



### Budowa

Pompy monoblokowe, samozasysające, z inżektorem.

### Zastosowania

- Do wypompowywania wody z zagłębień,
- do podnoszenia ciśnienia wody w sieci,
- Dla płynów czystych lub umiarkowanie zanieczyszczonych,
- Do podlewania pól i ogrodów,
- do mycia z użyciem silnego strumienia wody.

### Warunki pracy pompy

Temperatura płynu do 40 °C.  
 Temperatura otoczenia do 40 °C.  
 Maksymalne dopuszczalne ciśnienie przy pracy pompy: 8 barów.  
 Praca ciągła.

### Silnik

Silnik indukcyjny o dwubiegunowy, 50 Hz (n = 2900 rpm).  
 NG: trójfazowy 230/400 V ± 10%  
 NGM: jednofazowy 230 V ± 10%, z zabezpieczeniem termicznym,  
 Kondensator znajduje się w skrzynce zaciskowej  
 Klasa izolacji F.  
 Stopień ochrony IP 54.  
 Zbudowany zgodnie z: EN 60335 – 2 - 41.

### Materiały

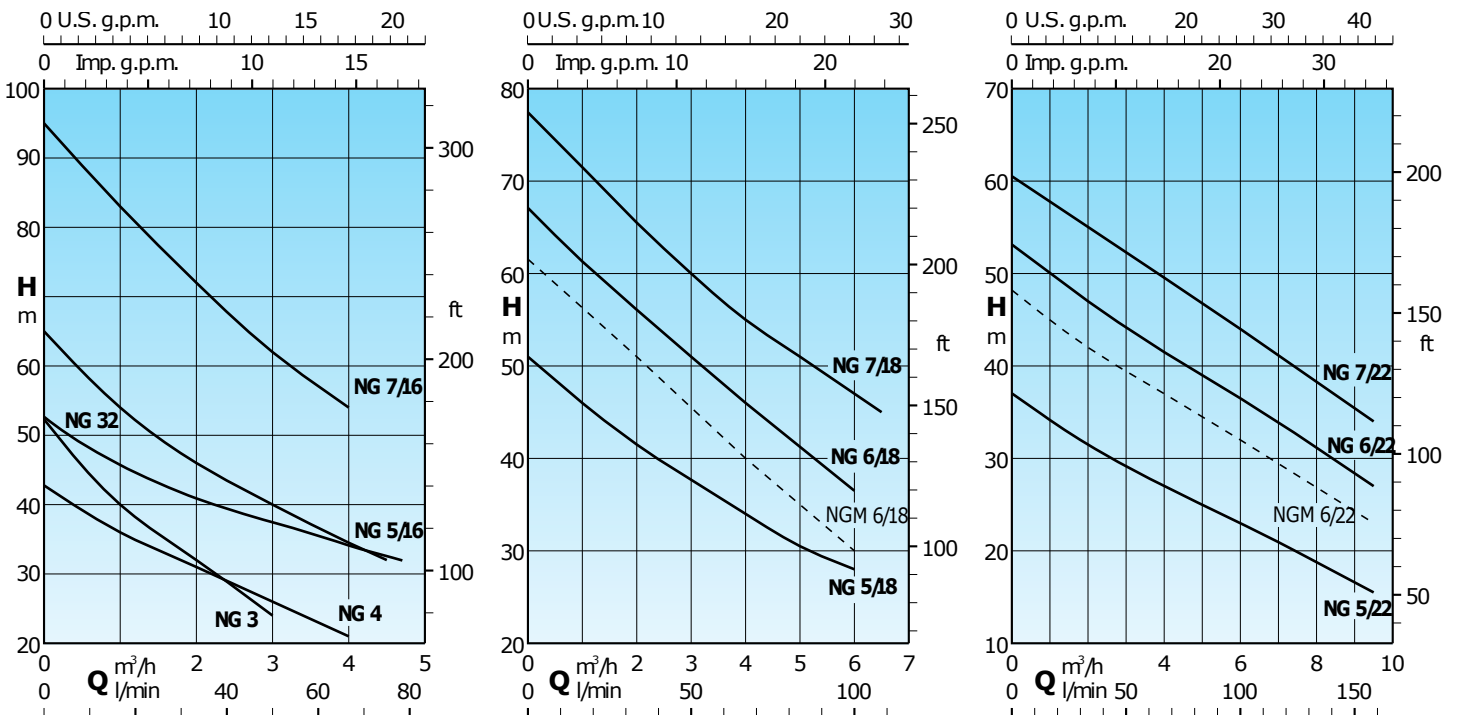
Część	NG	B-NG
Obudowa pompy	żeliwo	Brąz
Pokrywa z łącznikiem	GJL 200 EN 1561	G – Cu Sn 10 EN 1982
Przekładka z blachy		
Wirnik	Mosiądz P – Cu Zn 40 Pb 2 UNI 5705	
Wał	Stal chromoniklowa 1.4305 EN 10088 (AISI 303) dla NG 5 – 6 – 7 – 32	Stal Cr – Ni – Mo 1.4401 EN 10088 AISI 316
	Stal chromowa 1.4104 EN 10088 (AISI 430) dla NG 3 – 4	
Obudowa inżektora	Żeliwo GJL 200 EN 1561	-
Dyfuzor	Poliwęglan	
Dysza	Poliwęglan (Mosiądz P – Cu Zn 40 Pb 2 UNI 5705 dla NG 32)	
Uszczelnienie mechaniczne	Węgiel – Ceramika - NBR	

### Pozostałe warianty (na żądanie)

Inne wielkości napięcia,  
 Częstotliwość 60 Hz (wraz z charakterystyką dla 60 Hz),  
 Specjalne uszczelnienia mechaniczne,  
 Stopień ochrony IP 55.

24

### Characteristic Curves for suction lift Hs = 1 m n ≈ 2900 rpm



### Performance for suction lift $H_s = 1\text{ m}$ $n \approx 2900\text{ rpm}$

3 ~	230V 400V		1 ~	230V		P <sub>2</sub>		Q m <sup>3</sup> /h l/min	H m																		
	A	A		A	kW	kW	HP		0,25	0,5	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	8	9	9,5	
B- NG 3/A	3	1,7	B- NGM 3/A	4,5	0,9	0,55	0,75	49	45,5	40	36	32	28	24													
B- NG 4/A	3,7	2,2	B- NGM 4/A	5,7	1	0,75	1	41	39	36	33	31	29	26	24	21											
NG 32E	5	2,9	NGM 32E	7,4	1,47	1,1	1,5		49	46	43,5	41	39	38	36	34	33	31									
B- NG 5/16E	5	2,9	B- NGM 5/16E	7,4	1,64	1,1	1,5		59	54	50	46	43	40	37	34,5	32										
B- NG 5/18E	5	2,9	B- NGM 5/18E	7,4	1,68	1,1	1,5		48,5	46	43,5	41,5	39,5	38	35,5	34	32	30,5	29	28							
B- NG 5/22E	5	2,9	B- NGM 5/22E	7,4	1,55	1,1	1,5		35,5	34,5	33	31,5	30,5	29,5	28	27	26	25	23,5	23	21,5	20,5	18,5	16,5	15,5		
B- NG 6/18E	7,5	4,3				1,5	2		64,5	62	59	56	54	51	48,5	46	43,5	41,5	39	36,5							
			B- NGM 6/18E	9,2	2	1,5	2		59	57	54	51	48	45	43	40	37,5	35	33	30							
B- NG 6/22E	7,5	4,3				1,5	2		51,5	50	48,5	47	46	44,5	43	41,5	40	39	37,5	36,5	35	33,5	31	28,5	27		
			B- NGM 6/22E	9,2	2	1,5	2		47	45	43,5	42	41	40	38	37	36	35	33	32	31	30	27	24	23		
B- NG 7/16E	9,15	5,3				2,2	3		89	83	77	72	67	62	58	54											
B- NG 7/18E	9,15	5,3				2,2	3		74,5	71,5	68,5	65,5	63	60	57,5	55	53	51	49	47	45						
B- NG 7/22E	9,15	5,3				2,2	3		59	57,5	56,5	55	54	52,5	51	50	48,5	47	45,5	44	42,5	41,5	38	35	34		

P1 Max. power input.

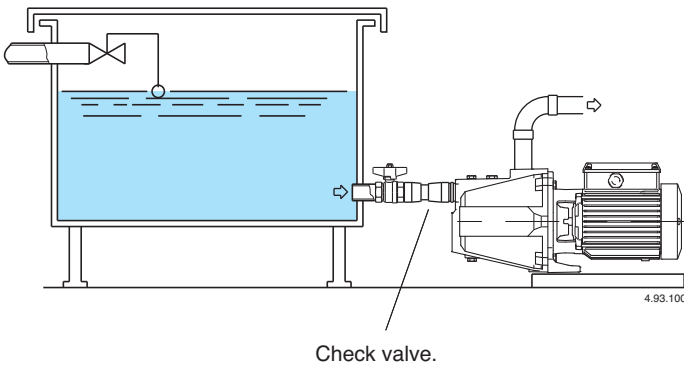
P2 Rated motor power output.

B-NG, B-NGM = Bronze construction.

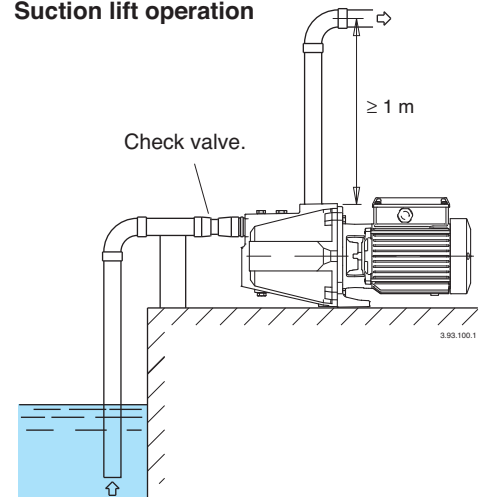
Tolerances according to ISO 9906, annex A.

### Installation examples

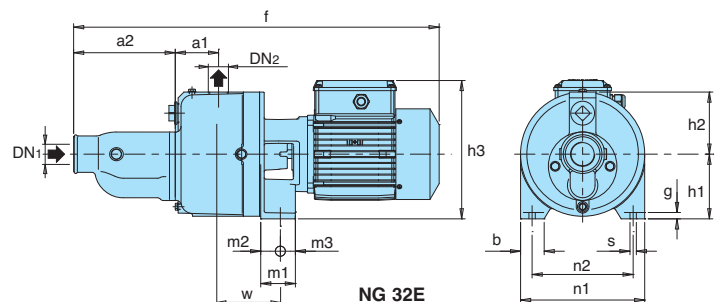
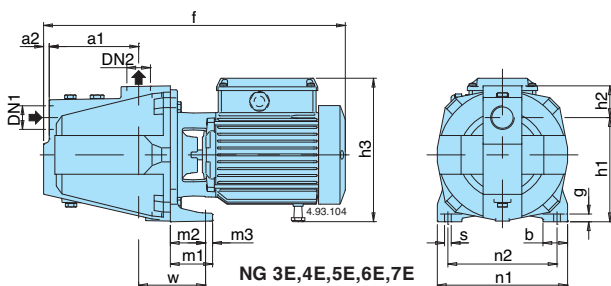
#### Positive suction head operation



#### Suction lift operation

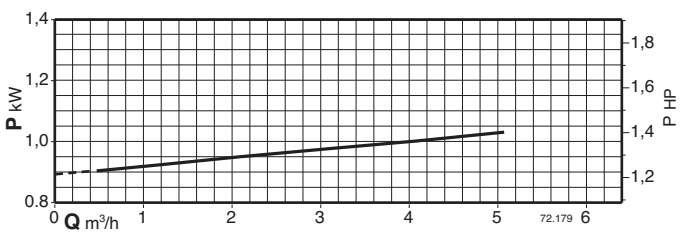
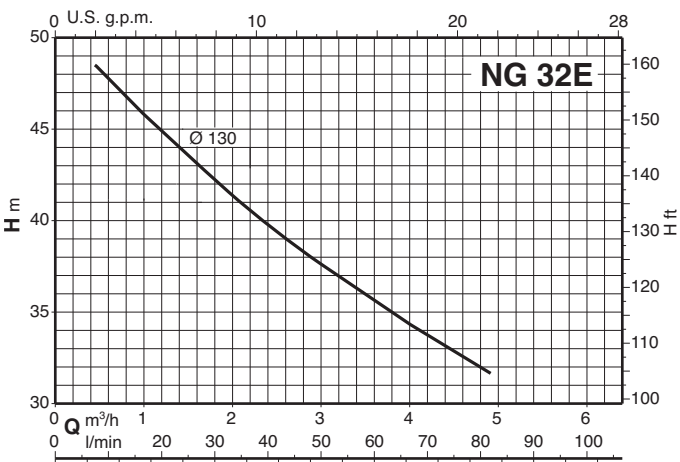
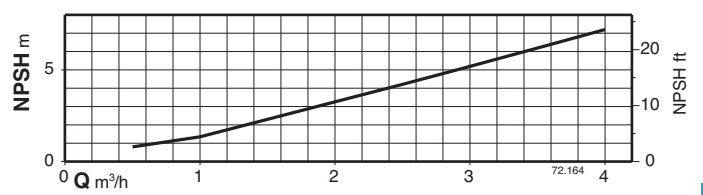
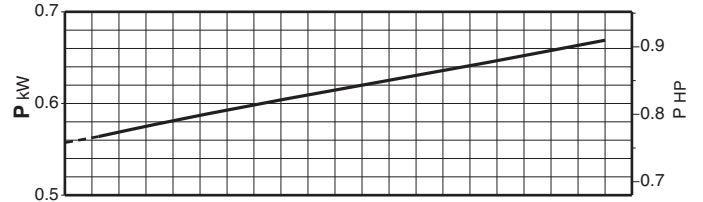
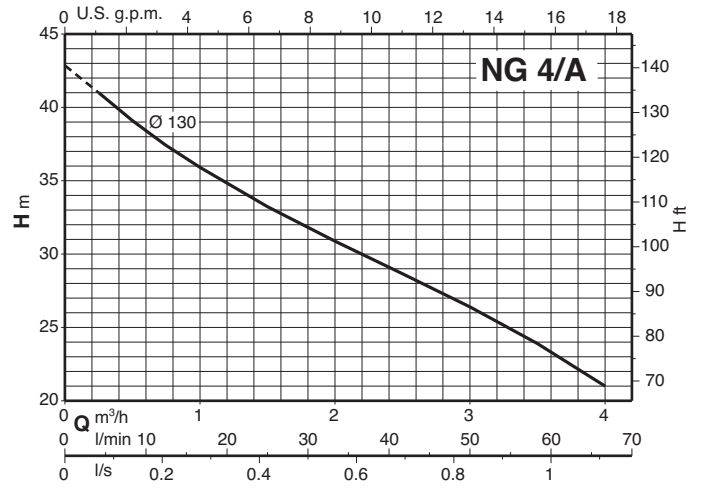
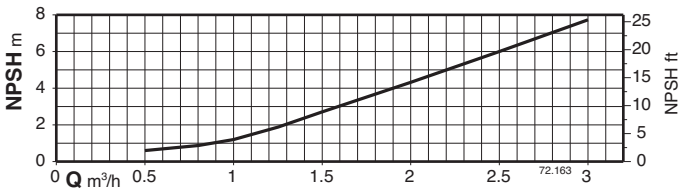
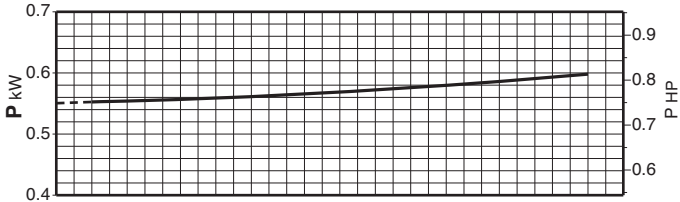
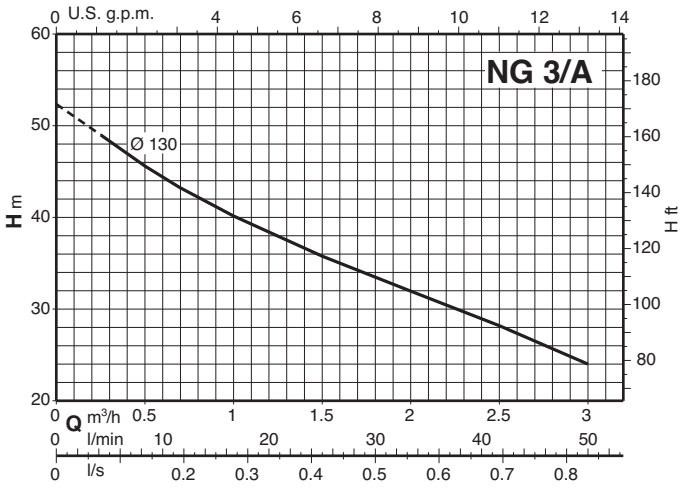


### Dimensions and weights

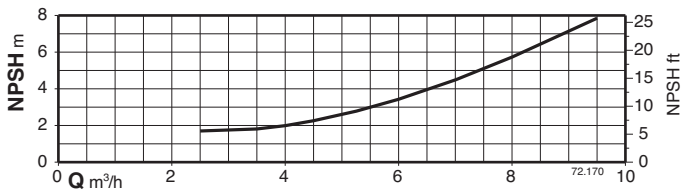
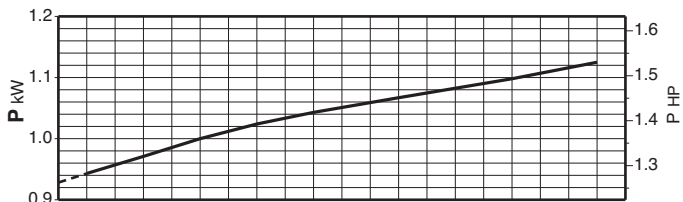
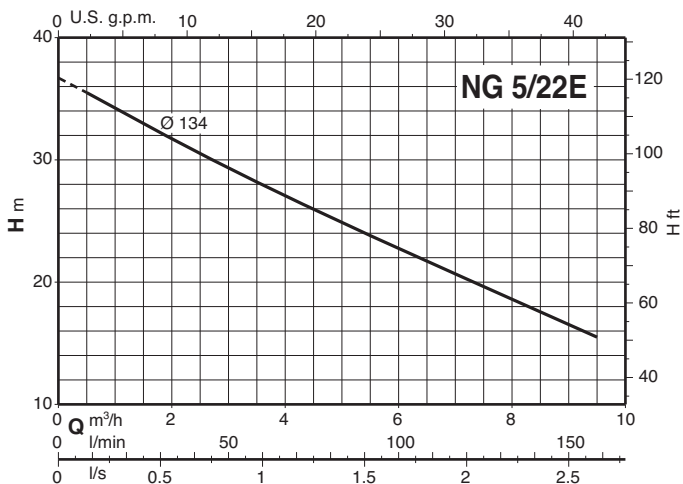
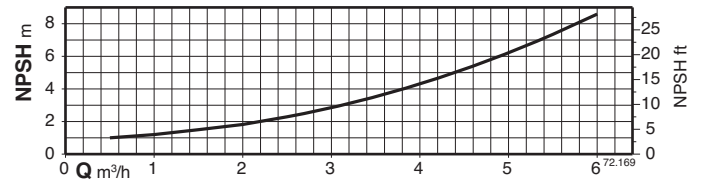
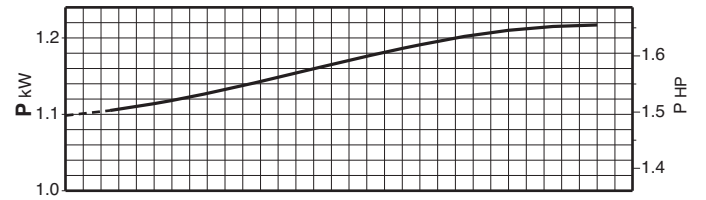
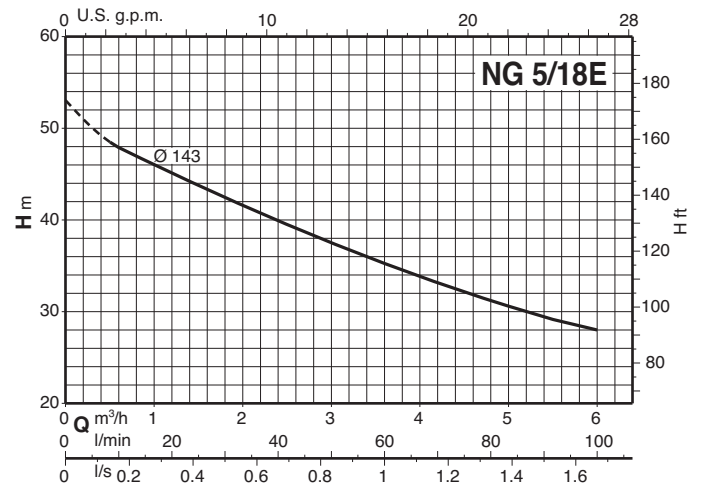
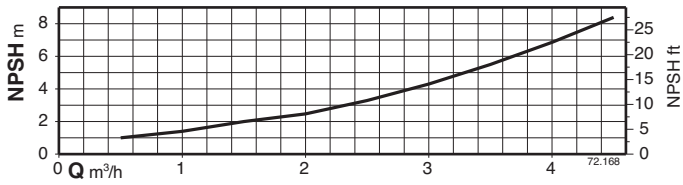
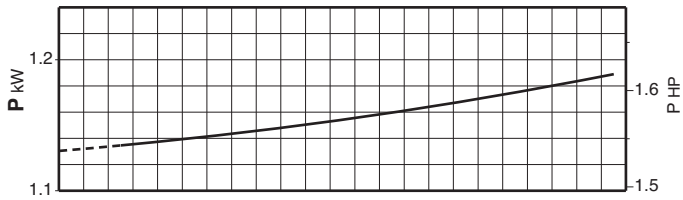
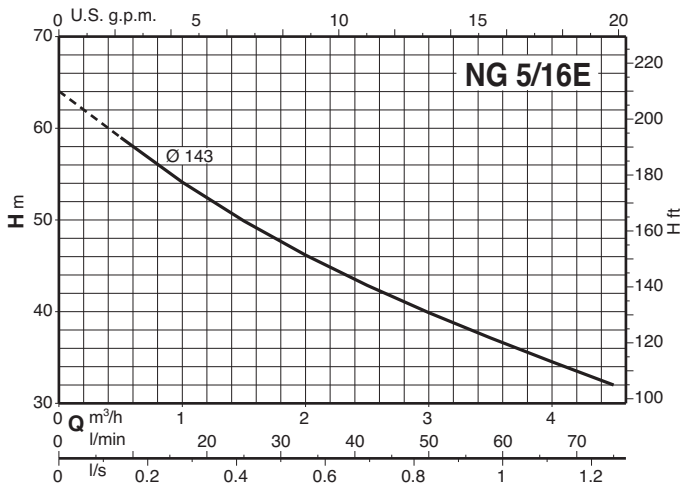


TYPE	DN <sub>1</sub>	DN <sub>2</sub>	mm															kg	
			a1	a2	f	h1	h2	h3	m1	m2	m3	n1	n2	b	s	w	g	NG	B-NG
NG 3/A B-NG 3/A	G 1	G 1	127	8	430	150	43	207	60	52	8	185	155	35	9,5	100	11	18,4	20,8
NG 4/A B-NG 4/A	G 1	G 1	160	10	560	165	57	197	60	50	10	215	175	40	11,5	115	11	19,2	21,5
NG 5E B-NG 5E	G 1 1/2	G 1	160	10	560	165	57	197	60	50	10	215	175	40	11,5	115	11	29,2	31,6
NG 6E B-NG 6E	G 1 1/2	G 1	160	10	560	165	57	197	60	50	10	215	175	40	11,5	115	11	30,8	32,9
NG 7E B-NG 7E	G 1 1/2	G 1	160	10	560	165	57	197	60	50	10	215	175	40	11,5	115	11	31,3	33,4
NG 32E	G 1 1/2	G 1	75	175	557	112	108	222	60	34	26	215	175	40	11	106	10	38	-

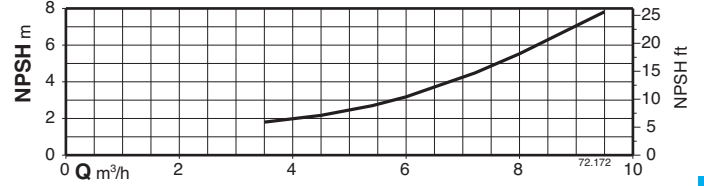
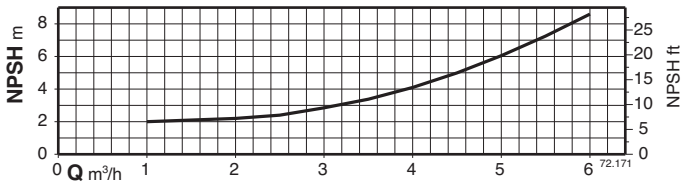
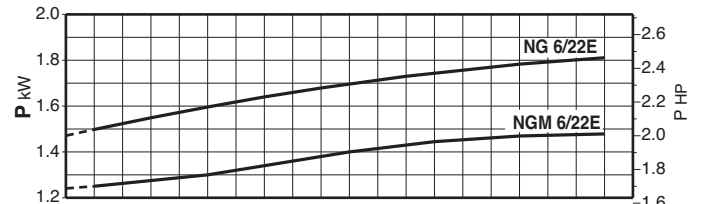
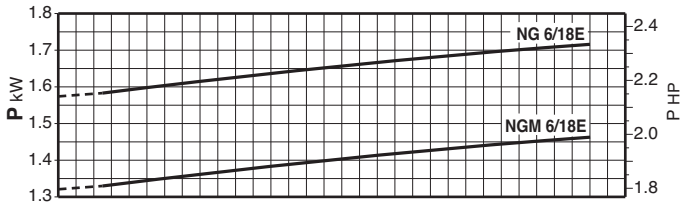
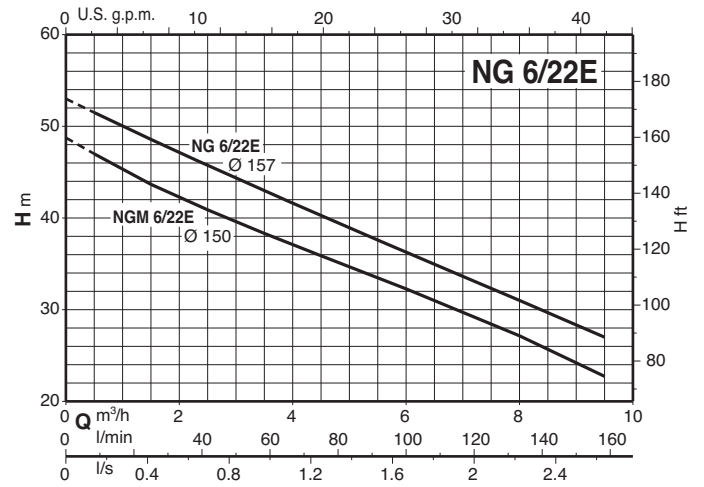
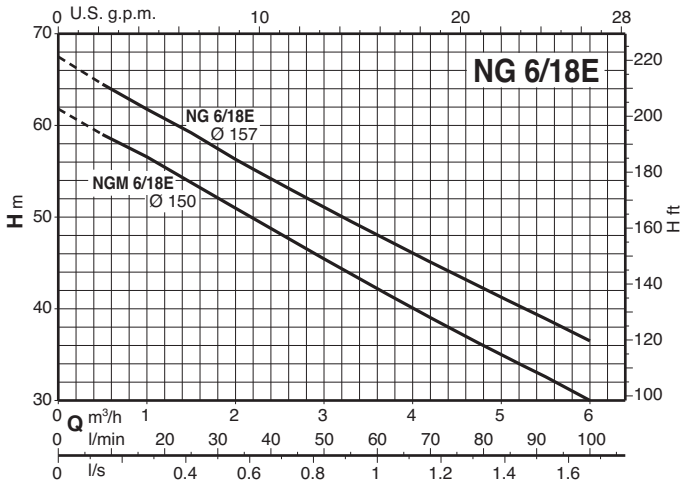
### Characteristic curves $n \approx 2900$ rpm



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