

### Construction

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

NMP: version with pump casing and lantern bracket in cast iron.  
 B-NMP: version with pump casing and lantern bracket in bronze (the pumps are supplied fully painted).

### 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: EN 60034-1;  
 EN 60335-1, EN 60335-2-41.

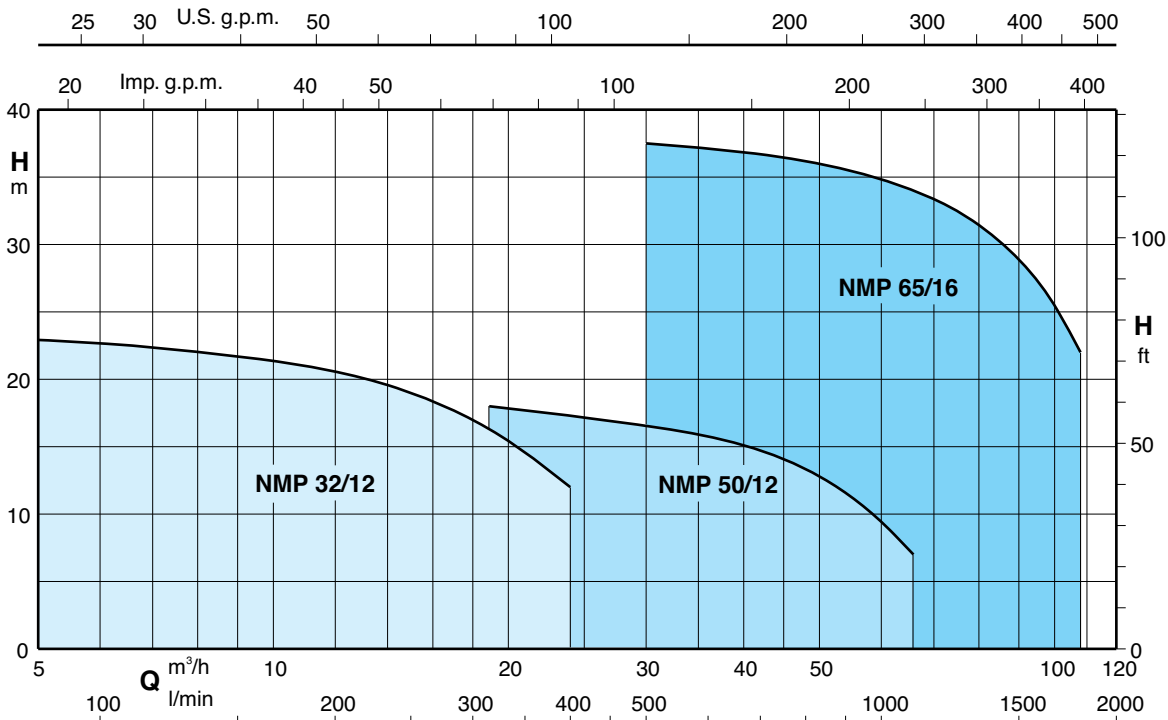
### Materials

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	

### 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.

### Coverage chart n ≈ 2900 rpm

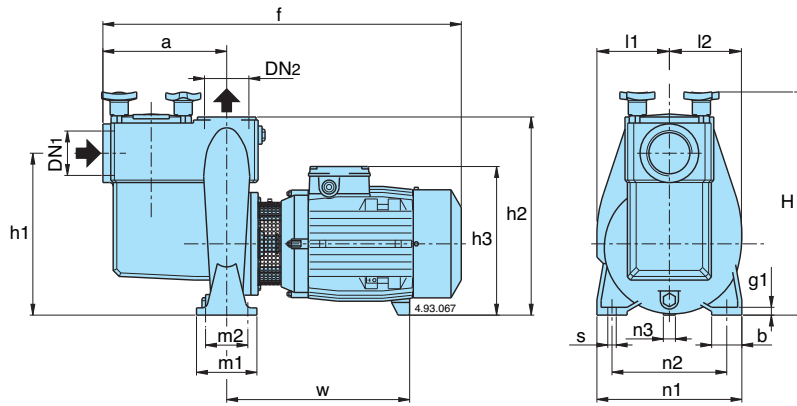


### Performance n ≈ 2900 rpm

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

P<sub>1</sub>: Maximum power input. P<sub>2</sub>: Rated motor power output.  
 B-NMP = Bronze construction. H: Total head in m.  
 \* Maximum suction lift 2-3 m. Tolerances according to ISO 9906, annex A.

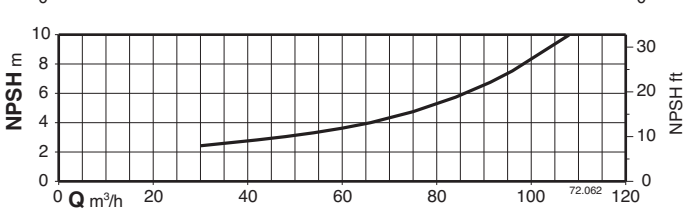
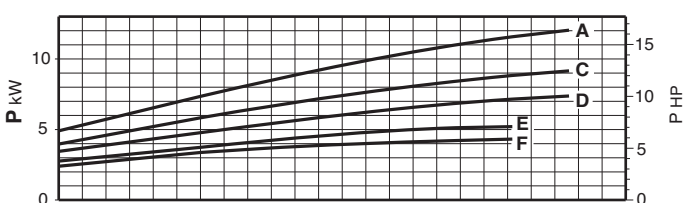
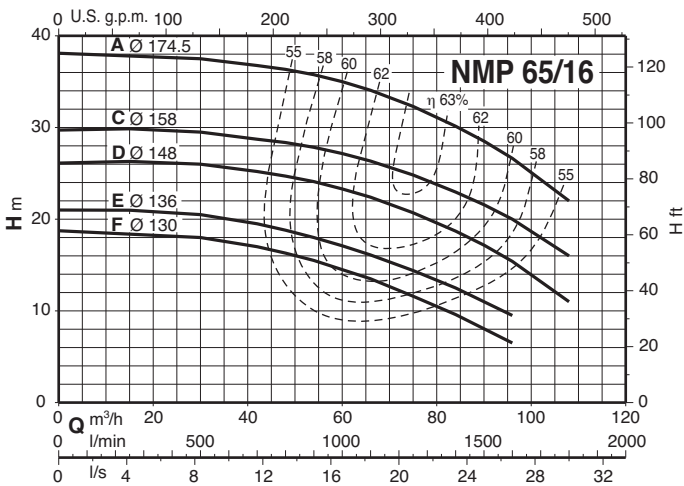
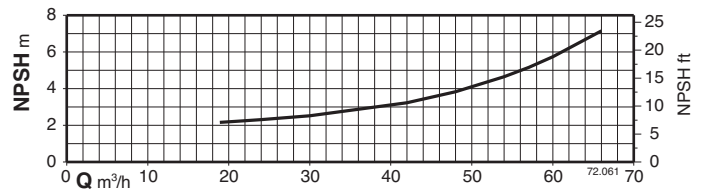
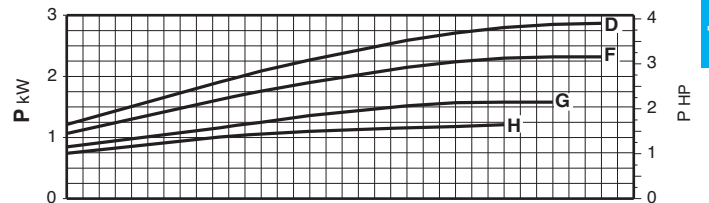
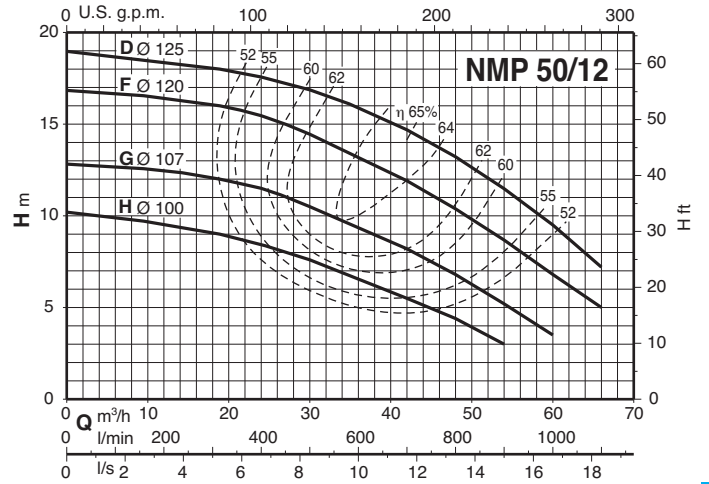
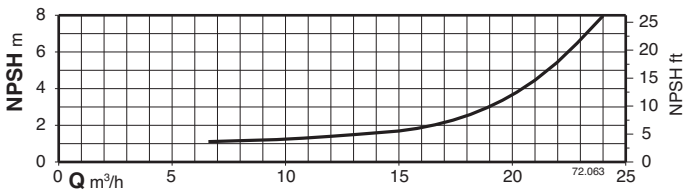
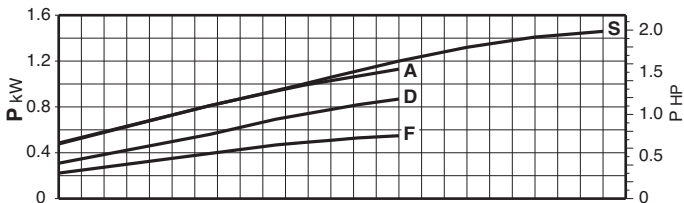
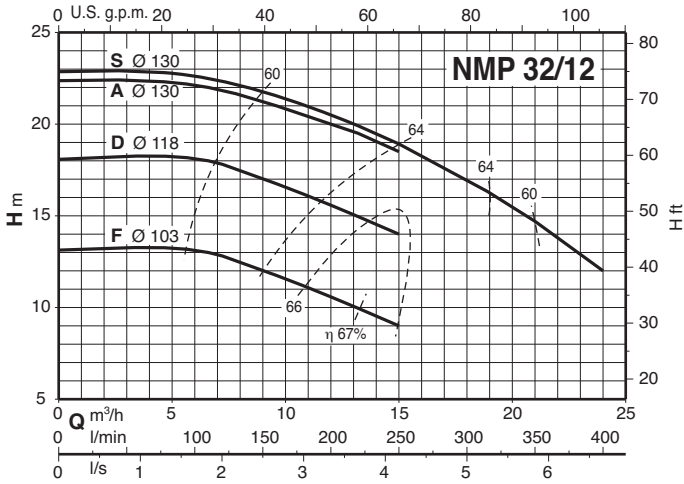
### Dimensions and weights



TYPE	DN <sub>1</sub>	DN <sub>2</sub>	mm																	
			ISO 228	a	f	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	H	m <sub>1</sub>	m <sub>2</sub>	n <sub>1</sub>	n <sub>2</sub>	n <sub>3</sub>	b	s	l	l <sub>1</sub>	l <sub>2</sub>	w
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 <sup>1/2</sup>	G 2 <sup>1/2</sup>	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	320	470	125	95	280	212	60 49 43	65	14	-	165	164	319 319 408	15

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

## Characteristic curves $n \approx 2900$ rpm



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