



6", 8", 10" MIXED-FLOW SUBMERSIBLE PUMPS

60 HZ n = 3450 rpm



Construction

Submersible borehole pumps for 6" wells (DN 150), 8" (DN 200) and 10" (DN 250).

Sized for connection to the motor according to NEMA Standards.

Delivery casing with built-in non-return valve.

Delivery port: - threaded for 6" - flanged for 8" and 10".

Impellers - mixed flow impellers

Performance

Capacity up to 420 m³/h.

Head up to 490 m.

Rated motor power output up to 150 kW.

Rotation speed 3450 r.p.m. (motor frequency 60 Hz).

Applications

For clean water, non-aggressive. For water supply. For irrigation.

For civil and industrial applications. For fire fighting applications.

Operating conditions

Water temperature up to 25 °C.

Max. sand quantity into the water: 150 g/m³.

Continuous duty.

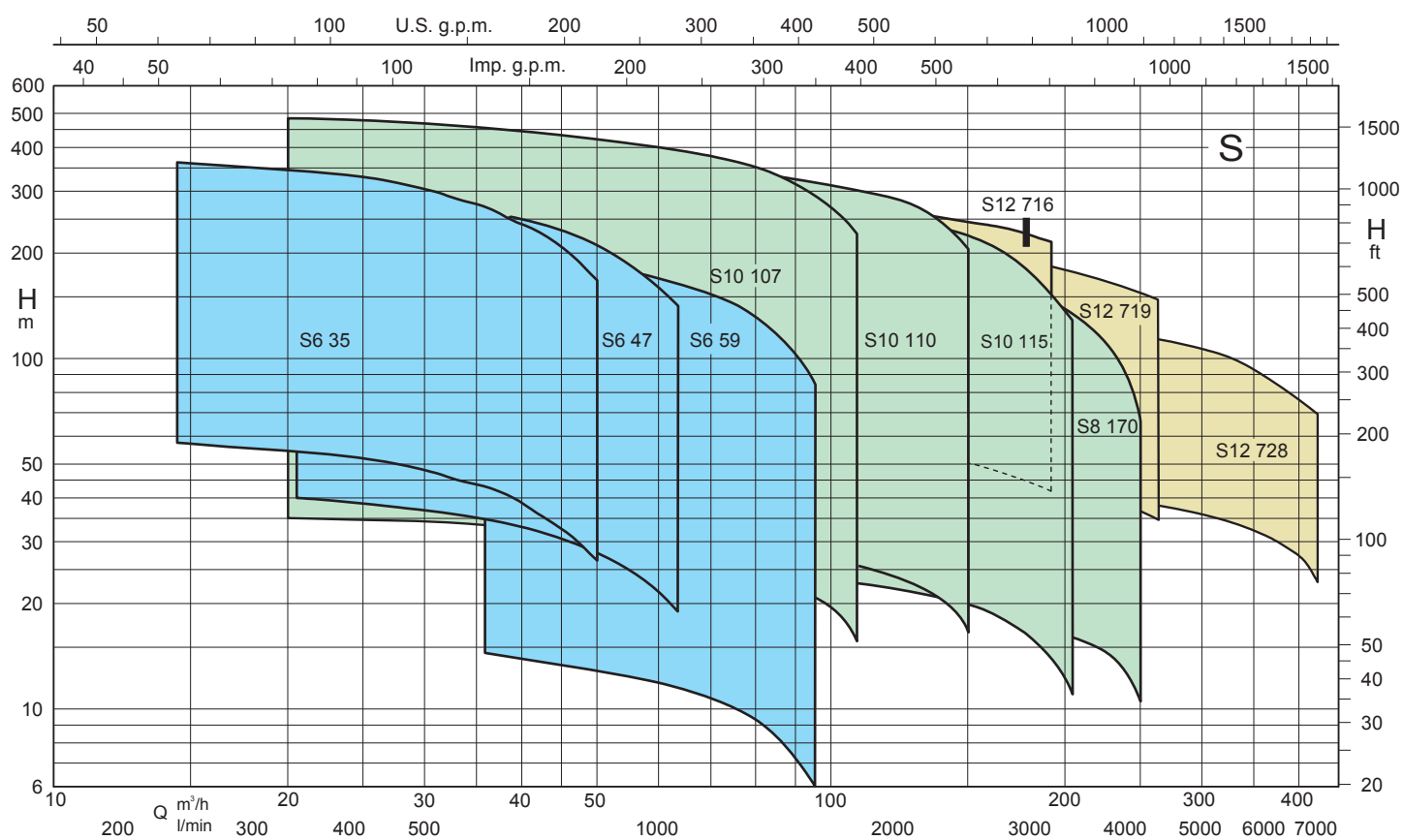
It is suggested use electric control panels with the following starting systems: "soft starter", stator impedance, star-delta connection, for all pumps having powers higher than 11 kw.

Direction of rotation: clockwise as seen the pump from the coupling side.

Materials

Components	Materials
Suction casing	
Delivery casing	Cast iron GJL 200 EN 1561
Diffusers	(Bronze B 10 on request)
Impellers - Valve	
Shaft	Steel AISI F51 duplex
Bushing	Davlon 900 (Bronze B 14 on request)
Impeller ring	Rubber (Bronze B 14 on request)
Coupling - Cable sheat	
Filter - Bolts and screws	Stainless Steel
Shaft sleeve	Brass with chromate surfacetreatment(onlyfor10")

Coverage chart



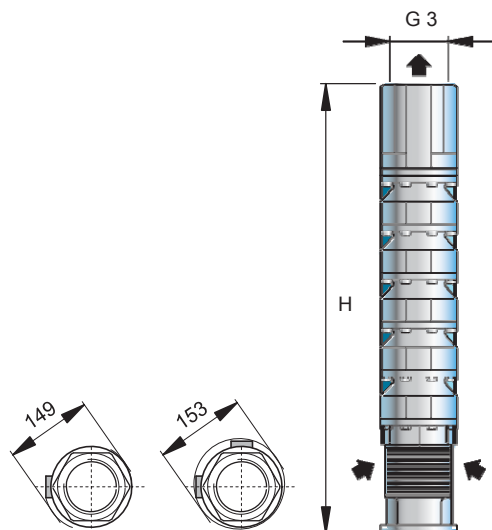
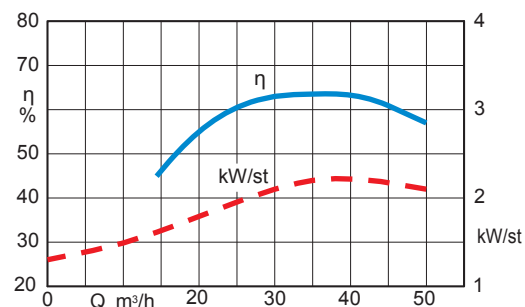
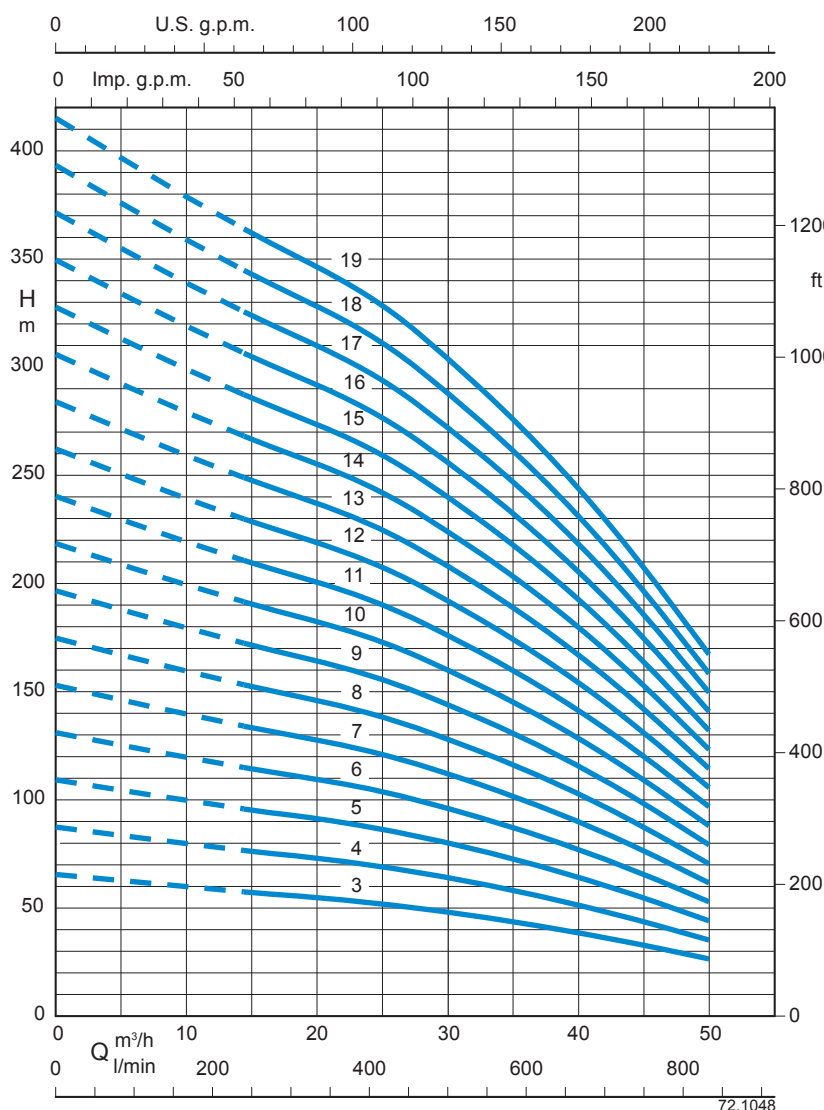
Tolerances according to ISO 9906-A

72.1125

S6-35

6" MIXED-FLOW SUBMERSIBLE PUMPS

60 Hz - $n \approx 3450$ rpm



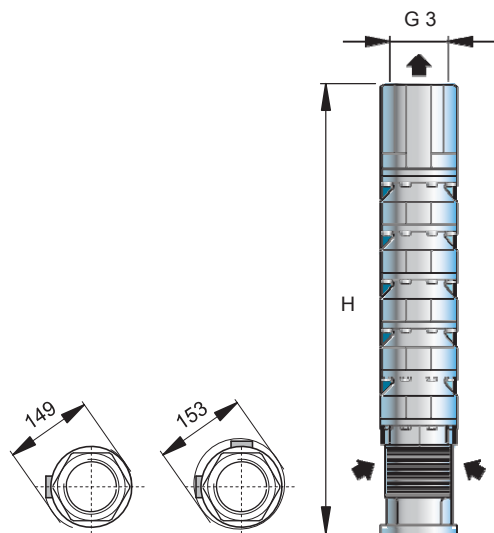
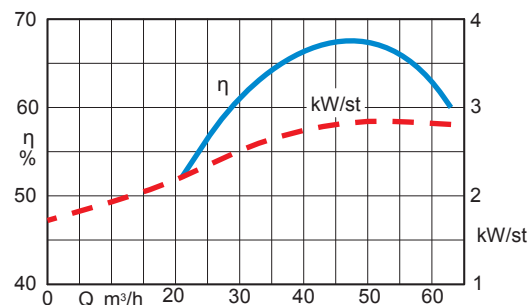
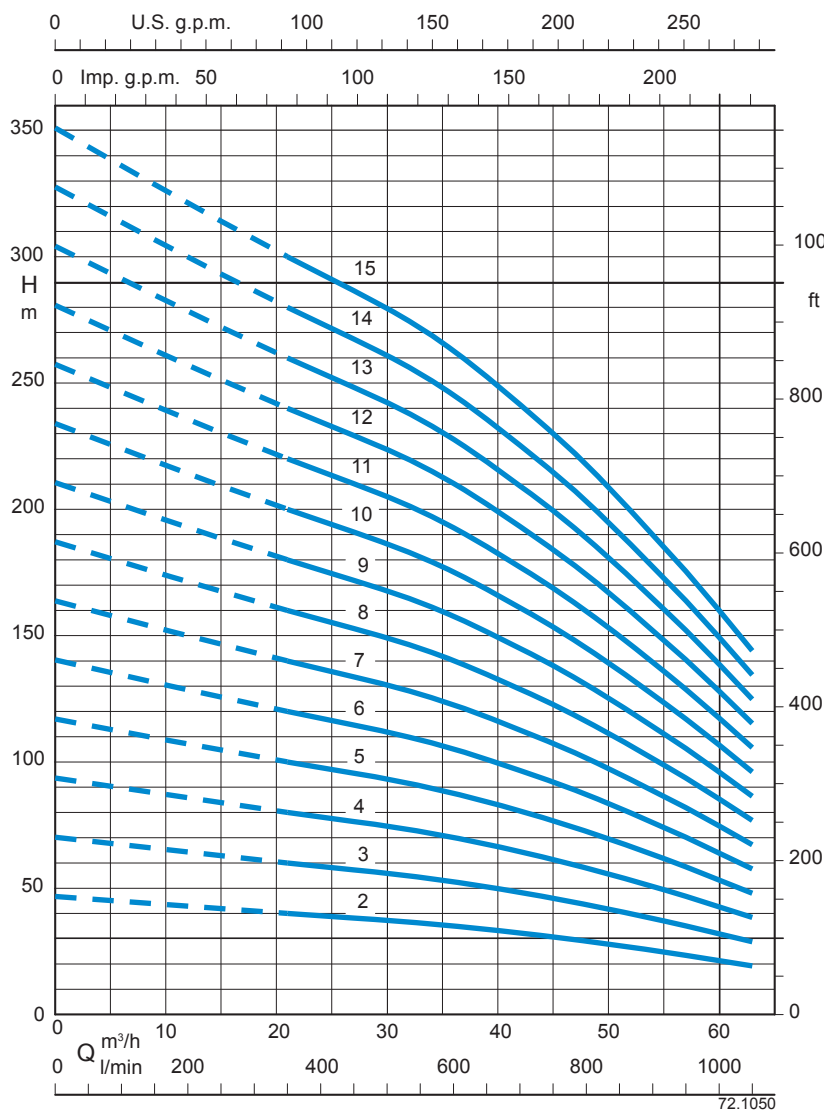
TYPE	MOTOR		Q m³/h	DELIVERY									
	kW	HP		0	14,4	24	30	33	36	39	42	46	50
			l/min	0	240	400	500	550	600	650	700	766	833
S6-35/3	7,5	10	H m HEAD	66	57,5	52,5	48	45	43	40	36	31,5	26,5
S6-35/4	9,2	12,5		88	76,5	70	64	60	57	52	48,5	42	35
S6-35/5	11	15		110	96	87,5	80	75	71	65	60,5	52,5	44
S6-35/6	13	17,5		132	115	105	96	90	85	78	73	63	53
S6-35/7	15	20		154	134	123	112	105	99,5	91	85	73,5	62
S6-35/8	18,5	25		176	153	140	128	120	114	104	97	84	70,5
S6-35/9	18,5	25		198	172	158	144	135	128	117	109	94,5	79
S6-35/10	22	30		220	191	175	160	150	142	130	121	105	88
S6-35/11	22	30		242	210	193	176	165	156	143	133	115	97
S6-35/12	26	35		264	229	210	192	180	170	156	145	126	106
S6-35/13	26	35		286	248	228	208	195	185	169	157	136	114
S6-35/14	30	40		308	267	245	224	210	199	182	169	147	123
S6-35/15	30	40		330	287	263	240	225	213	195	181	157	132
S6-35/16	37	50		352	306	280	256	240	227	208	194	168	141
S6-35/17	37	50		374	325	298	272	255	241	221	206	178	149
S6-35/18	45	60		396	344	315	288	270	256	234	218	189	159
S6-35/19	45	60		418	363	333	304	285	270	247	230	200	167

MOTOR	H	
	mm	kg
6"	681	30
	783	36
	885	41
	987	46
	1089	51
	1191	56
	1293	62
	1395	67
	1497	72
	1599	77
	1701	83
	1803	88
	1905	93
	2007	98
	2109	103
	2211	109
	2313	114

S6-47

6" MIXED-FLOW SUBMERSIBLE PUMPS

60 Hz - $n \approx 3450$ rpm



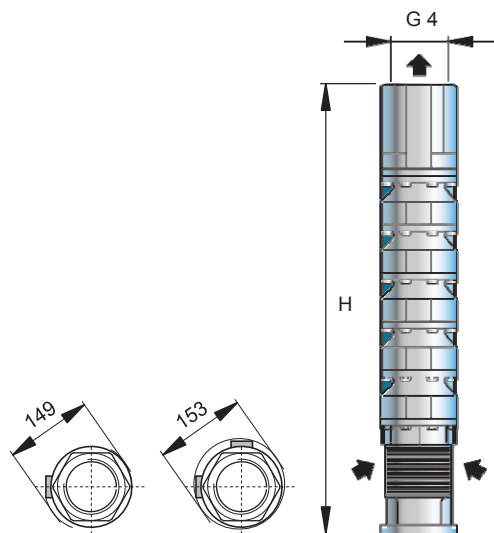
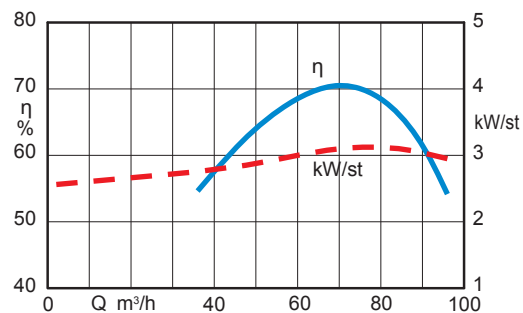
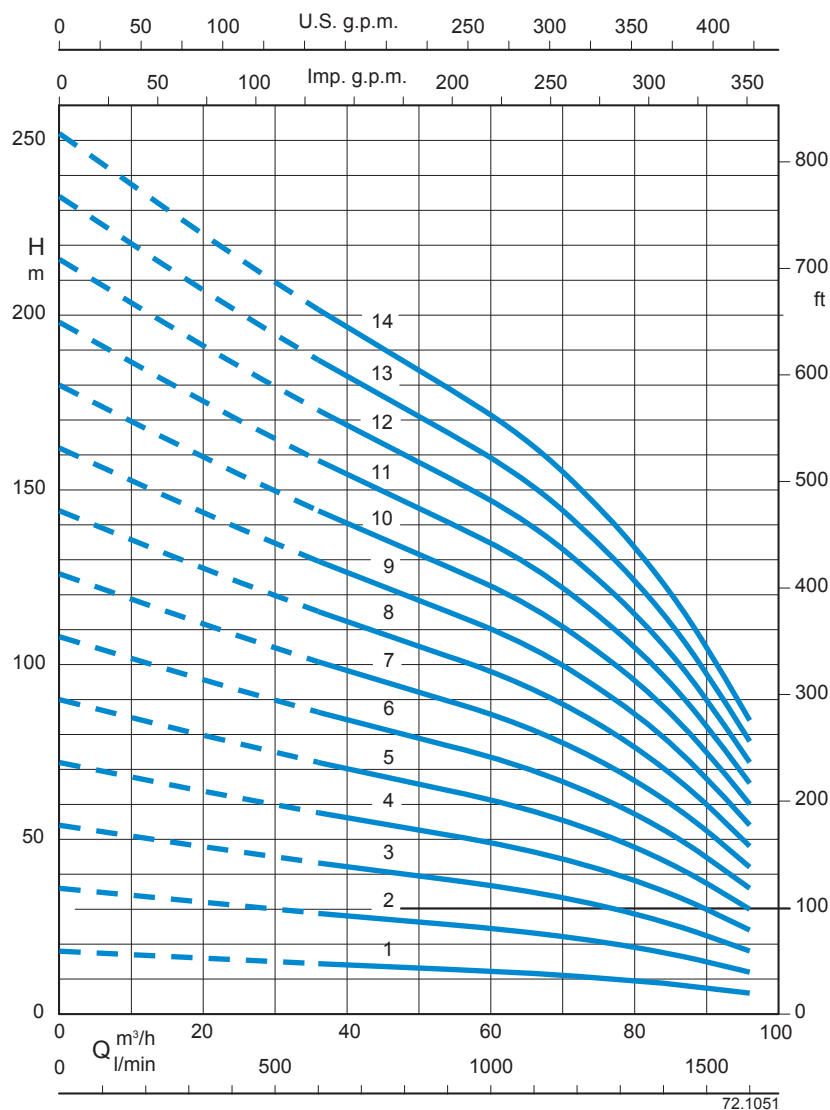
TYPE	MOTOR		Q m³/h l/min	DELIVERY											
	kW	HP		0	21	27	32	37	42	47	52	57	63		
S6-47/2	5,5	7,5	H m HEAD	46	40	38	36,5	34,5	32	29,5	26,5	23,5	19		
S6-47/3	9,2	12,5		70	60	57,5	55	52	48	44,5	40	35	29		
S6-47/4	11	15		93	80	76,5	73	69	64,5	59	53	47	38,5		
S6-47/5	15	20		116	100	95,5	91,5	86,5	80,5	74	66,5	58,5	48		
S6-47/6	18,5	25		140	120	115	110	104	96,5	89	80	70	57,5		
S6-47/7	18,5	25		163	140	134	128	121	113	103	93	82	67		
S6-47/8	22	30		186	160	153	146	138	129	118	106	93,5	77		
S6-47/9	26	35		209	180	172	165	156	145	133	120	105	86,5		
S6-47/10	30	40		233	200	191	183	173	161	148	133	117	96		
S6-47/11	30	40		256	220	210	201	190	177	163	146	129	105		
S6-47/12	37	50		280	240	229	219	208	193	177	159	140	115		
S6-47/13	37	50		302	260	248	238	225	209	192	173	152	125		
S6-47/14	45	60		326	280	267	256	242	225	207	186	164	134		
S6-47/15	45	60		349	300	286	274	259	241	222	199	175	144		

MOTOR	H	
	mm	kg
6"	579	26
	681	31
	783	37
	885	42
	987	48
	1089	54
	1191	59
	1293	65
	1395	70
	1497	76
	1599	81
	1701	87
	1803	92
	1905	98

S6-59

6" MIXED-FLOW SUBMERSIBLE PUMPS

60 Hz - $n \approx 3450$ rpm



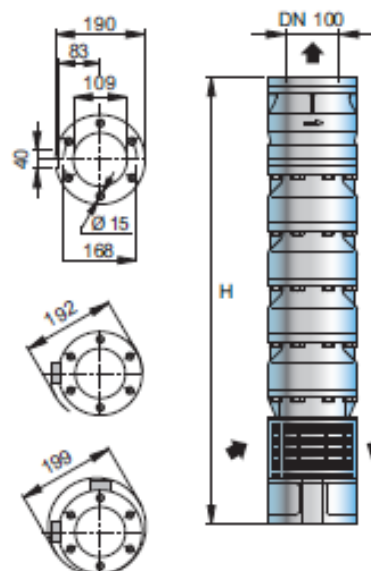
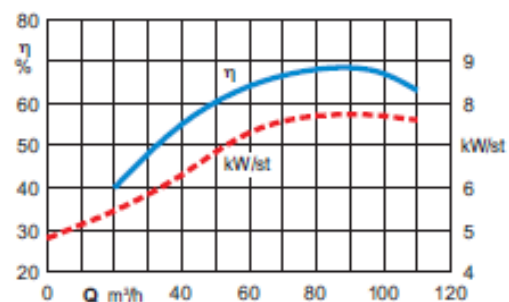
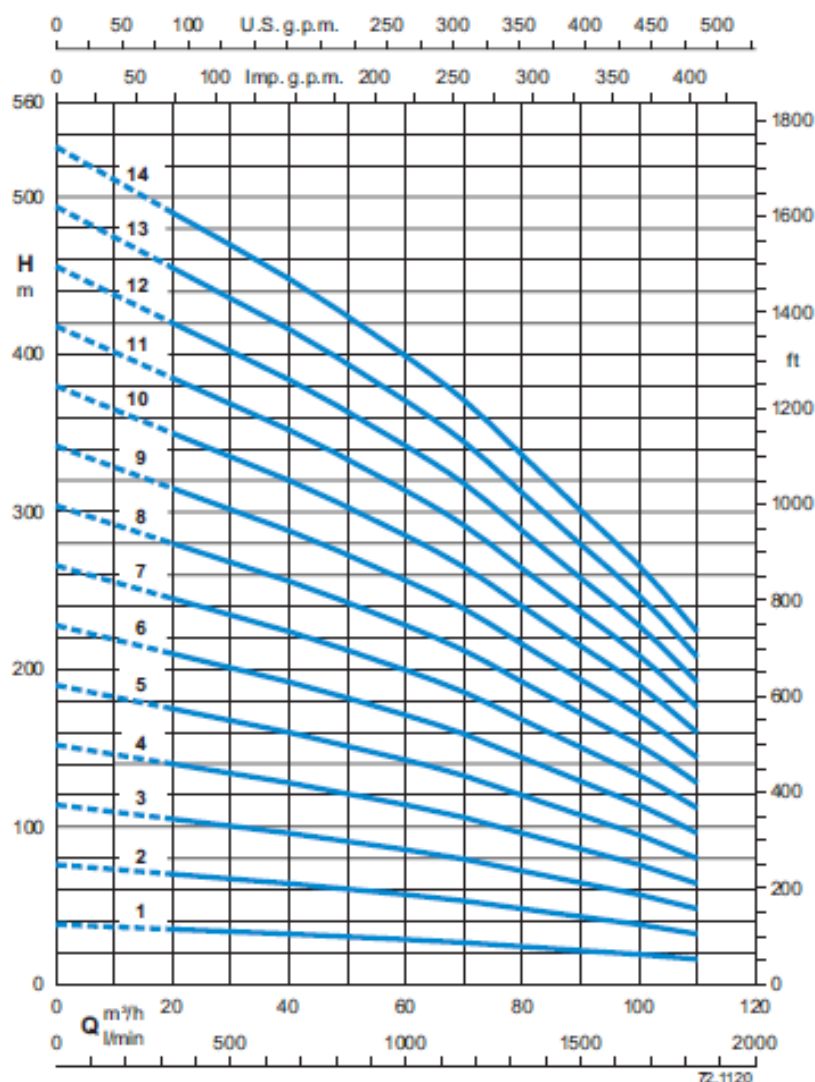
TYPE	MOTOR		Q m³/h	DELIVERY											
	kW	HP		0	36	48	54	60	66	72	78	84	96		
			l/min	0	600	800	900	1000	1100	1200	1300	1400	1600		
S6-59/1	4	5,5	H m HEAD	18	14,5	13	13	12	11,5	10,5	9,5	8,5	6		
S6-59/2	5,5	7,5		36	29	26,5	26	24,5	23	21,5	19,5	17,5	12		
S6-59/3	9,2	12,5		54	43	40	38,5	36,5	35	32,5	29,5	26,5	18		
S6-59/4	11	15		72	57,5	53	51	49	46,5	43	39	35	24		
S6-59/5	15	20		90	72	66	64	61	58	54	49	44	30		
S6-59/6	18,5	25		108	86,5	79	77	73	70	65	59	53	36		
S6-59/7	22	30		126	101	92,5	90	85,5	81	75,5	68,5	61,5	42		
S6-59/8	22	30		144	115	106	102	98	93	86,5	78,5	70,5	48		
S6-59/9	26	35		162	130	119	115	110	104	97	88	79	54		
S6-59/10	30	40		180	144	132	128	122	116	108	98	88	60		
S6-59/11	37	50		198	158	145	141	134	128	119	108	97	66		
S6-59/12	37	50		216	173	158	154	146	139	130	118	106	72		
S6-59/13	45	60		234	187	172	166	159	151	140	127	114	78		
S6-59/14	45	60		252	202	185	179	171	162	151	137	123	84		

MOTOR		
	H mm	kg
6"	477	20
	579	26
	681	31
	783	37
	885	42
	987	48
	1089	54
	1191	59
	1293	65
	1395	70
	1497	76
	1599	81
	1701	87
	1803	92

S10-107

8" MIXED-FLOW SUBMERSIBLE PUMPS

60 Hz - $n \approx 3450$ rpm



TYPE	MOTOR		Q m³/h	DELIVERY										
	kW	HP		0	20	40	50	60	70	75	80	90	100	110
			l/min	0	333	666	833	1000	1166	1250	1333	1500	1666	1833
S10 107/1	7,5	10	H m HEAD	38	35	32	30,5	28,5	26,5	25	24	21,5	19	16
S10 107/2	15	20		76	70	64	61	57	53	50	48	43	38	32
S10 107/3	26	35		114	105	96	91,5	85,5	79,5	75	72	64,5	57	48
S10 107/4	30	40		152	140	128	122	114	106	100	96	86	76	64
S10 107/5	37	50		190	175	160	153	143	133	125	120	108	95	80
S10 107/6	45	60		228	210	192	183	171	159	150	144	129	114	96
S10 107/7	55	75		266	245	224	214	200	186	175	168	151	133	112
S10 107/8	59	80		304	280	256	244	228	212	200	192	172	152	128
S10 107/9	66	90		342	315	288	275	257	239	225	216	194	171	144
S10 107/10	75	100		380	350	320	305	285	265	250	240	215	190	160
S10 107/11	92	125		418	385	352	336	314	292	275	264	237	209	176
S10 107/12	92	125		456	420	384	366	342	318	300	288	258	228	192
S10 107/13	92	125		494	455	416	397	371	345	325	312	280	247	208
S10 107/14	110	150		532	490	448	427	399	371	350	336	301	266	224

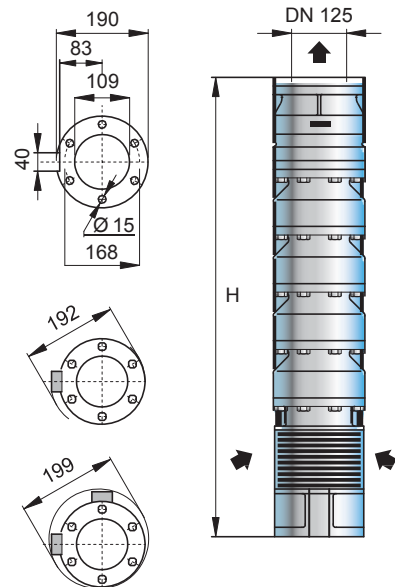
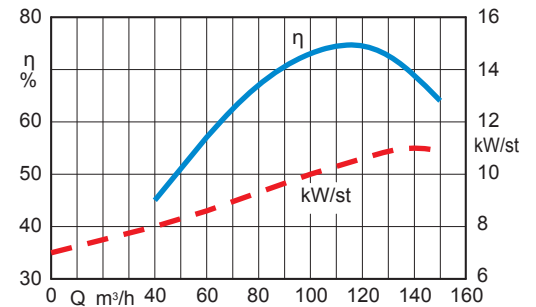
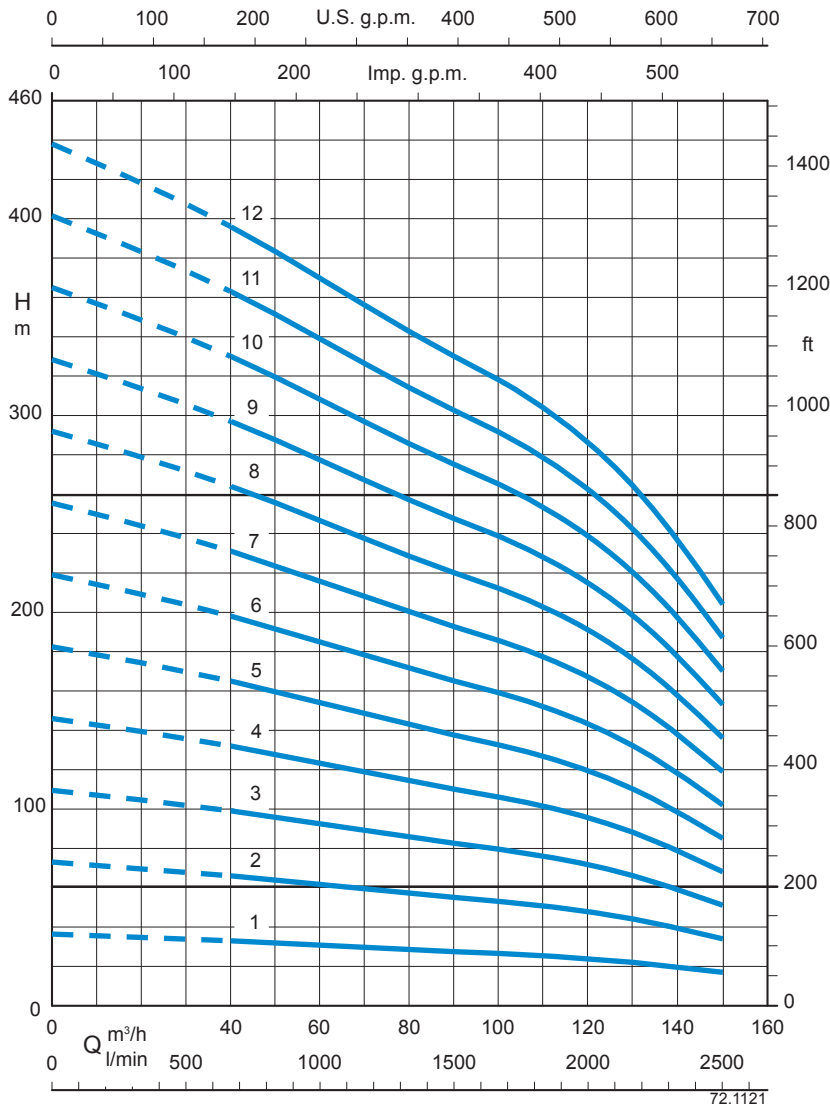
MOTOR	H mm	kg
6"	607	40
	742	52
	877	62
	1012	73
8"	1191	88
	1326	98
	1461	109
	1596	120
	1731	131
	1866	143
	2001	153
10"	2136	165
	2271	175
10"	2406	185

The encumbered dimensions and weight are indicative.

S10-110

8" MIXED-FLOW SUBMERSIBLE PUMPS

60 Hz - $n \approx 3450$ rpm



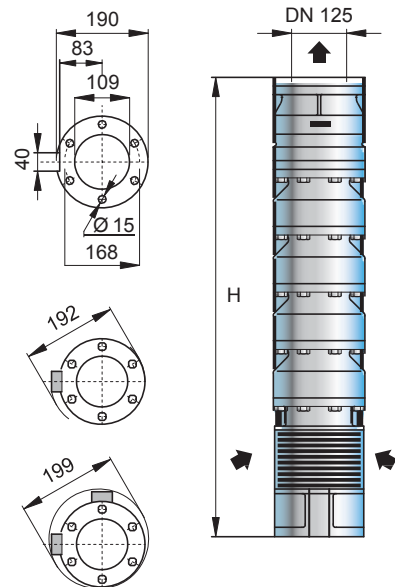
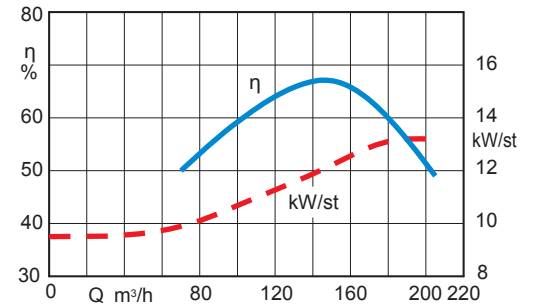
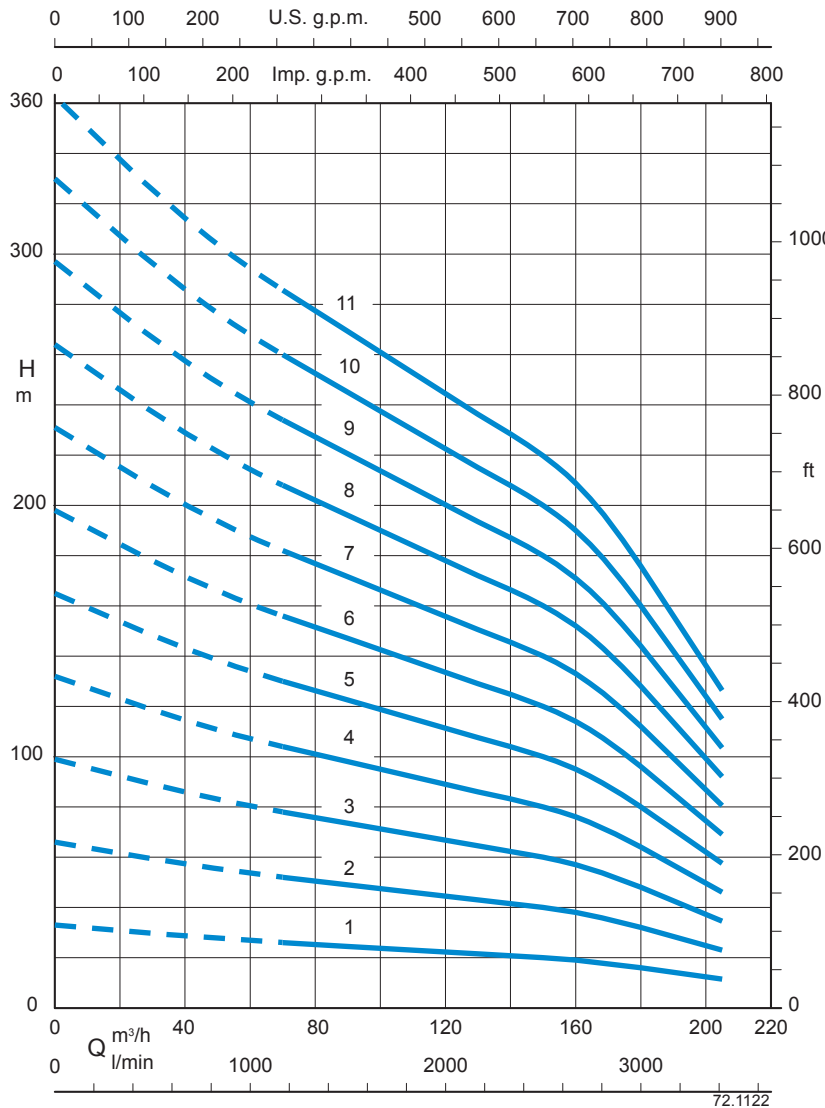
TYPE	MOTOR		Q m^3/h l/min	DELIVERY										
	kW	HP		0	40	60	70	80	90	100	110	120	130	150
S10 110/1	11	15	H m HEAD	36	33	30,5	29,5	28,5	27,5	26,5	25,5	24	22	17
S10 110/2	22	30		73	66	61	59	57	55	53	51	48	44	34
S10 110/3	30	40		109	99	91,5	88,5	85,5	82,5	79,5	76,5	72	66	51
S10 110/4	45	60		146	132	122	118	114	110	106	102	96	88	68
S10 110/5	51	70		183	165	153	148	143	138	133	128	120	110	85
S10 110/6	59	80		220	198	183	177	171	165	159	153	144	132	102
S10 110/7	75	100		256	231	214	207	200	193	186	179	168	154	119
S10 110/8	92	125		293	264	244	236	228	220	212	204	192	176	136
S10 110/9	92	125		329	297	275	266	257	248	239	230	216	198	153
S10 110/10	110	150		366	330	305	295	285	275	265	255	240	220	170
S10 110/11	132	180		402	363	336	325	314	303	292	281	264	242	187
S10 110/12	132	180		440	396	366	354	342	330	318	306	288	264	204

MOTOR	H mm	kg
6"	607	40
	742	52
	877	62
8"	1012	73
	1191	88
	1326	98
	1461	109
	1596	120
10"	1731	131
	1866	143
	2001	153
	2136	165

S10-115

8" MIXED-FLOW SUBMERSIBLE PUMPS

60 Hz - $n \approx 3450$ rpm



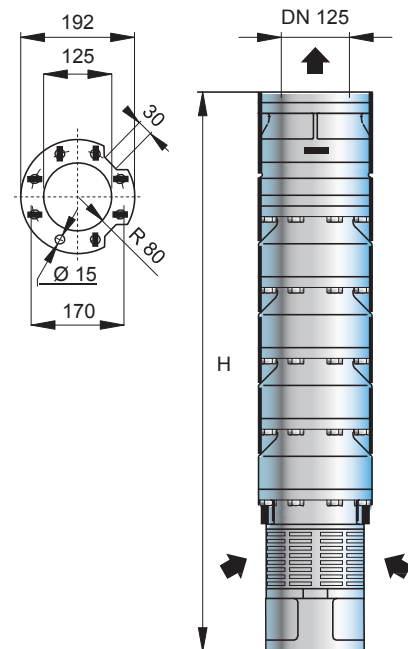
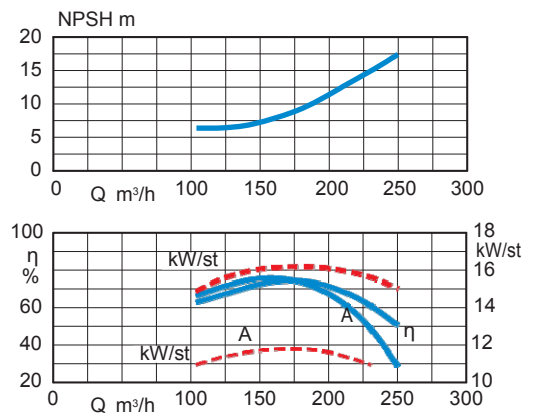
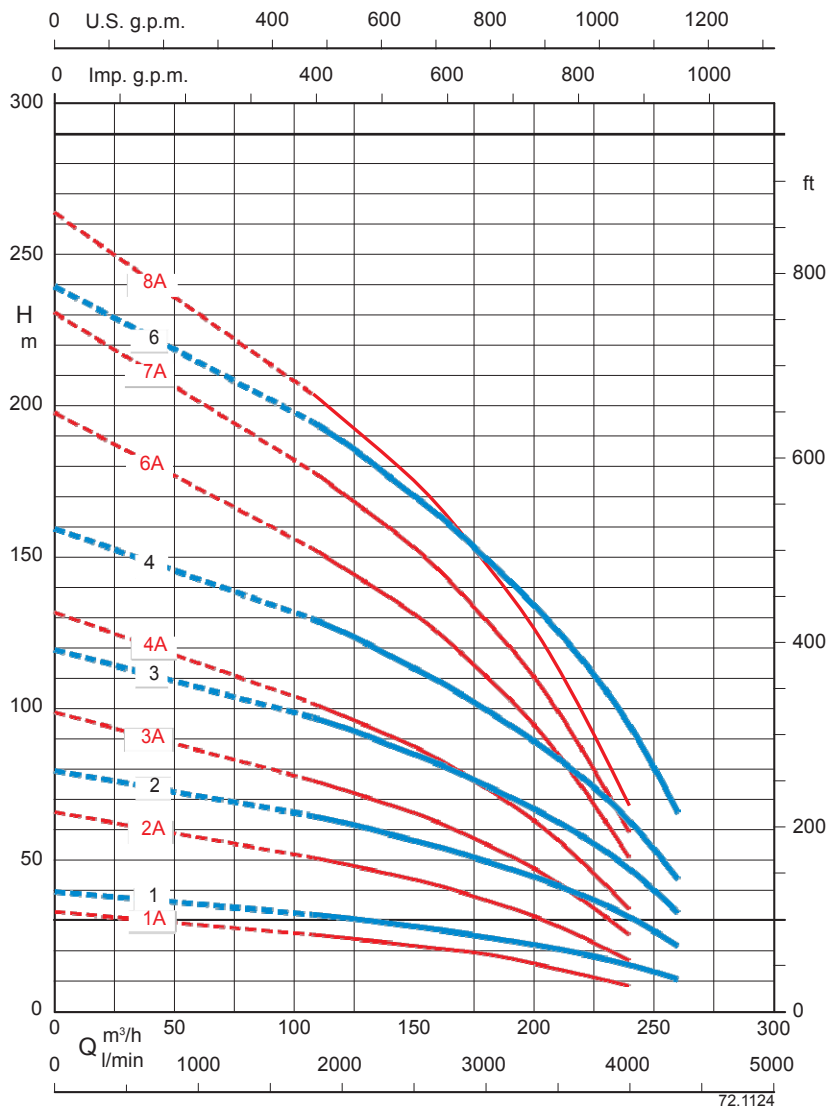
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	kW	HP		0	70	90	110	120	130	140	150	160	180	205
S10 115/1	15	20	H m HEAD	0	1166	1500	1833	2000	2166	2333	2500	2666	3000	3416
S10 115/2	30	40		33	26	24,5	22,5	22	21,5	20,5	20	19	16	11,5
S10 115/3	45	60		66	52	49	45	44	43	41	40	38	32	23
S10 115/4	51	70		100	78	73,5	67,5	66	64,5	61,5	60	57	48	34,5
S10 115/5	66	90		133	104	98	90	88	86	82	80	76	64	46
S10 115/6	75	100		166	130	123	113	110	108	103	100	95	80	57,5
S10 115/7	92	125		199	156	147	135	132	129	123	120	114	96	69
S10 115/8	92	125		233	182	172	158	154	151	144	140	133	112	80,5
S10 115/9	110	150		266	208	196	180	176	172	164	160	152	128	92
S10 115/10	132	180		299	234	221	203	198	194	185	180	171	144	104
S10 115/11	150	200		333	260	245	225	220	215	205	200	190	160	115
				366	286	270	248	242	237	226	220	209	176	127

MOTOR	H mm	kg
6"	607	40
	742	52
8"	877	62
	1012	73
	1191	88
	1326	98
	1461	109
10"	1596	120
	1731	131
	1866	143
	2017	154

S10-117

8" MIXED-FLOW SUBMERSIBLE PUMPS

60 Hz - $n \approx 3450$ rpm



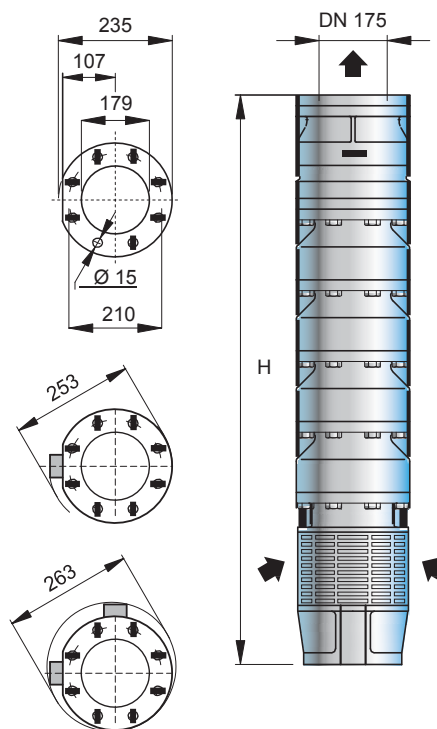
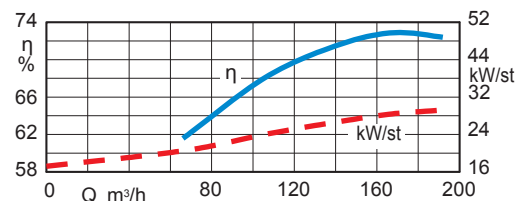
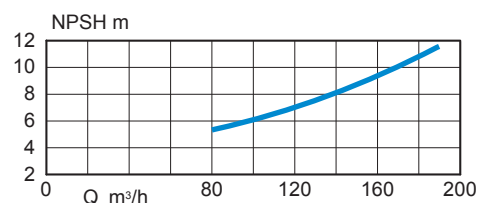
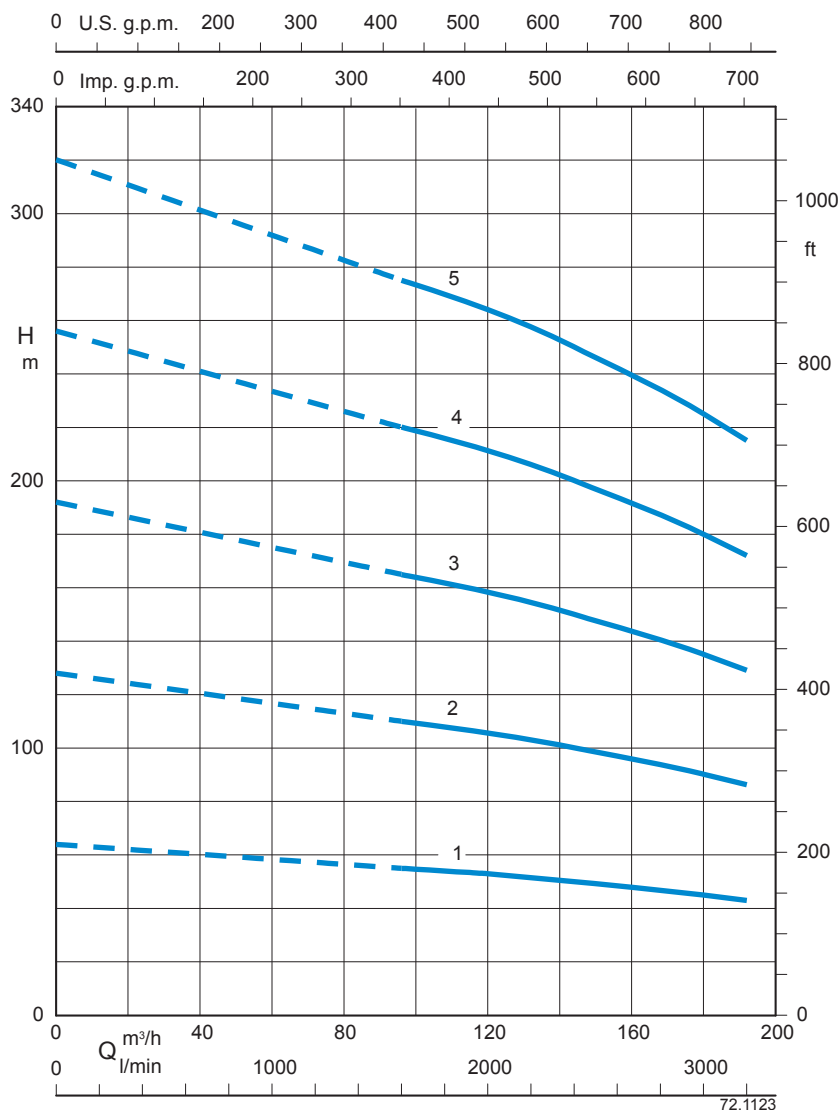
TYPE	MOTOR		Q m³/h l/min	DELIVERY											
	kW	HP		0	108	126	144	160	180	200	220	240	260		
S10-117/1A	13	17,5	H m HEAD	0	1800	2100	2400	2667	3000	3333	3667	4000	4333		
S10-117/1	18,5	25		33	25,5	24	22,5	21	18,5	16	12,5	8,5			
S10-117/2A	22	30		40	32,5	31	29	27,5	25	22,5	19,5	16	11		
S10-117/2	30	40		66	51	48	45	42	37	32	25	17			
S10-117/3A	37	50		80	65	62	58	55	50	45	39	32	22		
S10-117/3	51	70		99	76,5	72	67,5	63	55,5	48	37,5	25,5			
S10-117/4A	45	60		120	97,5	93	87	82,5	75	67,5	58,5	48	33		
S10-117/4	66	90		132	102	96	90	84	74	64	50	34			
S10-117/6A	75	100		160	130	124	116	110	100	90	78	64	44		
S10-117/7A	83	113		198	153	144	135	126	111	96	75	51			
S10-117/6	110	150		231	178,5	168	157,5	147	129,5	112	87,5	59,5			
S10-117/8A	92	125		240	195	186	174	165	150	135	117	96	66		
				264	204	192	180	168	148	128	110	68			

MOTOR	H mm	kg
6"	610	39
	610	39
	750	50,5
	750	50,5
8"	890	62
	890	62
	1030	73,5
	1030	73,5
	1310	96,5
	1450	108
	1310	96,5
	1590	119,5

S12-716

10" MIXED-FLOW SUBMERSIBLE PUMPS

60 Hz - $n \approx 3450$ rpm



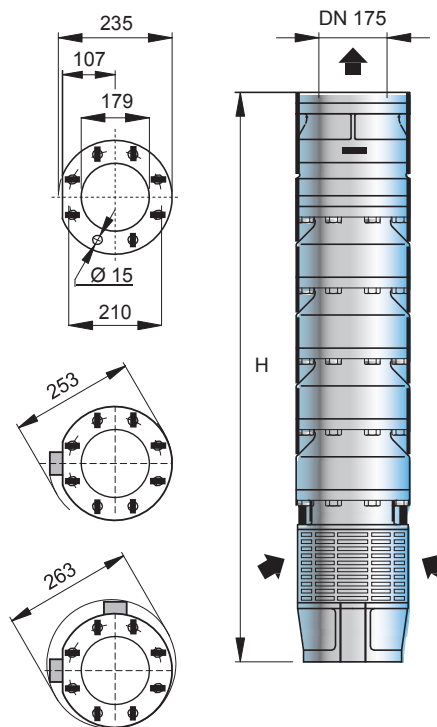
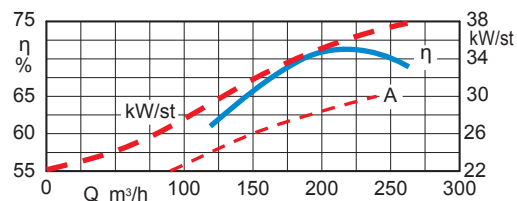
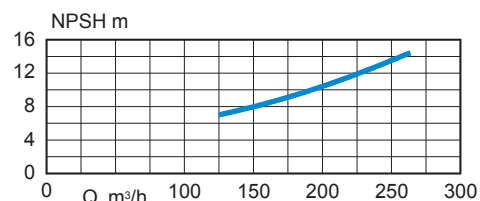
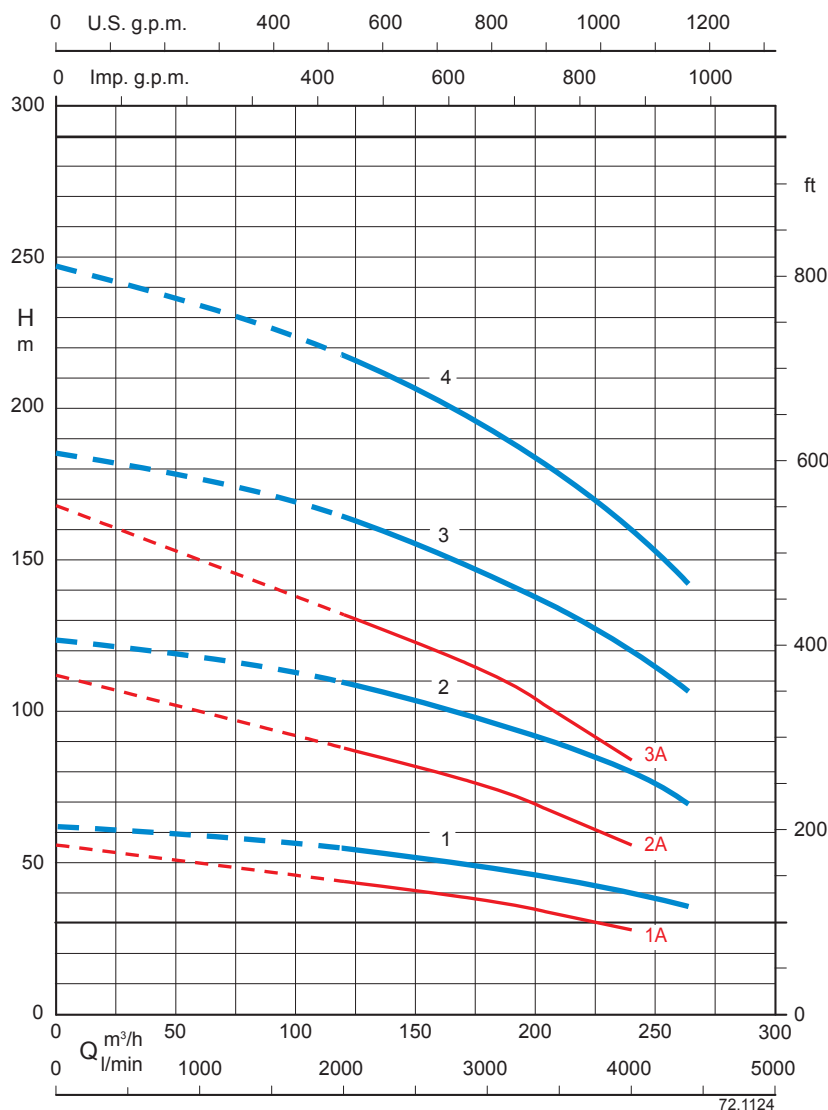
TYPE	MOTOR		Q m³/h	DELIVERY									
				0	96	120	150	160	168	175	180	192	
	kW	HP	l/min	0	1600	2000	2500	2666	2800	2916	3000	3200	
S12 716/1	37	50	H m HEAD	64	55	53	49	48	47	46	45	43	
S12 716/2	75	100		128	110	106	98	96	94	92	90	86	
S12 716/3	110	150		192	165	159	147	144	141	138	135	129	
S12 716/4	132	180		256	220	212	196	192	188	184	180	172	
S12 716/5	150	200		320	275	265	245	240	235	230	225	215	

MOTOR	H	
	mm	kg
8"	831	77
	1029	103
10"	1199	126
	1369	150
	1539	173

S12-719

10" MIXED-FLOW SUBMERSIBLE PUMPS

60 Hz - $n \approx 3450$ rpm



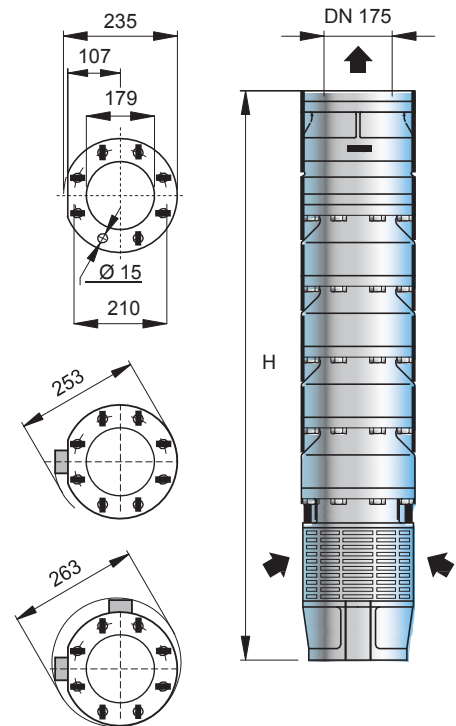
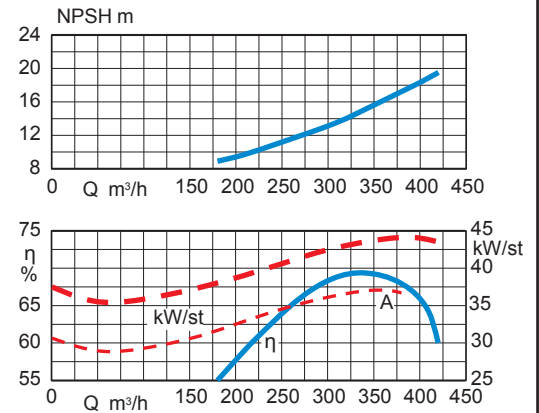
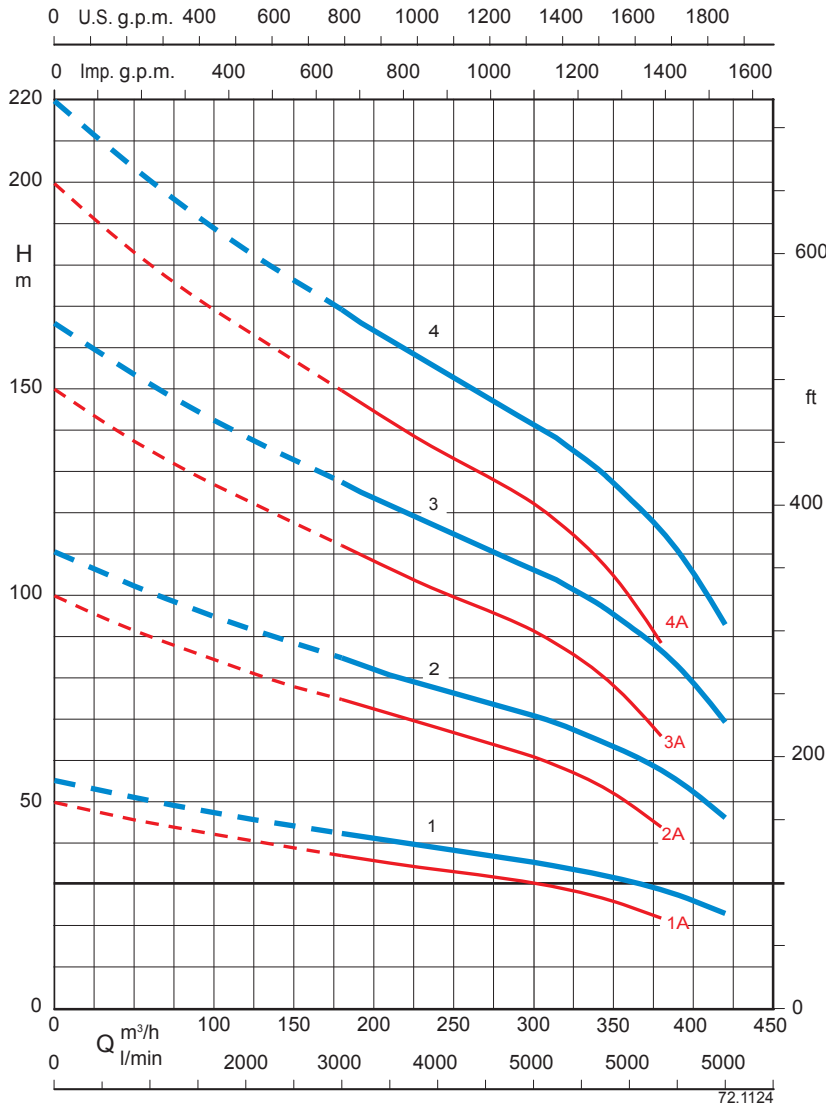
TYPE	MOTOR		Q m³/h	DELIVERY									
				0	120	168	192	204	216	228	240	264	
	kW	HP	l/min	0	2000	2800	3200	3400	3600	3800	4000	4400	
S12 719/1A	30	40	H m HEAD	56	44	39	36	34	32	30	28		
S12 719/1	37	50		62	55	49	46	44	41	40	39	35	
S12 719/2A	59	80		112	88	78	72	68	64	60	56		
S12 719/2	75	100		124	110	99	92	88	83	80	78	69	
S12 719/3A	92	125		168	132	117	108	102	96	90	84		
S12 719/3	110	150		186	164	150	138	132	125	120	116	104	
S12 719/4	150	200		248	219	199	184	176	166	160	155	149	

MOTOR	H mm	kg
6"	831	78
8"	831	78
	1029	103
	1029	103
10"	1199	127
	1199	127
	1369	151

S12-728

10" MIXED-FLOW SUBMERSIBLE PUMPS

60 Hz - $n \approx 3450$ rpm

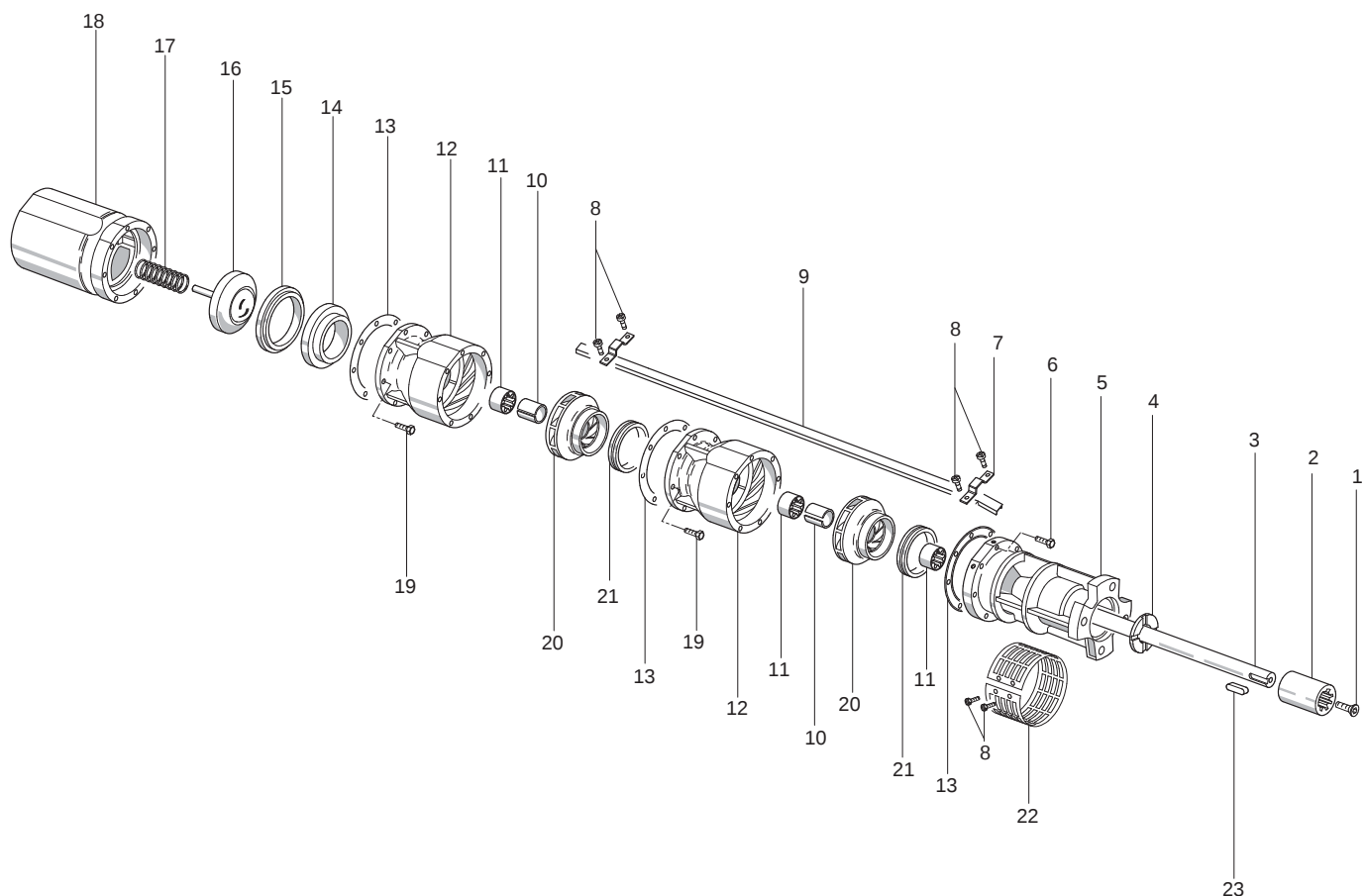


TYPE	MOTOR		Q m³/h	DELIVERY									
	kW	HP		0	180	240	280	300	320	340	380	420	
			l/min	0	3000	4000	4667	5000	5333	5667	6333	7000	
S12 728/1A	37	50	H m HEAD	50	38	34	32	31	29	27	22		
S12 728/1	45	60		55	43	38	37	36	34	33	29	23	
S12 728/2A	75	100		100	75	67	64	61	58	54	44		
S12 728/2	92	125		110	85	77	73	71	68	65	58	46	
S12 728/3A	110	150		150	113	101	96	92	87	82	66		
S12 728/3	132	180		165	128	115	109	107	103	98	87	69	
S12 728/4A	150	200		200	150	134	128	122	116	108	88		
S12 728/4	185	250		220	170	154	146	142	136	130	116	92	

MOTOR		
	H mm	kg
8"	831	78
	831	78
	1029	103
	1029	103
10"	1199	127
	1199	127
	1369	151
	1369	151

S6

Drawing for dismantling and assembly

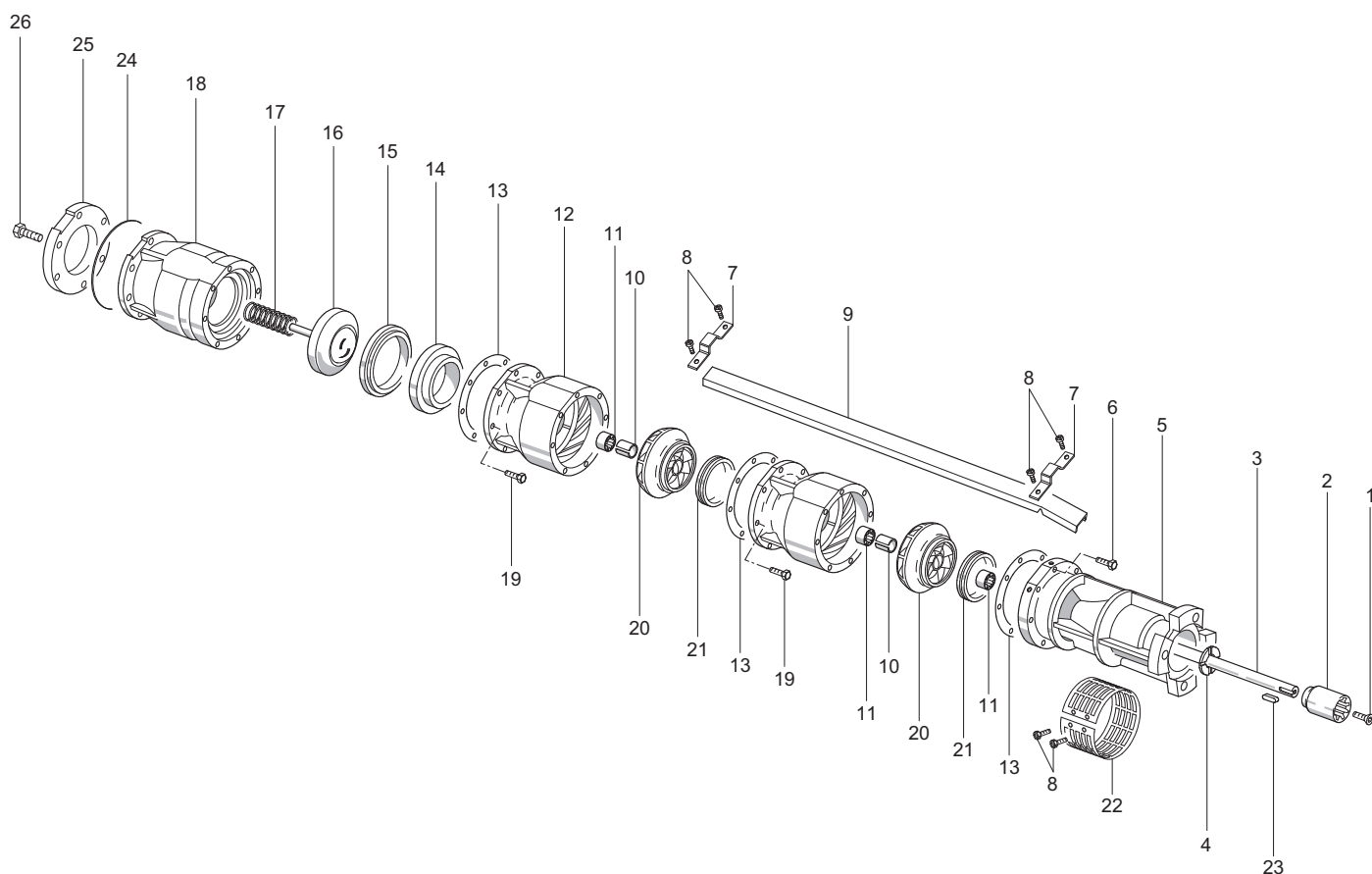


Pos. N°	DENOMINATION	Q.ty.
1	Joint screw M10x16	1
2	Joint	1
3	Shaft	1
4	Pump thrust bearing	1
5	In-let support	1
6	Screw M8x25	8
7	Cable cover clips	2
8	Screw M5x10	6
9	Cable cover	1
10	Conic bushing	1 x st
11	Bushing	1 x st
12	Diffuser	1 x st
13	Gasket	1 x st
14	Valve seat	1
15	Valve gasket	1
16	Retaining valve	1
17	Spring	1
18	Delivery support	1
19	Screw M8x20	8 x st
20	Impeller	1 x st
21	Impeller ring	1 x st
22	Suction screen	1
23	Joint key	1

To order spare parts, please specify :

- description,
- reference number,
- pump type

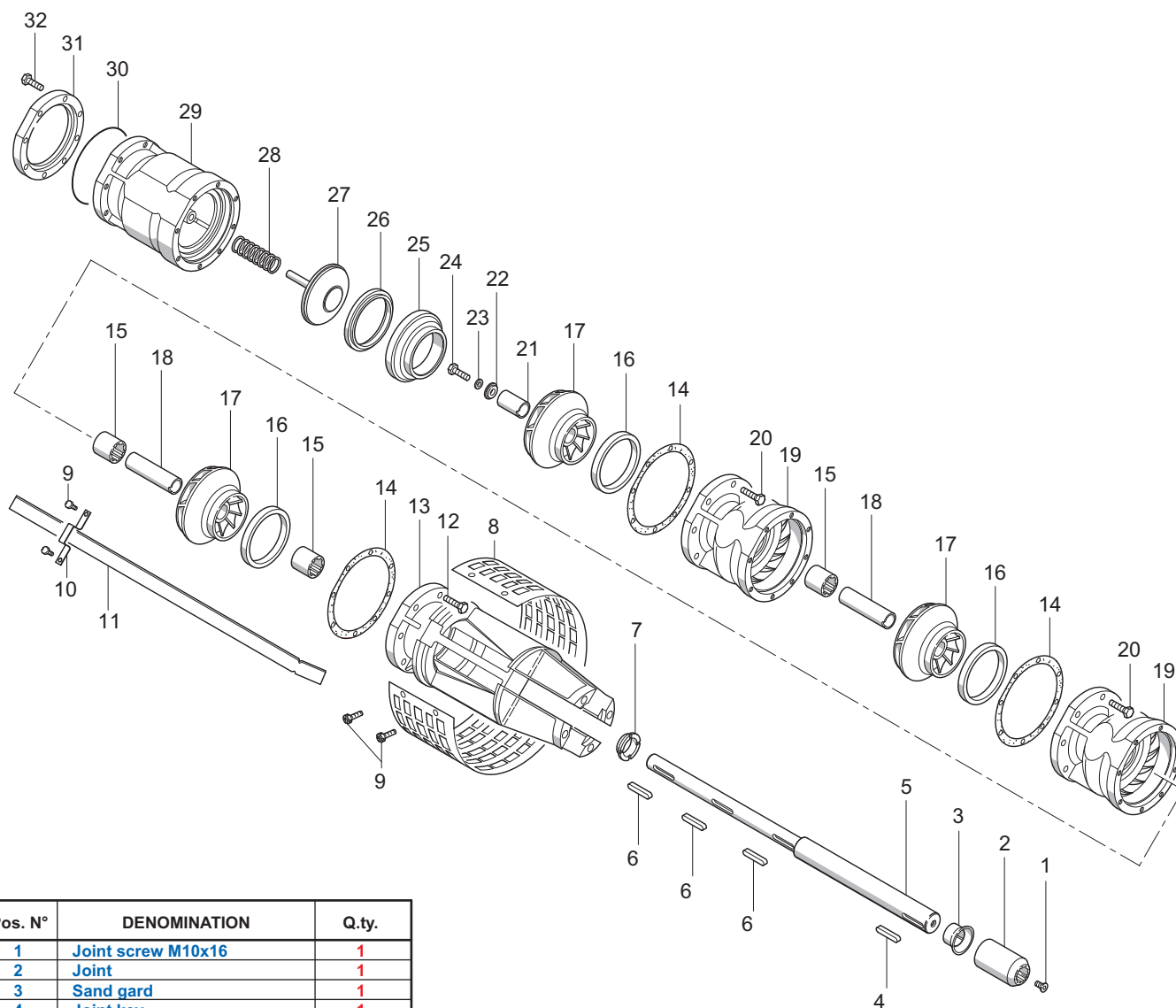
Drawing for dismantling and assembly



Pos. N°	DENOMINATION	Q.ty.
1	Joint screw M10x16	1
2	Joint	1
3	Shaft	1
4	Pump thrust bearing	1
5	In-let support	1
6	Screw M10x30	8
7	Clamp	2
8	Screw M5x10	6
9	Cable cover	1
10	Conic bushing	1 x st
11	Bushing	1 x st
12	Diffuser	1 x st
13	Gasket	1 x st
14	Valve seat	1
15	Valve gasket	1
16	Retaining valve	1
17	Spring	1
18	Delivery support	1
19	Screw M10x25	8 x st
20	Impeller	1 x st
21	Impeller ring	1 x st
22	Suction screen	1
23	Joint key	1
24	Flange OR	1
25	Flange	1
26	Screw M14x35	6

To order spare parts, please specify :

- description,
- reference number,
- pump type



Pos. N°	DENOMINATION	Q.ty.
1	Joint screw M10x16	1
2	Joint	1
3	Sand gard	1
4	Joint key	1
5	Shaft	1
6	Impeller key	1 x st
7	Pump thrust bearing	1
8	Suction screen	1
9	Screw M5x10	4
10	Clamp	1
11	Cable cover	1
12	Screw M12x40	8
13	In-let support	1
14	Gasket	1 x st
15	Bushing	1 x st
16	Impeller ring	1 x st
17	Impeller	1 x st
18	Chromate bushing	1 x st
19	Diffuser	1 x st
20	Screw M12x35	8 x st
21	Head bushing	1
22	Washer	1
23	Grover M12	1
24	Screw M12x30	1
25	Valve seat	1
26	Valve gasket	1
27	Retaining valve	1
28	Spring	1
29	Delivery support	1
30	OR	1
31	Flange	1
32	Screw M14x35	8

To order spare parts, please specify :
 - description,
 - reference number,
 - pump type