7,4	1,85	1,1	1,5		16*	15*	12*																
B-NMP 50/12GE	7,5	4,3				1,1	1,5		9	9	8,5	7,5	5,5	4,5	3												
B-NMP 50/12FE	9,15	5,3	B-NMPM 50/12GE	9,2	2	2,2	3		12	12	11,5	10,5	8	7	5	3,5*											
B-NMP 50/12DE	11,5	6,6				3	4		16	16	15,5	14,5	12	10,5	8,5	6,5*	5*										
B-NMP 65/16FE		9,6				4	5,5		18	18	17,5	16,5	15	13	11,5	9,5*	7*										
B-NMP 65/16EE		12				5,5	7,5																				
B-NMP 65/16DE		16				7,5	10																				
B-NMP 65/16CE		20				9,2	12,5																				
B-NMP 65/16AE		24				11	15																				

P₁ Maximum power input.

B-NMP = Bronze construction.

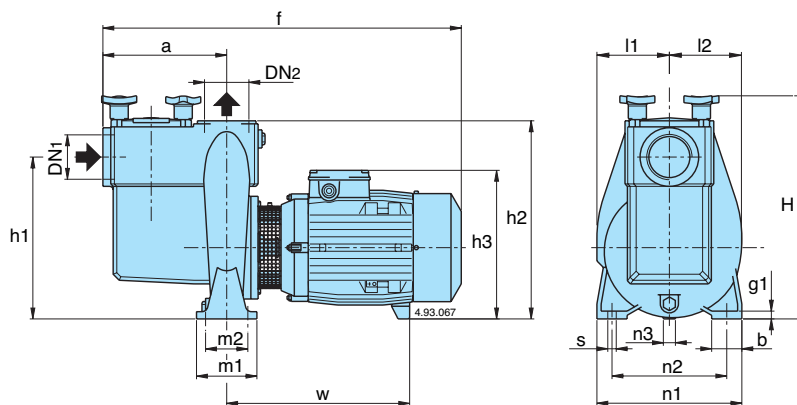
* Maximum suction lift 2-3 m.

P₂ Rated motor power output.

H Total head in m.

Tolerances according to ISO 9906, annex A.

Dimensions and weights



TYPE	DN ₁	DN ₂	mm																	
	ISO	228	a	f	h ₁	h ₂	h ₃	H	m ₁	m ₂	n ₁	n ₂	n ₃	b	s	l	l ₁	l ₂	w	g ₁
B-NMP 32/12AE-DE-FE B-NMP 32/12SE	G 2	G 2	195	510	230	280	228	320	100	70	190	140	30	50	14	-	106	99	220	12
B-NMP 50/12FE-GE-HE B-NMP 50/12DE	G 2 ¹ / ₂	G 2 ¹ / ₂	205	540 602	262	322	240	360	100	70	240	190	37 20	50	14	-	120	117	234 298	12
B-NMP 65/16FE B-NMP 65/16DE-EE B-NMP 65/16AE-CE	G 3	G 3	320	717 748 858	360	440	288 320 345	470	125	95	280	212	60 49 43	65	14	-	165	164	298 319 408	15

TYPE	NMP kg	B-NMP kg
B-NMP 32/12FE	30	32
B-NMP 32/12DE	30	32
B-NMP 32/12AE	31	33
B-NMP 32/12SE	33	35
B-NMP 50/12HE	37	39
B-NMP 50/12GE	38,5	40
B-NMP 50/12FE	38,5	41,5
B-NMP 50/12DE	47,5	51,5
B-NMP 65/16FE	78,5	89
B-NMP 65/16EE	91	101
B-NMP 65/16DE	97	107
B-NMP 65/16CE	121	130
B-NMP 65/16AE	127	137

Characteristic curves $n \approx 2900$ rpm

