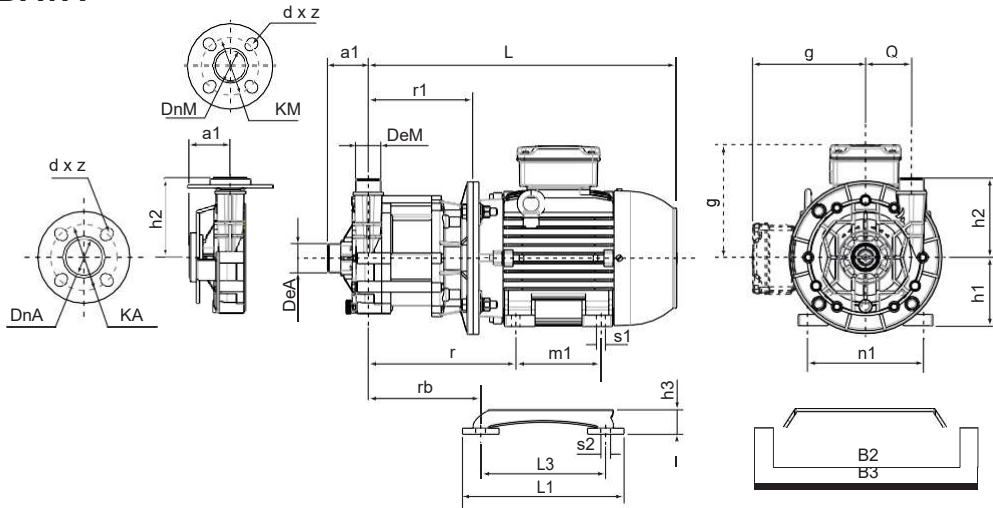


# TECHNICAL DATA



IEC - 50 Hz			model	IEC frame	DnA	DnM	DeA	DeM	KA iso / ansi / jis	KM iso / ansi / jis	d x z iso / ansi / jis	a1	L(°)	Q	h1	h2	r	r1	rb	m1	n1	s1	g(°)	L3	B2	S2	L1	B3	h3																																																																																								
06.10	N	71	40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359																																																																																									
	P	80A																											356	71	194	90	112	7	106																																																																																		
	S	80B																											385	80	199	125	110																																																																																				
10.10	N	80A																											40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359																																																															
	P	80B																																																					385	80	199	125	110																																																										
	S	90S																																																					405	90	205	140	142	185	248																																																								
10.15	N	80B																																																					40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359																																					
	P	90S																																																																															385	80	199	125	110																																
	S	90L																																																																															405	90	205	140	142	185	248																														
16.15	N	90S																																																																															40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359											
	P	90L																																																																																																									430	90	205	140	142	185	248				
	S	100																																																																																																									478	100	227	164	176	140	160	10	155	205	305
16.20	N	90L	40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359																																																																																									
	P	100																																																																																																									430	90	205	149	161	125	140	8	142	185	248
	S																																																																																																										478	100	227	164	176	140	160	10	155	205	305
02.30	N	90L																											40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359																																																															
	P	100																																																																																																									430	90	205	149	161	125	140	8	142	185	248
	S																																																																																																										478	100	227	164	176	140	160	10	155	205	305

IEC - 60 Hz			model	IEC frame	DnA	DnM	DeA	DeM	KA iso / ansi / jis	KM iso / ansi / jis	d x z iso / ansi / jis	a1	L(°)	Q	h1	h2	r	r1	rb	m1	n1	s1	g(°)	L3	B2	S2	L1	B3	h3																																																																																								
07.11	N	80A	40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359																																																																																									
	P	80B																											385	80	199	125	110																																																																																				
	S	90S																											430	90	205	140	142	185	248																																																																																		
07.14	N	80B																											40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359																																																															
	P	90S																																																					385	80	199	125	110																																																										
	S	90L																																																					405	90	205	140	142	185	248																																																								
11.15	N	90S																																																					40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359																																					
	P	90L																																																																															405	90	205	140	142	185	248																														
	S	100																																																																															478	100	227	164	176	140	160	10	155	205	305																										
11.23	N	90L																																																																															40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359											
	P	100																																																																																																									430	90	205	149	161	125	140	8	142	185	248
	S																																																																																																										478	100	227	164	176	140	160	10	155	205	305
17.25	N	112	40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359																																																																																									
	P																																																																																																										487	112	234	164	176	140	190	10	168	205	305
	S																																																																																																																				
03.35	N	112																											40 - 1" 1/2	32 - 1" 1/4	1" 1/2	1" 1/4	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	67	75	90	130	205	164	176	140	160	10	155	205	305	14	245	308	40	259	359																																																															
	P																																																																																																										487	112	234	164	176	140	190	10	168	205	305
	S																																																																																																																				

(1) can change for motors of different brands

dimension in mm

model		NEMA frame	DnA	DnM	DeA	DeM	KA (mm) iso / ansi / jis	KM (mm) iso / ansi / jis	d x z (mm) iso / ansi / jis	a1	L(°)	Q	h1	h2	r	r1	rb	m1	n1	s1	g(°)	L3	B2	S2	L1	B3	h3
NEMA - 60 Hz	07.11	N	56	40 - 1" 1/2	32 - 1" 1/4	1" 1/2	110 / 98 / 105	100 / 89 / 100	18 x 4 / 16 x 4 / 19 x 4	2.65	2.94	4.5	5.125	8.44	5.875	6.34	3	4.875	0.375	5.44	7.28	9.75	0.56	9.66	12.13	10.2	
		P	56																								
		S	145																								
	07.14	N	143																								
		P	145																								
		S	182																								
	11.15	N	145																								
		P	182																								
		S	184																								
	11.23	N	182																								
		P	184																								
		S																									
	17.25	N	184																								
		P																									
		S																									
	03.35	N	184																								
		P																									
		S																									

IEC 50 Hz 2900 rpm	Model	06.10			10.10			10.15			16.15			16.20			02.30					
		Version			N	P	S	N	P	S	N	P	S	N	P	S	N	P	S			
Weigh pump	no motor	Kg			3	4	4	3	4	4	3	4	4	3	4	4	3	4	4	3	4	4
	+ IEC 3 fasi (°)	Kg			10	11	11	11	12	13	13	13	14	16	17	17	20	21	21	25	26	26
Max. head	m.c.l	11			14.5			18			23.5			26.5			31					
Max. capacity	m³/h	17			19			25			26			30			8					
Max. NPSH req..	m.c.l																					
Noise	dB	65			70			70			70			70			70					
Loads (ports-section)	Kg	Max. single strength value F(x,y,z) = 2,5																				
Motor	Frame	71	80A	80B	80A	80B	90S	80B	90S	90L	90S	90L	100L	90L	100L	/	90L	100L	/			
	Power	kW	0.55	0.75	1.1	0.75	1.1	1.5	1.1	1.5	2.2	1.5	2.2	3	2.2	3	/	2.2	3	/		
	Voltage	V	400 ± 5% 50 Hz																			
	Phase	n°	3 - 1 (< 3 kW)																			
	Protection	IP	55																			

IEC NEMA 60 Hz 3500 rpm	Model	07.11			07.14			11.15			11.23			17.25			03.35					
		Version			N	P	S	N	P	S	N	P	S	N	P	S	N	P	S			
Weigh pump	no motor	Kg			3	4	4	3	4	4	3	4	4	3	4	4	3	4	4	3	4	4
	+ IEC 3 phase (°)	Kg			11	12	13	13	13	14	16	17	17	20	21	21	25	26	26	25	26	26
	+ NEMA 3 ph. (°)	Lb			33	35	35	38	48	50	44	46	46	48	50	50	88	88	88	91	91	91
Max. head	m.c.l	15.5			16.5			22			28			36			35					
Max. capacity	m³/h	15			19.5			24			27			30			10					
Max. NPSH req.	m.c.l																					
Noise	dB	70			70			70			70			74			74					
Loads (ports-section)	Kg	Max. single strength value F(x,y,z) = 2,5																				
Motor	IEC	Frame	80A	80B	90S	80B	90S	90L	90S	90L	100L	90L	100L		112			112				
		Power	kW	0.75	1.1	1.5	1.1	1.5	2.2	1.5	2.2	3	2.2	3		4			4			
		Voltage	V	460 ± 5% 60 Hz																		
		Phase	n°	3 - 1 (< 3 kW)																		
		Protection	IP	55																		
	NEMA	Frame	56	56	145	143	145	182	145	182	184	182	184		184			184				
		Power	HP	1	1 1/2	2	1 1/2	2	3	2	3	5	3	5		5			5			
		Voltage	V	460 ± 5% 60 Hz																		
		Phase	n°	3																		
		Protection	IP	55																		

(\*) can change for motors of different brands