

Construction

Close-coupled deep-well jet pumps with external ejector (convertible construction).

Applications

For drawing water out of a well.
 When the water level is deeper than 8 m.
 When it is more convenient to have the pump on the surface rather than a submersible pump in the bore hole.

Operating conditions

Liquid temperature up to 40° C.
 Ambient temperature up to 40° C.
 Total suction lift up to 45 m.
 Continuous duty.

Motor

2-pole induction motor, 50 Hz (n = 2900 rpm).
NG: three-phase 230/400 V ± 10%.
NGM: single-phase 230 V ± 10%, with thermal protector.
 Insulation class F.
 Protection IP 54.
 Constructed in accordance with IEC 34.

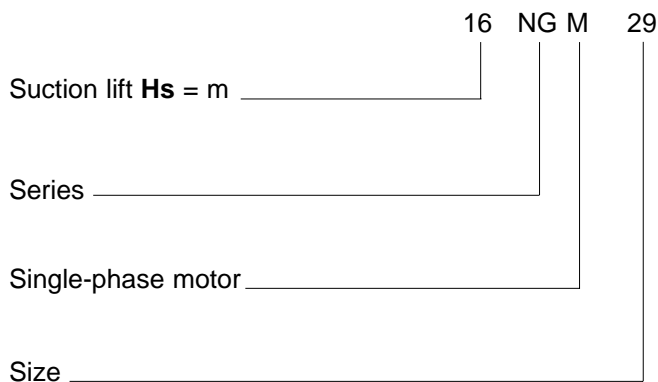
Special features on request

- Other voltages.
- Frequency 60 Hz (as per 60 Hz data sheet).
- Protection IP 55.
- Special mechanical seal.
- Higher liquid or ambient temperatures.
- Pipes with right-left fittings, for pump connection.

Materials

Components	NG 29 - 30 - 31	NG 32E
Pump casing Lantern bracket	Cast iron GJL 200 EN 1561	
Diffuser	Polycarbonate	Cast iron GJL 200 EN 1561
Diffuser plate	Cast iron GJL 200 EN 1561	
Impeller	Brass P- Cu Zn 40 Pb 2 UNI 5705	
Shaft	Cr-Ni steel 1.4305 EN 10088 (AISI 303)	
Mechanical seal	Carbon - Ceramic - NBR	
Ejector: Casing	Cast iron GJL 200 EN 1561	
Nozzle	Polycarbonate	Brass P- Cu Zn 40 Pb 2 UNI 5705
Diffuser	Polycarbonate	

Identification



Performance $n \approx 2900$ rpm

3 ~	230 V 400 V		1 ~	230 V		P1		P2		Hs	Q														
	A	A		A	kW	kW	HP	m	m ³ /h			l/min	0,12	0,24	0,36	0,48	0,6	0,75	0,96	1,2	1,5	1,8	2	2,4	
16 NG 29	3	1,7	16 NGM 29	4,5	0,9	0,55	0,75	16	H	m	m	49	44	40	36	33	29	25	20	16					
16 NG 30	3,7	2,2	16 NGM 30	5,7	1,2	0,75	1					66	61	56	52	48	44	39	34	28	23				
16 NG 32E	5	2,9	16 NGM 32E	7,4	1,47	1,1	1,5	20	H	m	m				21,5	21	20	19	18	16,8	15,5	14,5	13		
20 NG 29	3	1,7	20 NGM 29	4,5	0,9	0,55	0,75					45	39	35	31	28	24	20	16						
20 NG 30	3,7	2,2	20 NGM 30	5,7	1,18	0,75	1	25	H	m	m	62	56	51,5	47,5	43,5	39,5	34	29	23					
25 NG 29	3	1,7	25 NGM 29	4,5	0,88	0,55	0,75					40	34	30	26	22,5	18,5								
25 NG 30	3,7	2,2	25 NGM 30	5,7	1,22	0,75	1	30	H	m	m	57	52	47	43	38,5	34	28,5	23						
30 NG 29	3	1,7	30 NGM 29	4,5	0,9	0,55	0,75					34	29,5	25	21	17									
30 NG 30	3,7	2,2	30 NGM 30	5,7	1,16	0,75	1	35	H	m	m	51	46	41	36	32	27	22							
30 NG 31	4	2,3	30 NGM 31	5,7	1,22	0,75	1					54	49	44	39	35	31	25							
35 NG 30	3,7	2,2	35 NGM 30	5,7	1,15	0,75	1	40	H	m	m	43	39	34	30	25									
35 NG 31	3,7	2,2	35 NGM 31	5,7	1,20	0,75	1					46	42	37	34	30	25								
40 NG 31	3,7	2,2	40 NGM 31	5,7	1,20	0,75	1	45	H	m	m	40	36	32	27	24									
45 NG 31	3,7	2,2	45 NGM 31	5,7	1,18	0,75	1					34	28	24											

P1 Maximum power input.

P2 Rated motor power output.

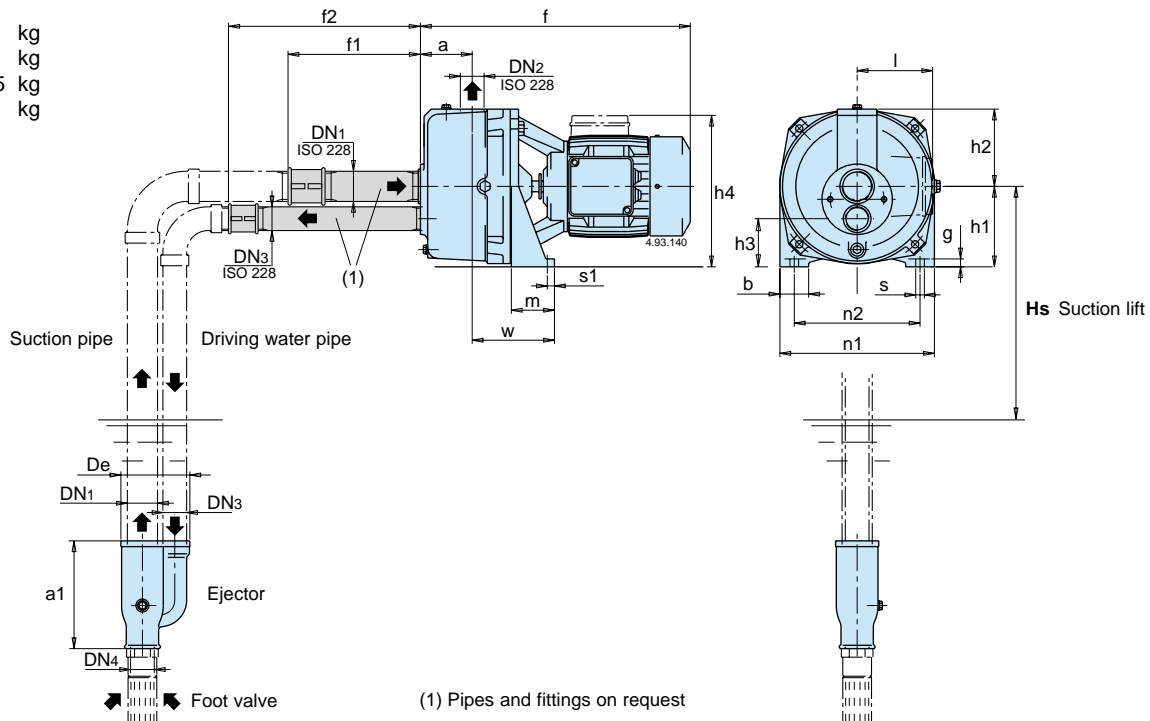
H Pump outlet head

Hs Suction lift

Tolerances according to ISO 9906, annex A.

Dimensions and weights

- NG 29: 27 kg
- NG 30: 28 kg
- NG 31: 28,5 kg
- NG 32E: 38 kg



TYPE	DN1	DN2	DN3	DN4	mm																		
					a	f	h1	h2	h3	h4	m	n1	n2	b	s	s1	l	w	g	De	a1	f1	f2
NG 29-30-31	G 1 1/4	G 1	G 1	G 1	72	375	112	108	67	-	60	215	175	40	12	10	105	117	11	96	150	150	260
NG 32E	G 1 1/2	G 1	G 1 1/4	G 1 1/2	75	457	112	108	58	222	60	215	175	40	11	26	-	132	10	118	175	150	260