SMC6

SUBMERSIBLE PUMPS



SMC6

TECHNICAL DATA

Operating range: up to 84 m^3/h with head up to 452 m
Pumped liquid: clean, free of solids and abrasives, chemically neutral, with properties similar to water
Starts/hour: see the coupled motor
Cooling flow: see the coupled motor
Maximum permitted amount of sand: 40 g/m^3
Ambient temperature: 30 °C
Minimum recommended level on suction line: 1 m
Installation: horizontal or vertical

Electric pumps complying with the 2009/125/EC Directive (EcoDesign - ErP)
M.E.I. ≥ 0,40

APPLICATIONS

Multistage semiaxial submersible electric pumps for wells measuring 6" or above, able to generate a broad range of flow rates and heads.
They are used extensively for the lifting, distribution and pressurisation of industrial water systems, the supply of pressure vessels and tanks, firefighting systems and irrigation systems.
Application with clean, non-aggressive water free from solids or abrasive substances.

CONSTRUCTION FEATURES OF THE PUMP

Cast iron pump body treated with cataphoresis paint coating and dynamically balanced impellers in microcast AISI 304 stainless steel coupled on the shaft with pull tab. Shaft guided with coaxial bush bearings and fully protected with bushes.

Pump with check valve of low pressure loss.
Threaded delivery port.

Coupling with motors of 4", 6" or 8" depending on the required hydraulic power:
4GG: encapsulated 4" submersible motor
4OL: 4" submersible motor in oil bath
6GF: encapsulated 6" submersible motor
TR6: rewindable 6" submersible motor
TR8: rewindable 8" submersible motor
Refer to the technical data sheets of the specific model for the electrical characteristics of the coupled motors and the specifications for operation with inverter.

ON REQUEST

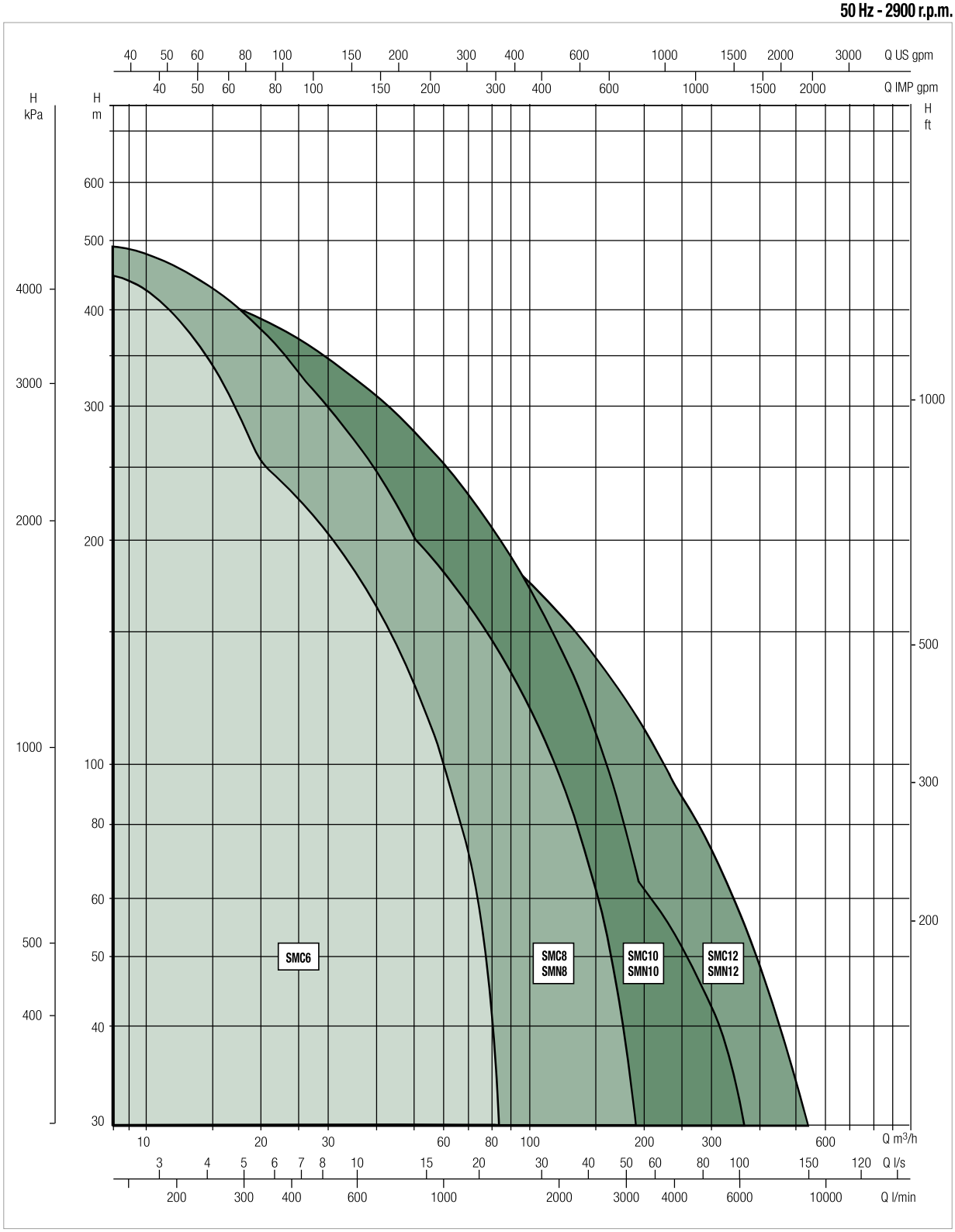
Motor in AISI 316 stainless steel for use in aggressive water.
Non-standard pump/motor couplings.
Star/Delta starting version.
Motor version for high temperature of water.

PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

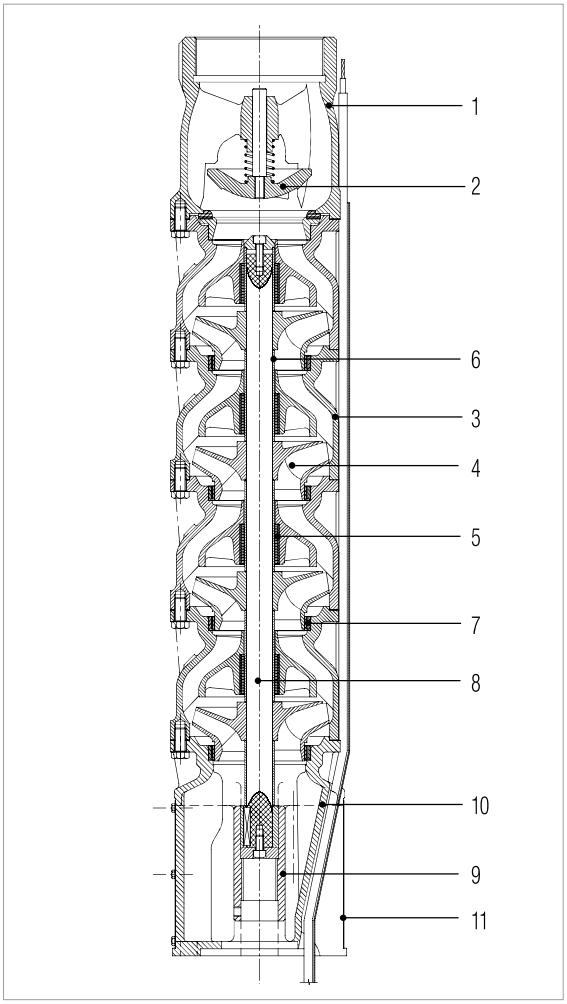
GRAPHIC SELECTION TABLE

50 Hz - 2900 r.p.m.

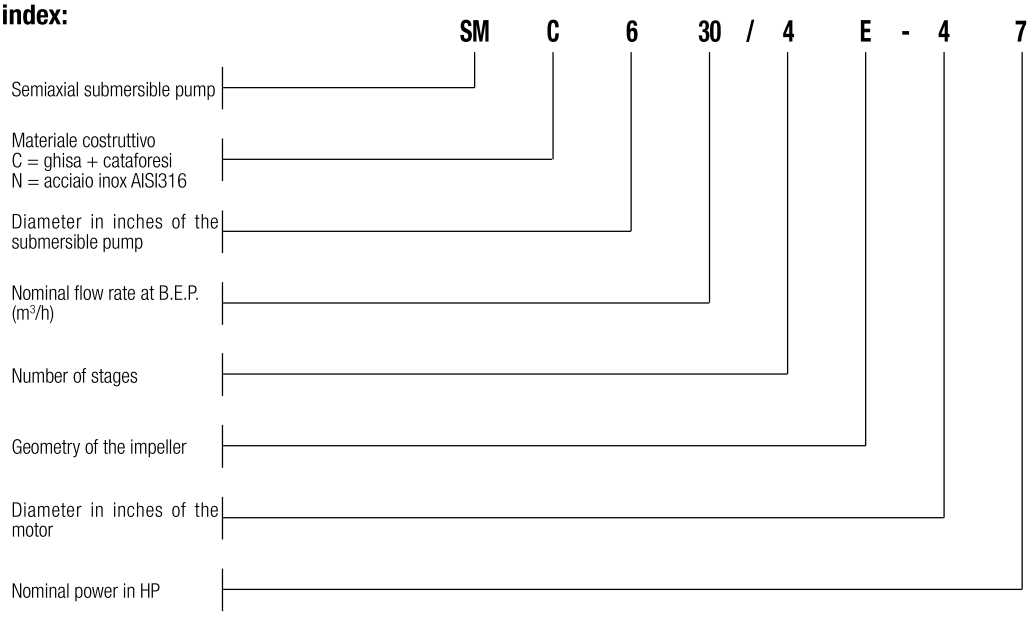


MATERIALS

N°	PARTS	MATERIALS
1	DELIVERY BODY	CAST IRON + CATAPHORESIS
2	NON-RETURN VALVE	STAINLESS STEEL
3	DIFFUSER	CAST IRON + CATAPHORESIS
4	IMPELLER	AISI 304 STAINLESS STEEL
5	GUIDE BEARING	RUBBER
6	BUSH	CHROME-PLATED BRASS
7	WEAR RING	RUBBER FOR SMC6 30
	WEAR RING	STEEL FOR SMC6 45 AND SMC6 60
8	PUMP SHAFT	STAINLESS STEEL
9	PIPE	STAINLESS STEEL
10	SUCTION BODY	CAST IRON + CATAPHORESIS
11	FILTER GRID	STAINLESS STEEL



– Denomination index:
(example)



DAB PUMPS reserves the right to make modifications without notice.

SMC6 30
SUBMERSIBLE PUMPS

PERFORMANCE AT 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA													COUPLING STANDARD MOTOR
	P2 NOMINAL		Q=m³h	0	9	12	15	18	21	24	27	30	33	36	42	
	kW	HP	Q=l/min	0	150	200	250	300	350	400	450	500	550	600	700	
30/4E	5,5	7,5	H (m)	66,5	63	62	60,5	59	57	54,5	51,5	47,5	42,5	36,5	23	4"
30/5E	7,5	10		83	79	77	75,5	73,5	71	68	64	59	53	45	28,5	6"
30/7G	9,3	12,5		113	107,5	105,5	102,5	99	95,5	90	84	76,5	67,5	56,5	32,5	6"
30/8E	11	15		133	126	123,5	120,5	117,5	113,5	108,5	102	94	84	71,5	45	6"
30/10F	13	17,5		161,5	150,5	148	144,5	140,5	136	129	120	109	96	79,5	49	6"
30/11E	15	20		182,5	171	167,5	164	159,5	154,5	147	137,5	125,5	111	93	58	6"
30/12E	18,5	25		199,5	186,5	183	178,5	174	168,5	160	149,5	136,5	121	101,5	63,5	6"
30/14E	18,5	25		232,5	217,5	213,5	208,5	203	196,5	187	174,5	159,5	141	118	73,5	6"
30/15E	22	30		249	233	228,5	223,5	217,5	210,5	200	187	170,5	151	126,5	79	6"
30/17F	22	30		274,5	256	251,5	245,5	239	230,5	219	204	185	162,5	135	82	6"
30/20F	26	35		322,5	304	297,5	290	282	272,5	259	240,5	217,5	189	155	92,5	6"
30/22E	30	40		361	339	332	325	318	306	291	271,5	246	215	177	106,5	6"
30/25F	37	50		403	380	372	362,5	352,5	340,5	323,5	301	271,5	236	193,5	115,5	6"
30/28F	37	50		451,5	425,5	416,5	405,5	394,5	381,5	362	337	304	264,5	216,5	129	6"

ELECTRICAL DATA AND DIMENSIONS

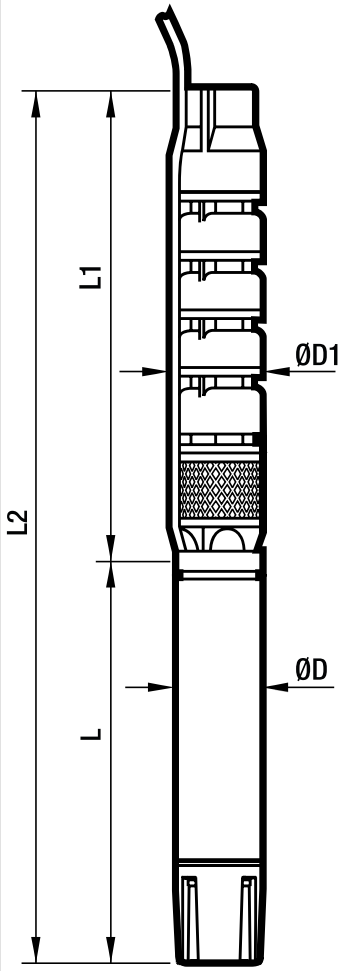
MODEL	MOTOR *	ELECTRICAL DATA			OPERATION WITH INVERTER	HORIZONTAL INSTALLATION	L2 mm	L mm	L1 mm	D mm	D1 mm	DN GAS	HYDRAULIC WEIGHT Kg	MOTOR WEIGHT Kg
		P2 NOMINAL		In A										
		kW	HP											
30/4E-47	4GG	5,5	7,5	14	●	●	1318	684	634	93	150	2 ½"	28	27
	4OL	5,5	7,5	13,1	●	●	1292	658	634	93	150	2 ½"	28	24
30/5E-610	6GF	7,5	10	18	●	●	1371	661	710	141	150	2 ½"	33	47
	TR6	7,5	10	18	O	●	1527	817	710	144	150	2 ½"	33	53
30/7G-612	6GF	9,3	12,5	22	●	●	1561	686	875	141	150	2 ½"	42	50
	TR6	9,3	12,5	21	O	●	1722	847	875	144	150	2 ½"	42	55
30/8E-615	6GF	11	15	25,5	●	●	1689	731	958	141	150	2 ½"	46	55
	TR6	11	15	25	O	●	1835	877	958	144	150	2 ½"	46	60
30/10F-617	6GF	13	17,5	28,7	●	●	1884	761	1123	141	150	2 ½"	55	58
	TR6	13	17,5	29	O	●	2030	907	1123	144	150	2 ½"	55	63
30/11E-620	6GF	15	20	33,4	●	●	1991	786	1205	141	150	2 ½"	60	61
	TR6	15	20	32	O	●	2182	977	1205	144	150	2 ½"	60	77
30/12E-625	6GF	18,5	25	41	●	●	2149	861	1288	141	150	2 ½"	65	69
	TR6	18,5	25	39	O	●	2325	1037	1288	144	150	2 ½"	65	83
30/14E-625	6GF	18,5	25	41	●	●	2314	861	1453	141	150	2 ½"	74	69
	TR6	18,5	25	39	O	●	2490	1037	1453	144	150	2 ½"	74	83
30/15E-630	6GF	22	30	47	●	●	2456	921	1535	141	150	2 ½"	78	74
	TR6	22	30	49	O	●	2602	1067	1535	144	150	2 ½"	78	95
30/17F-630	6GF	22	30	47	●	●	2621	921	1700	141	150	2 ½"	88	74
	TR6	22	30	49	O	●	2767	1067	1700	144	150	2 ½"	88	95
30/20F-635	6GF	26	35	57	●	●	2928	980	1948	141	153	2 ½"	101	78
	TR6	26	35	58	O	●	3085	1137	1948	144	153	2 ½"	101	103
30/22E-640	6GF	30	40	61,5	●	●	3164	1051	2113	141	153	2 ½"	110	89
	TR6	30	40	65	O	●	3305	1192	2113	144	153	2 ½"	110	110
30/25F-650	6GF	37	50	79,3	●	●	3541	1181	2360	141	153	2 ½"	124	102
	TR6	37	50	80	O	●	3652	1292	2360	144	153	2 ½"	124	113
30/28F-650	6GF	37	50	79,3	●	●	3789	1181	2608	141	153	2 ½"	138	102
	TR6	37	50	80	O	●	3900	1292	2608	144	153	2 ½"	138	113

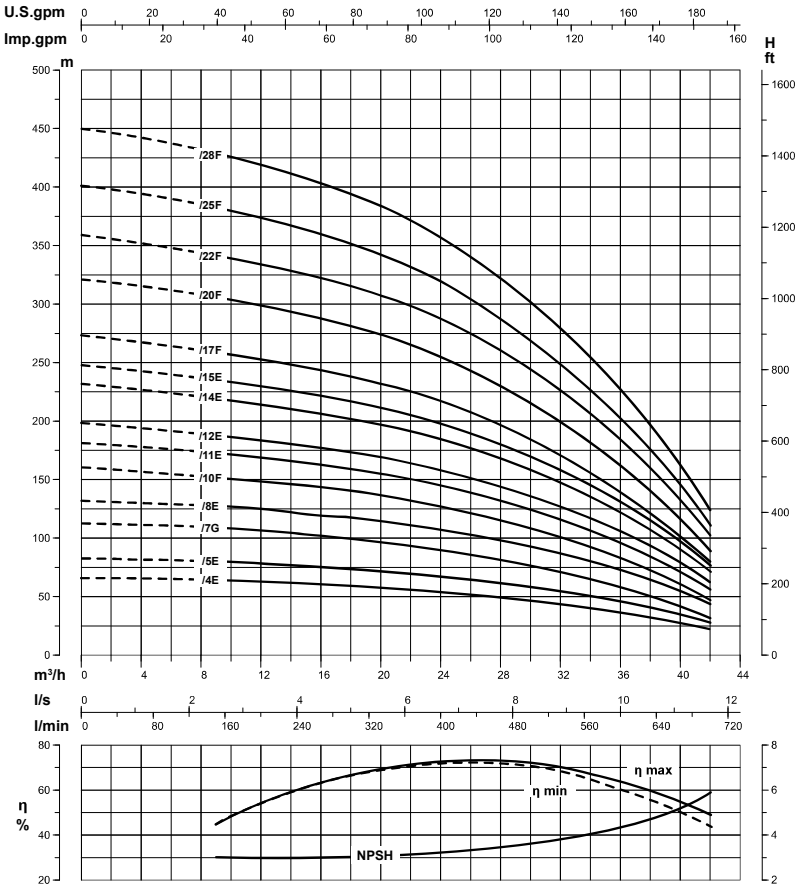
*** 4GG motor: 4**" water-filled motor with stator immersed in thermosetting insulating resin with high heat dissipation capacity
4OL motor: 4" oil-filled rewindable motor
6GF motor: 6" encapsulated water-gycol-filled motor with stator immersed in thermosetting insulating resin
TR motor: 6" - 12" water-filled rewindable motor

●	Permitted
O	Only version PE2 + PA
Δ	Contact our sales network

SMC6 30

SUBMERSIBLE PUMPS





Performance at 50 Hz 2 poles. The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

Compliance with MEI

SMC6 45

SUBMERSIBLE PUMPS

PERFORMANCE AT 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA													COUPLING STANDARD MOTOR
	P2 NOMINAL		Q=m3h	0	12	18	24	30	36	42	45	48	54	60	66	
	kW	HP	Q=l/min	0	200	300	400	500	600	700	750	800	900	1000	1100	
45/3H	4	5,5	H (m)	39	35,5	33,5	32	30,5	28,5	26	24,5	23	18,5	14	9	4"
45/4H	5,5	7,5		52	47,5	45	43	41	38,5	35	33	30,5	25,5	19	13	4"
45/5G	7,5	10		70	64	61,5	59,5	57	54	49,5	47	44	37,5	29,5	20	6"
45/6F	9,3	12,5		85,5	78,5	75	72,5	69,5	66	60,5	57,5	53,5	45	35	24,5	6"
45/7E	11	15		101	95,5	92	89	85	80	72,5	68,5	64	53,5	41,5	28,5	6"
45/8E	13	17,5		116	110	106,5	103	99	93	85	80,5	75	63	48	31,5	6"
45/10F	15	20		140,5	130	124,5	119,5	114,5	108	99	93,5	87,5	73,5	57	39,5	6"
45/11F	18,5	25		154,5	143	137	131,5	125,5	118,5	108,5	102,5	96	80,5	62,5	43,5	6"
45/12F	18,5	25		168,5	156	149	143,5	137	129,5	118,5	112	104,5	87,5	68	47	6"
45/13F	22	30		182,5	168,5	161,5	155,5	148,5	140	128	121	113	95	73,5	51	6"
45/14E	22	30		201,5	190,5	183,5	177	169	159	144,5	136	126,5	105,5	81,5	57	6"
45/17F	26	35		238,5	220,5	211	203	194	183	167,5	158	147,5	123,5	95,5	66	6"
45/20F	30	40		280,5	259,5	248,5	238,5	228	215	196,5	186	173,5	145,5	112	75	6"
45/22G	37	50		308	284,5	274	263	250	234	212,5	200,5	187	157	121	78,5	6"
45/24F	37	50		336,5	311	298	286	273,5	258	236	222,5	208	174	134,5	93	6"

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SMC6 45
SUBMERSIBLE PUMPS

ELECTRICAL DATA AND DIMENSIONS

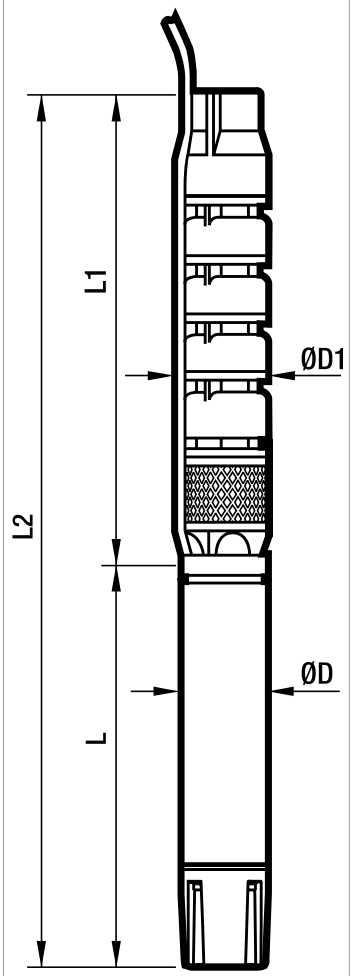
MODEL	MOTOR *	ELECTRICAL DATA			OPERATION WITH INVERTER	HORIZONTAL INSTALLATION	L2 mm	L mm	L1 mm	D mm	D1 mm	DN GAS	HYDRAULIC WEIGHT Kg	MOTOR WEIGHT Kg
		P2 NOMINAL		In A										
		kW	HP											
45/3H-45	4GG	4	5,5	10	●	●	1278	614	664	93	149	3"	26	24
	4OL	4	5,5	9,6	●	●	1252	588	664	93	149	3"	26	17
45/4H-47	4GG	5,5	7,5	14	●	●	1457	684	773	93	149	3"	31	27
	4OL	5,5	7,5	13,1	●	●	1431	658	773	93	149	3"	31	24
45/5G-610	6GF	7,5	10	18	●	●	1549	661	888	141	150	3"	37	47
	TR6	7,5	10	18	O	●	1705	817	888	144	150	3"	37	53
45/6F-612	6GF	9,3	12,5	22	●	●	1689	686	1003	141	150	3"	42	50
	TR6	9,3	12,5	21	O	●	1850	847	1003	144	150	3"	42	55
45/7E-615	6GF	11	15	25,5	●	●	1849	731	1118	141	150	3"	47	55
	TR6	11	15	25	O	●	1995	877	1118	144	150	3"	47	60
45/8E-617	6GF	13	17,5	28,7	●	●	1994	761	1233	141	150	3"	53	58
	TR6	13	17,5	29	O	●	2140	907	1233	144	150	3"	53	63
45/10F-620	6GF	15	20	33,4	●	●	2249	786	1463	141	150	3"	64	61
	TR6	15	20	32	O	●	2440	977	1463	144	150	3"	64	77
45/11F-625	6GF	18,5	25	41	●	●	2439	861	1578	141	150	3"	69	69
	TR6	18,5	25	39	O	●	2615	1037	1578	144	150	3"	69	83
45/12F-625	6GF	18,5	25	41	●	●	2554	861	1693	141	150	3"	74	69
	TR6	18,5	25	39	O	●	2730	1037	1693	144	150	3"	74	83
45/13F-630	6GF	22	30	47	●	●	2729	921	1808	141	153	3"	80	74
	TR6	22	30	49	O	●	2875	1067	1808	144	153	3"	80	95
45/14E-630	6GF	22	30	47	●	●	2844	921	1923	141	153	3"	85	74
	TR6	22	30	49	O	●	2990	1067	1923	144	153	3"	85	95
45/17F-635	6GF	26	35	57	●	●	3248	980	2268	141	153	3"	101	78
	TR6	26	35	58	O	●	3405	1137	2268	144	153	3"	101	103
45/20F-640	6GF	30	40	61,5	●	●	3664	1051	2613	141	153	3"	117	89
	TR6	30	40	65	O	●	3805	1192	2613	144	153	3"	117	110
45/22G-650	6GF	37	50	79,3	●	●	4024	1181	2843	141	153	3"	128	102
	TR6	37	50	80	O	●	4135	1292	2843	144	153	3"	128	113
45/24F-650	6GF	37	50	79,3	●	●	4254	1181	3073	141	153	3"	139	102
	TR6	37	50	80	O	●	4365	1292	3073	144	153	3"	139	113

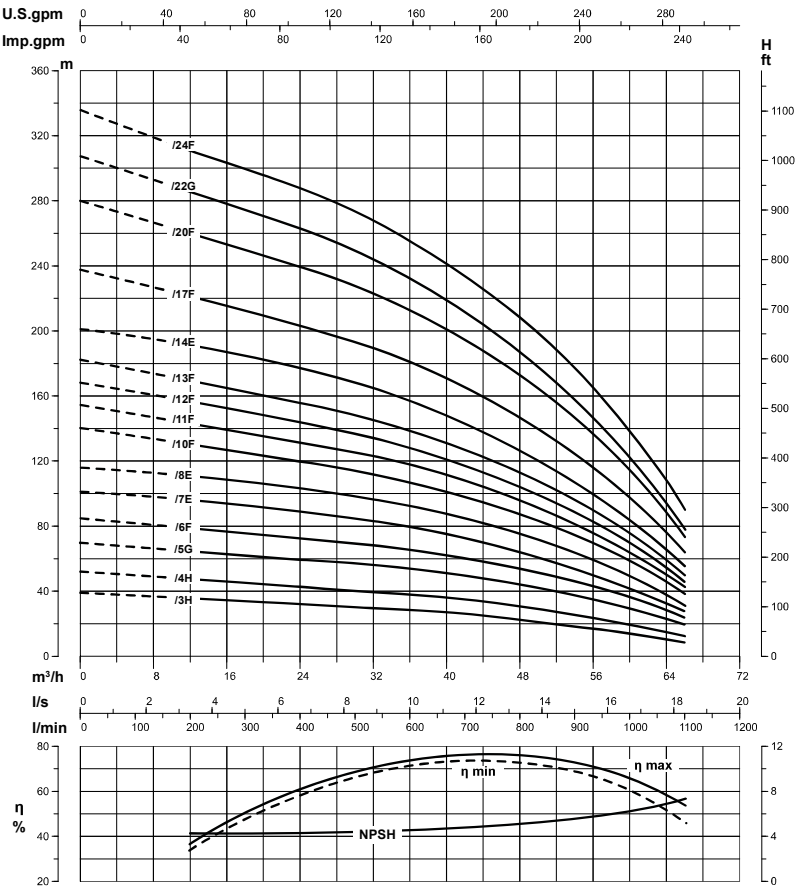
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4OL motor: 4" oil-filled rewindable motor
6GF motor: 6" encapsulated water-gycol-filled motor with stator immersed in thermosetting insulating resin
TR motor: 6" - 12" water-filled rewindable motor

●	Permitted
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Performance at 50 Hz 2 poles. The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.
Compliance with MEI

SMC6 60
SUBMERSIBLE PUMPS

PERFORMANCE AT 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA													COUPLING STANDARD MOTOR
	P2 NOMINAL		Q=m3h	0	18	30	36	42	48	54	60	66	72	78	84	
	kW	HP	Q=l/min	0	300	500	600	700	800	900	1000	1100	1200	1300	1400	
60/2G	4	5,5	H (m)	26,5	24,5	23,5	22,5	21,5	20	18,5	16	14	11	8	5	4"
60/3G	5,5	7,5		39,5	37	35,5	34	32,5	30,5	28	24,5	21	17	13	8	4"
60/4G	7,5	10		52	50,5	48,5	47	45	42	39	34,5	30	25	19,5	13	6"
60/5G	9,3	12,5		65	63	60,5	58,5	56	52,5	48,5	43	37	31	24	16	6"
60/6G	11	15		78	75,5	72,5	70	67,5	63	58	51,5	44,5	36,5	28	18,5	6"
60/7E	13	17,5		94,5	89	83,5	81	77,5	72,5	67	59,5	51	42	32	22,2	6"
60/8E	15	20		108	101,5	95,5	92,5	88,5	83	76,5	68	58,5	47,5	36,5	25,5	6"
60/9E	18,5	25		121,5	114	107,5	104	99,5	93	86	76	65,5	53,5	41	28	6"
60/10E	18,5	25		135	126,5	119,5	115,5	110,5	103,5	95,5	84,5	72,5	59	45	31	6"
60/11E	22	30		148	139,5	131,5	127	121,5	113,5	104,5	93	79,5	65	49,5	34	6"
60/12E	22	30		161,5	152	143	138,5	132,5	124	114	101	87	70,5	54	36,5	6"
60/14E	26	35		188,5	178,5	169,5	163,5	156,5	146	134	119,5	103,5	85,5	66,5	44,5	6"
60/16E	30	40		215,5	204	193,5	187	178,5	166,5	153	136,5	118	97,5	75,5	50,5	6"
60/18F	37	50		238	225	213,5	206	196,5	183	167	148,5	128	105	80	52,5	6"
60/20E	37	50		269,5	255	242	233,5	223	208	191,5	170	147	121,5	94	62,5	6"
60/24E	45	60		323,5	306	290	280	267,5	249,5	229,5	204	176,5	145,5	112	74,5	6"

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SMC6 60

SUBMERSIBLE PUMPS

ELECTRICAL DATA AND DIMENSIONS

MODEL	MOTOR *	ELECTRICAL DATA			OPERATION WITH INVERTER	HORIZONTAL INSTALLATION	L2 mm	L mm	L1 mm	D mm	D1 mm	DN GAS	HYDRAULIC WEIGHT Kg	MOTOR WEIGHT Kg
		P2 NOMINAL		In A										
		kW	HP											
60/2G-45	4GG	4	5,5	10	●	●	1163	614	549	93	149	3"	21	24
	4OL	4	5,5	9,6	●	●	1137	588	549	93	149	3"	21	17
60/3G-47	4GG	5,5	7,5	14	●	●	1348	684	664	93	149	3"	26	27
	4OL	5,5	7,5	13,1	●	●	1322	658	664	93	149	3"	26	24
60/4G-610	6GF	7,5	10	18	●	●	1434	661	773	141	150	3"	31	47
	TR6	7,5	10	18	O	●	1590	817	773	144	150	3"	31	53
60/5G-612	6GF	9,3	12,5	22	●	●	1574	686	888	141	150	3"	37	50
	TR6	9,3	12,5	21	O	●	1735	847	888	144	150	3"	37	55
60/6G-615	6GF	11	15	25,5	●	●	1734	731	1003	141	150	3"	42	55
	TR6	11	15	25	O	●	1880	877	1003	144	150	3"	42	60
60/7E-617	6GF	13	17,5	28,7	●	●	1879	761	1118	141	150	3"	47	58
	TR6	13	17,5	29	O	●	2025	907	1118	144	150	3"	47	63
60/8E-620	6GF	15	20	33,4	●	●	2019	786	1233	141	150	3"	53	61
	TR6	15	20	32	O	●	2210	977	1233	144	150	3"	53	77
60/9E-625	6GF	18,5	25	41	●	●	2209	861	1348	141	150	3"	58	69
	TR6	18,5	25	39	O	●	2385	1037	1348	144	150	3"	58	83
60/10E-625	6GF	18,5	25	41	●	●	2324	861	1463	141	150	3"	64	69
	TR6	18,5	25	39	O	●	2500	1037	1463	144	150	3"	64	83
60/11E-630	6GF	22	30	47	●	●	2499	921	1578	141	150	3"	69	74
	TR6	22	30	49	O	●	2645	1067	1578	144	150	3"	69	95
60/12E-630	6GF	22	30	47	●	●	2614	921	1693	141	150	3"	74	74
	TR6	22	30	49	O	●	2760	1067	1693	144	150	3"	74	95
60/14E-635	6GF	26	35	57	●	●	2903	980	1923	141	153	3"	85	78
	TR6	26	35	58	O	●	3060	1137	1923	144	153	3"	85	103
60/16E-640	6GF	30	40	61,5	●	●	3204	1051	2153	141	153	3"	96	89
	TR6	30	40	65	O	●	3345	1192	2153	144	153	3"	96	110
60/18F-650	6GF	37	50	79,3	●	●	3564	1181	2383	141	153	3"	106	102
	TR6	37	50	80	O	●	3675	1292	2383	144	153	3"	106	113
60/20E-650	6GF	37	50	79,3	●	●	3794	1181	2613	141	153	3"	117	102
	TR6	37	50	80	O	●	3905	1292	2613	144	153	3"	117	113
60/24E-660	6GF	45	60	95	●	●	4434	1361	3073	141	153	3"	139	118
	TR6	45	60	93,1	O	●	4530	1457	3073	144	153	3"	139	135

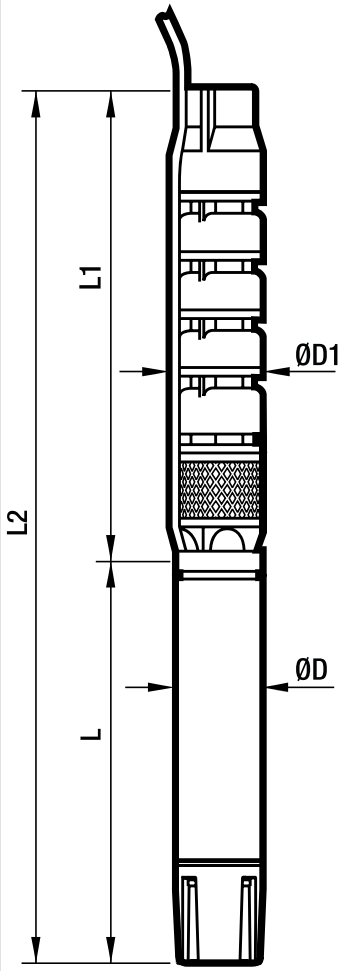
*** 4GG motor: 4**" water-filled motor with stator immersed in thermosetting insulating resin with high heat dissipation capacity
4OL motor: 4" oil-filled rewindable motor
6GF motor: 6" encapsulated water-gycol-filled motor with stator immersed in thermosetting insulating resin
TR motor: 6" - 12" water-filled rewindable motor

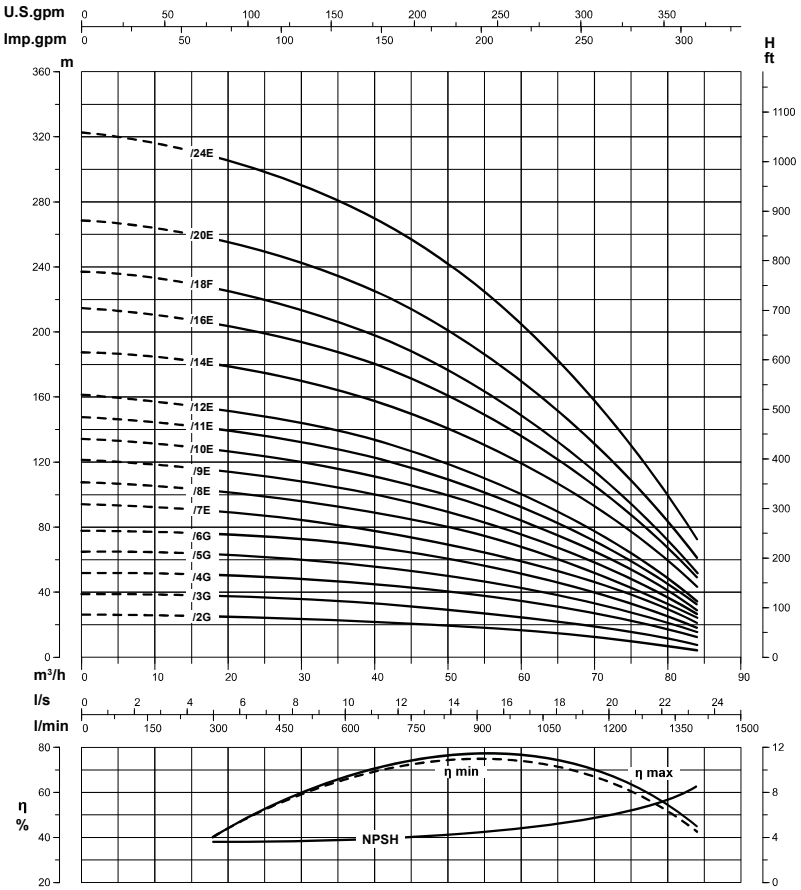
●	Permitted
O	Only version PE2 + PA
Δ	Contact our sales network

DAB PUMPS reserves the right to make modifications without notice.

SMC6 60

SUBMERSIBLE PUMPS





Performance at 50 Hz 2 poles. The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.
Compliance with MEI



SMC8

TECHNICAL DATA

Flow rate maximum: up to 192 m^3/h
Head up to 500 m
Maximum immersion depth: depending on the motor
Type of pumped liquid: clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral.
Amount of sand supported: 80 g/m^3
Liquid temperature range: from 0°C to +30°C
Maximum pressure: depending on the motor
Flanges, thread: 5" GAS
Pump maximum diameter: 203 mm
Impeller/s material: micro-cast AISI 304 stainless steel
Protection class: IP 68
Single phase power input: not available
Tri phase power input: 3x230 V 50 Hz / 3x400 V 50 Hz
Power cable (m) and plug: depending on the motor, all without the power plug
Possible type of installation: fixed in vertical position. Horizontal installation permitted by removing the non-return valve and installing a cooling jacket (check the applicability of the motor for horizontal use in the dedicated section).

8" semi axial multi-impeller submersible pump in cast iron, for pressurization, lifting water from wells and for irrigation in commercial building service and irrigation also in agriculture. The pump is ideal for installation in wells (of at least 8"). The pump is compliant with DM174 for use with water for human consumption.

CONSTRUCTION FEATURES OF THE PUMP

Cast iron pump body, impellers in AISI 304 stainless steel. Impellers balanced and keyed to the shaft with a conical coupling, specially developed to guarantee: easy assembly, avoid malfunctions due to vibrations during rotation and reduce operating noise. Shaft driven by water lubricated bearings. The diffuser geometry facilitates the expulsion of sand particles with the pumped liquid and limits the infiltration of water between the stage. Integrated non-return valve to reduce localized pressure drops. Stainless steel filter applied to the suction outlet to prevent the entry of dissolved solid bodies. Different types of impeller are available to guarantee the best efficiency at different flow rates and models up to 18 impellers to cover a wide range of heads.

CONSTRUCTION FEATURES OF THE MOTOR

Coupling with 6" or 8" motors depending on the power required by the hydraulic system:
6GF: 6" submersible encapsulated motor
TR6: 6" submersible rewindable motor
TR8: 8" submersible rewindable motor
For operation with the variable frequency drive, refer to the specifications of the coupled motor.

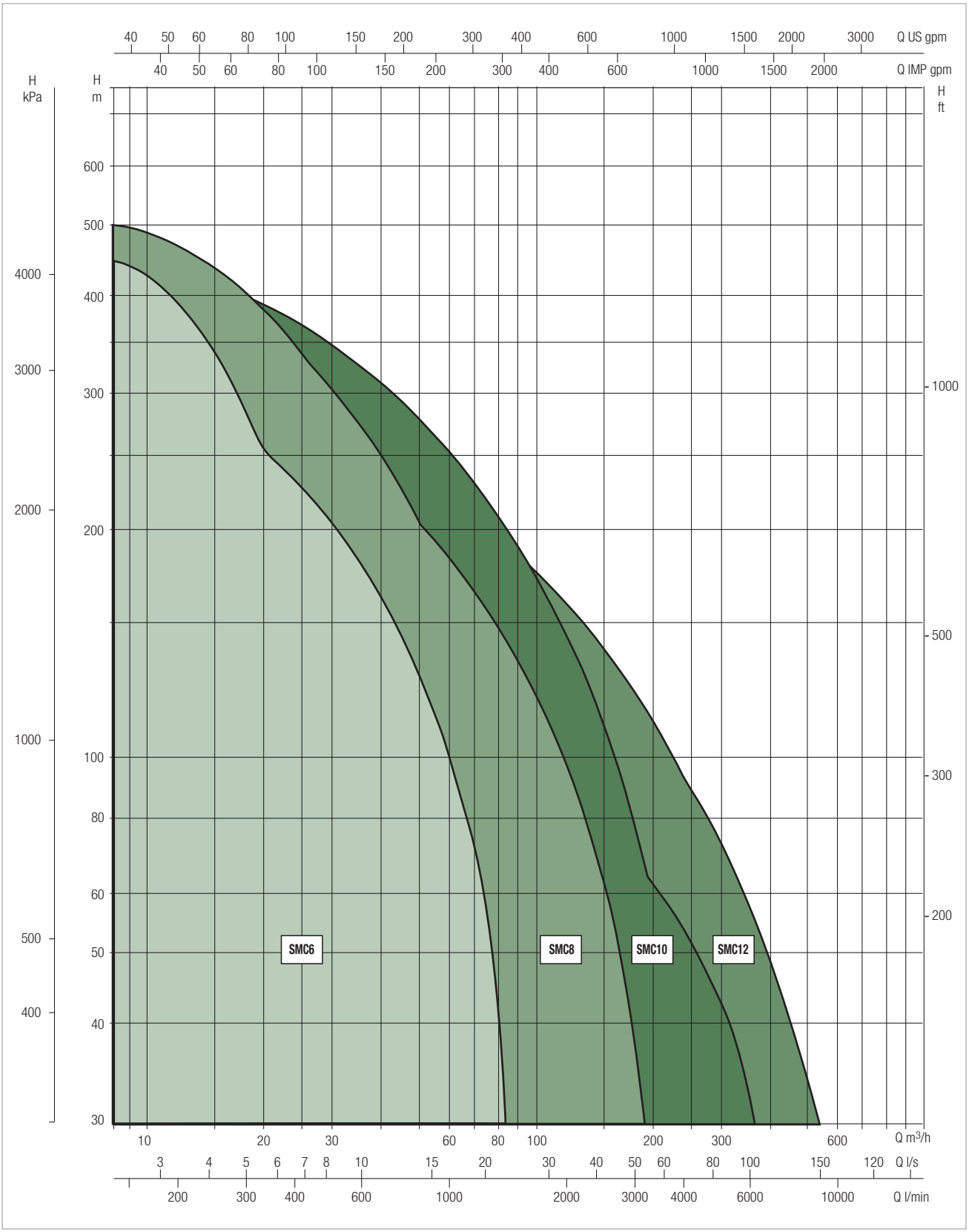
DAB PUMPS reserves the right to make modifications without notice.

PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

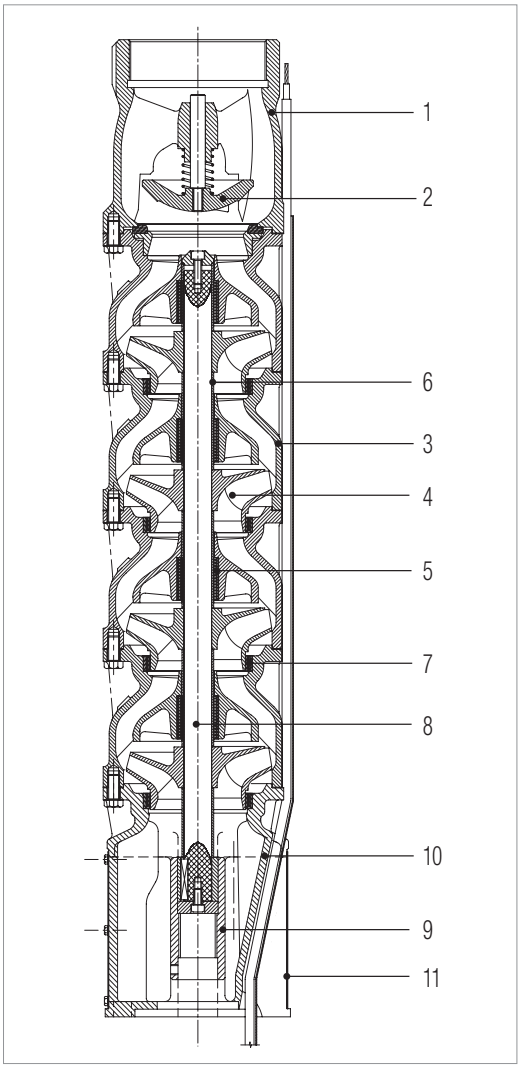
GRAPHIC SELECTION TABLE

50 Hz - 2900 r.p.m.

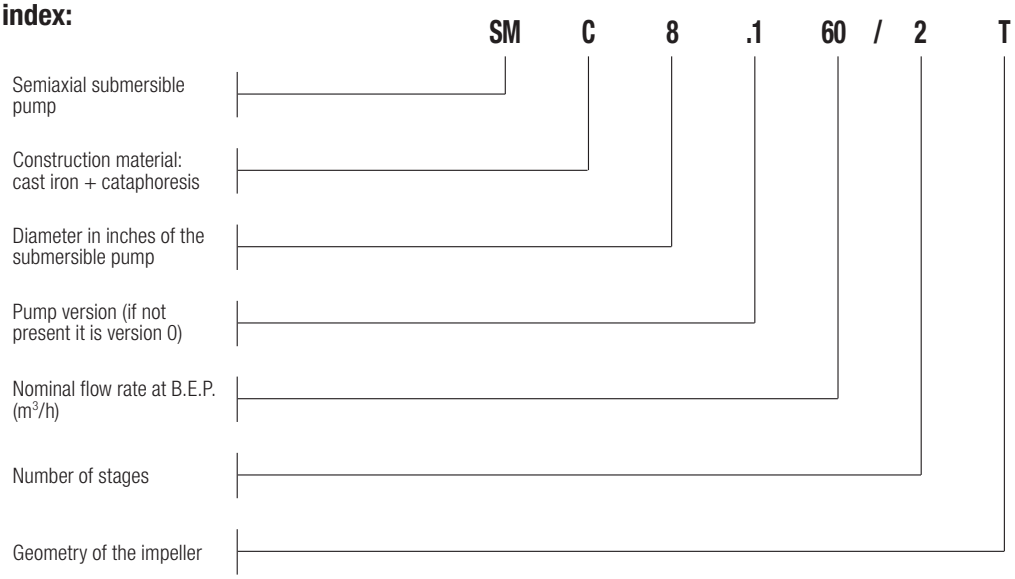


MATERIALS

N°	PARTS	MATERIALS
1	DELIVERY BODY	CAST IRON + CATAPHORESIS
2	NON-RETURN VALVE	STAINLESS STEEL
3	DIFFUSER	CAST IRON + CATAPHORESIS
4	IMPELLER	STAINLESS STEEL
5	GUIDE BEARING	RUBBER
6	BUSH	CHROME-PLATED BRASS
7	WEAR RING	RUBBER
8	PUMP SHAFT	STAINLESS STEEL
9	COUPLING	STAINLESS STEEL
10	SUCTION BODY	CAST IRON + CATAPHORESIS
11	STRAINER	STAINLESS STEEL



– Denomination index: (example)



PERFORMANCE AT 50 Hz - 2 POLES

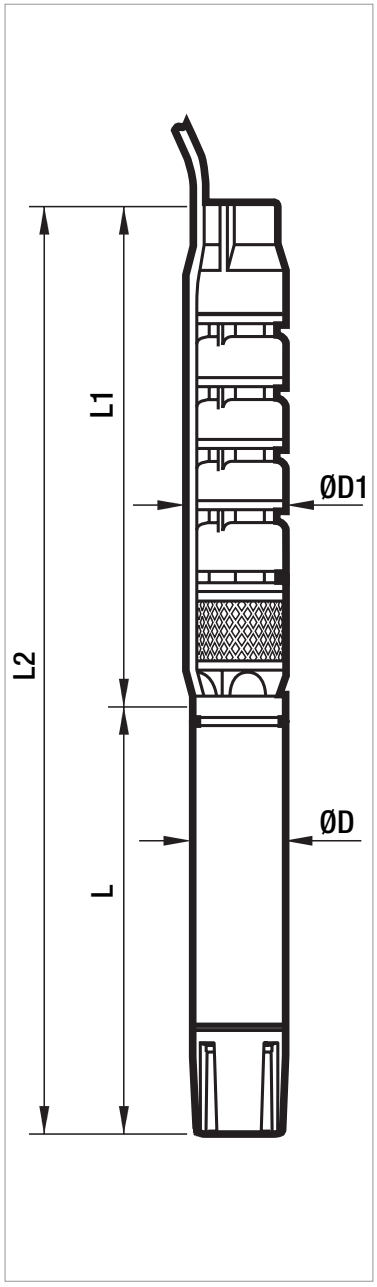
MODEL	ELECTRICAL DATA		HYDRAULIC DATA													COUPLING STANDARD MOTOR
	P2 NOMINAL		Q=m³h	0	24	36	42	48	54	60	66	72	78	84	90	
	kW	HP	Q=l/min	0	400	600	700	800	900	1000	1100	1200	1300	1400	1500	
60/2T	7,5	10		48,5	46	43	41,5	39	37	34	30,5	26,5	22,5	18	13	6"
60/2M	9,3	12,5		55	52	49,5	47,5	46	44	41,5	38	34,5	30,5	26	21	6"
60/2D	11	15		63,5	58	55	53,5	52	50	47,5	44,5	41	36,5	32	27	6"
60/3G	15	20		87	82,5	79	76,5	74	71	67	62	56,5	50,5	43,5	36	6"
60/4I	18,5	25		112	106	101	98	94	89,5	84,5	78	70,5	62,5	53,5	44	6"
60/4D	22	30		125	116,5	111,5	108,5	105,5	101	96,5	90	82,5	74	64,5	54	6"
60/5G	26	35		149	140	134	130,5	126	121	115	107	98	87,5	76,5	64	6"
60/6G	30	40		170,5	163,5	156,5	152	146,5	140,5	133	123	112	99,5	86	71	6"
60/7E	37	50	H (m)	208	200	193	188	183	176	168	156	144	130	114	97	6"
60/8E	45	60		248	235	226	221	215	208	199	186	172	156	138	118	8"
60/10E	55	75		308	294	283	277	269	259	248	232	214	194	171	146	8"
60/10D	63	85		317	302	292	287	280	271	260	245	228	209	187	162	8"
60/12C	75	100		382	364	352	346	337	327	314	296	275	251	224	194	8"
60/13D	75	100		406	387	375	367	358	346	332	312	289	263	233	201	8"
60/14D	92	125		438	419	406	398	389	377	362	340	316	288	257	222	8"
60/15D	92	125		468	450	436	427	416	403	387	364	337	307	274	236	8"
60/16D	92	125		498	479	464	455	443	429	411	386	358	326	289	249	8"

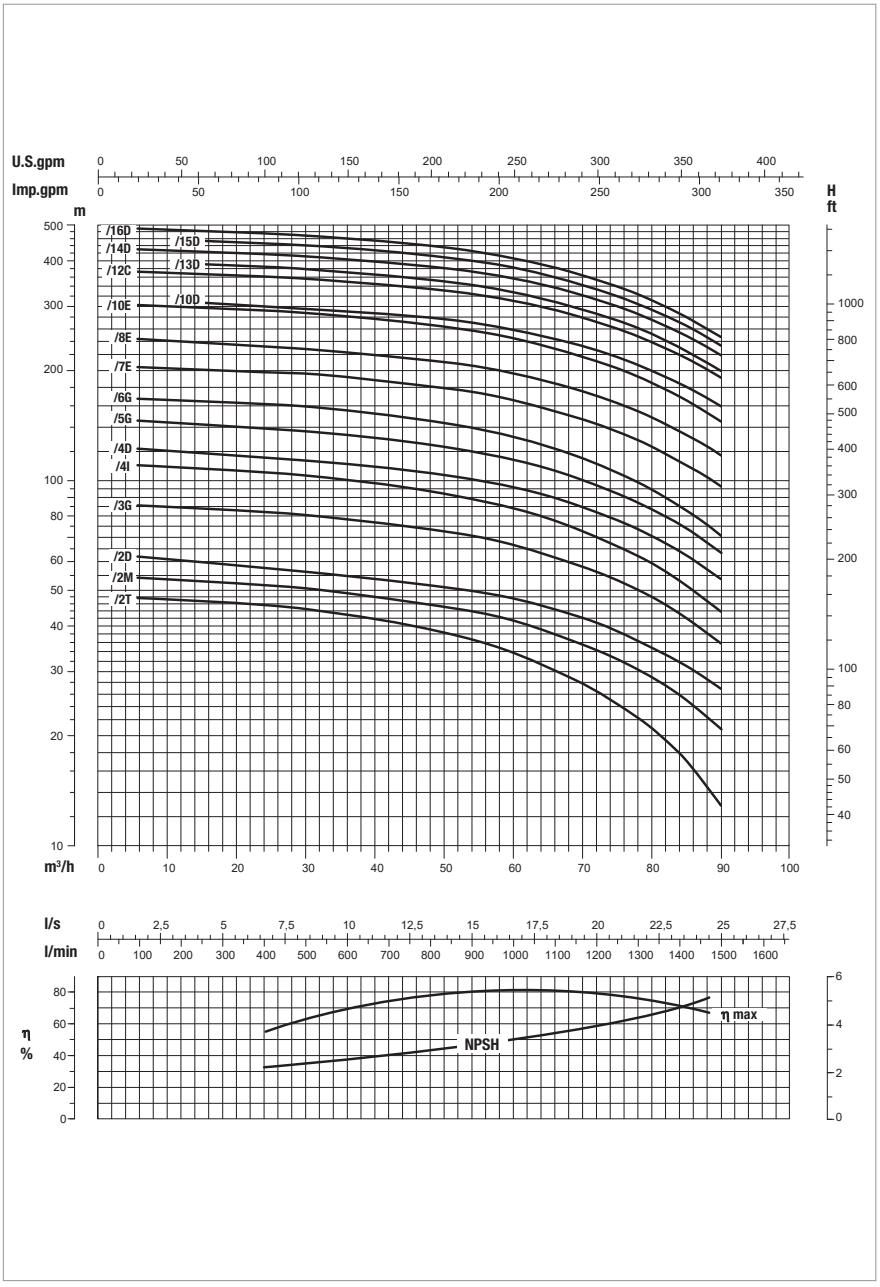
ELECTRICAL DATA AND DIMENSIONS

MODEL	MOTOR *	ELECTRICAL DATA			OPERATION WITH INVERTER	HORIZONTAL INSTALLATION	L2 mm	L mm	L1 mm	D mm	D1 mm	DNM GAS	HYDRAULIC WEIGHT Kg	MOTOR WEIGHT Kg
		P2 NOMINAL		In A										
		kW	HP											
60/2T	6GF	7,5	10	18	●	●	1296	661	635	141	203	5"	43	47
	TR6	7,5	10	18	○	●	1452	817	635	144	203	5"	43	50
60/2M	6GF	9,3	12,5	22	●	●	1321	686	635	141	203	5"	43	50,1
	TR6	9,3	12,5	21	○	●	1482	847	635	144	203	5"	43	52
60/2D	6GF	11	15	25,5	●	●	1366	731	635	141	203	5"	43	54,5
	TR6	11	15	25	○	●	1512	877	635	144	203	5"	43	57
60/3G	6GF	15	20	33,4	●	●	1531	786	745	141	203	5"	53	61
	TR6	15	20	32	○	●	1722	977	745	144	203	5"	53	74
60/4I	6GF	18,5	25	41	●	●	1716	861	855	141	203	5"	63	68,5
	TR6	18,5	25	39	○	●	1892	1037	855	144	203	5"	63	80
60/4D	6GF	22	30	47	●	●	1776	921	855	141	203	5"	63	74,3
	TR6	22	30	49	○	●	1922	1067	855	144	203	5"	63	92
60/5G	6GF	26	35	57	●	●	1945	980	965	141	203	5"	73	78
	TR6	26	35	58	○	●	2102	1137	965	144	203	5"	73	103
60/6G	6GF	30	40	61,5	●	●	2126	1051	1075	141	203	5"	83	88,5
	TR6	30	40	65	○	●	2267	1192	1075	144	203	5"	83	107
60/7E	6GF	37	50	79,3	●	●	2366	1181	1185	141	203	5"	93	101,6
	TR6	37	50	80	○	●	2477	1292	1185	144	203	5"	93	113
60/8E	TR8	45	60	92	○	●	2565	1270	1295	192	203	5"	103	177
60/10E	TR8	55	75	109	○	●	2865	1350	1515	192	203	5"	123	192
60/10D	TR8	63	85	126	○	●	3005	1490	1515	192	203	5"	123	218
60/12C	TR8	75	100	145	○	●	3325	1590	1735	192	203	5"	143	237
60/13D	TR8	75	100	145	○	●	3435	1590	1845	192	203	5"	153	237
60/14D	TR8	92	125	177	○	●	3785	1830	1955	192	203	5"	163	283
60/15D	TR8	92	125	177	○	●	3895	1830	2065	192	203	5"	173	283
60/16D	TR8	92	125	177	○	●	4005	1830	2175	192	203	5"	183	283

*** 6GF MOTOR:** 6" encapsulated water-gycol-filled motor with stator immersed in thermosetting insulating resin
TR MOTOR: 6" - 12" Water-filled rewindable motor

●	Permitted
○	Only version PE2 + PA
Δ	Contact our sales network





Performance at 50 Hz 2 poles. The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

PERFORMANCE AT 50 Hz - 2 POLES

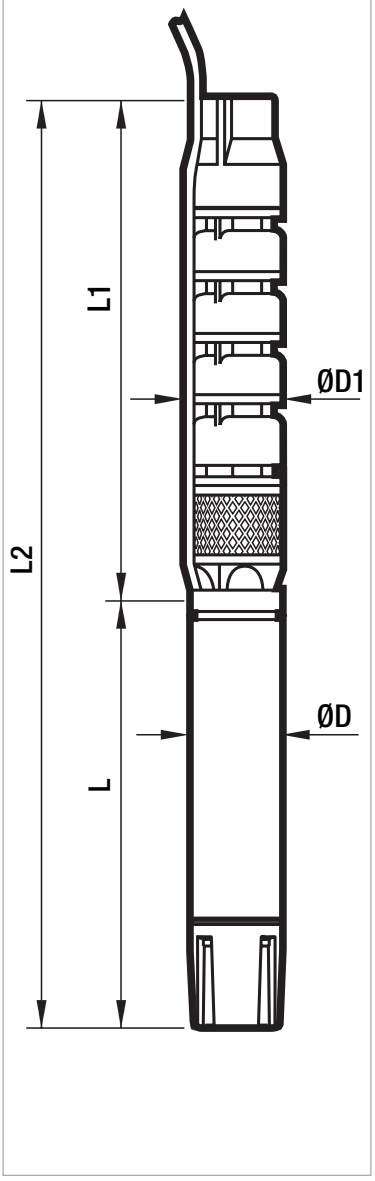
MODEL	ELECTRICAL DATA		HYDRAULIC DATA													COUPLING STANDARD MOTOR
	P2 NOMINAL		Q=m³h	0	24	36	54	72	78	84	90	96	102	108	120	
	kW	HP	Q=l/min	0	400	600	900	1200	1300	1400	1500	1600	1700	1800	2000	
85/2H	7,5	10		47,5	37,5	33,5	31,5	29	27,5	25,5	23,5	21	18,5	16	9,5	6"
85/2C	9,3	12,5		54,5	43	39	36,5	34,5	33,5	31,5	29,5	27,5	25	22,5	16,5	6"
85/3H	11	15		71,5	56,5	50,5	47,5	44	41,5	38,5	35,5	32	28	24	14,5	6"
85/4H	15	20		95	75,5	67,5	63,5	58,5	55,5	52	47,5	42,5	37,5	32	20	6"
85/5I	18,5	25		117	93	82,5	77	71	67	62,5	56,5	50,5	44,5	37,5	22	6"
85/5D	22	30		128,5	103,5	93,5	88,5	83	79	74,5	68,5	62,5	55,5	48	33,5	6"
85/6D	26	35		154,5	124,5	112,5	106	99	94,5	89	82	75	67	59	40,5	6"
85/7D	30	40		177,5	143	128	120,5	113	107	101	93	84,5	75,5	66	45	6"
85/8B	37	50	H (m)	214	173,5	155,5	147	138	131,5	124,5	115,5	106	95,5	84,5	60,5	6"
85/9A	45	60		250	205	185	175	165	158,5	150,5	140,5	130	118,5	106	79,5	8"
85/11A	55	75		304,5	249,5	225,5	214	202,5	194	184	171,5	158,5	144	129	95	8"
85/12A	63	85		330,5	270,5	245	232,5	220,5	211	200,5	187	172,5	157	140	102	8"
85/14A	75	100		389	316,5	286	271,5	257	246	233,5	218	201	183	163,5	120	8"
85/15A	75	100		416,5	339	306,5	291	275,5	263,5	250,5	233,5	215,5	196	175	128,5	8"
85/16A	92	125		444,5	361,5	327	310,5	294	281	267	249	230	209,5	187	137	8"
85/17A	92	125		472,5	384	347,5	330	312	298,5	284	265	244,5	222,5	198,5	146	8"
85/18A	92	125		500	407	367,5	349	330,5	316	300,5	280,5	258,5	235,5	210,5	154,5	8"

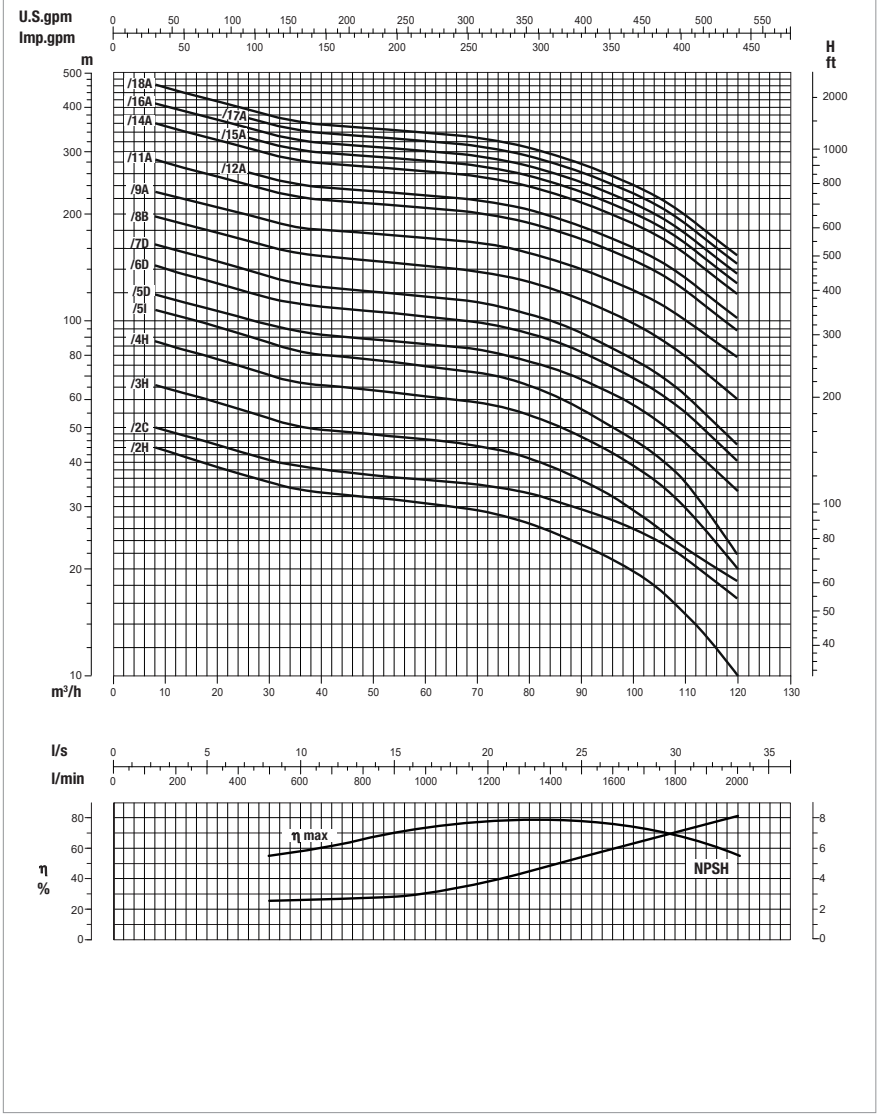
ELECTRICAL DATA AND DIMENSIONS

MODEL	MOTOR *	ELECTRICAL DATA			OPERATION WITH INVERTER	HORIZONTAL INSTALLATION	L2 mm	L mm	L1 mm	D mm	D1 mm	DN GAS	HYDRAULIC WEIGHT Kg	MOTOR WEIGHT Kg
		P2 NOMINAL		In A										
		kW	HP											
85/2H	6GF	7,5	10	18	●	●	1348	661	687	141	196	5"	42	47
	TR6	7,5	10	18	○	●	1504	817	687	144	196	5"	42	50
85/2C	6GF	9,3	12,5	22	●	●	1373	686	687	141	196	5"	42	50,1
	TR6	9,3	12,5	21	○	●	1534	847	687	144	196	5"	42	52
85/3H	6GF	11	15	25,5	●	●	1554	731	823	141	196	5"	52	54,5
	TR6	11	15	25	○	●	1700	877	823	144	196	5"	52	57
85/4H	6GF	15	20	33,4	●	●	1745	786	959	141	196	5"	63	61
	TR6	15	20	32	○	●	1936	977	959	144	196	5"	63	74
85/5I	6GF	18,5	25	41	●	●	1956	861	1095	141	196	5"	73	68,5
	TR6	18,5	25	39	○	●	2132	1037	1095	144	196	5"	73	80
85/5D	6GF	22	30	47	●	●	2016	921	1095	141	196	5"	73	74,3
	TR6	22	30	49	○	●	2162	1067	1095	144	196	5"	73	92
85/6D	6GF	26	35	57	●	●	2211	980	1231	141	196	5"	84	78
	TR6	26	35	58	○	●	2368	1137	1231	144	196	5"	84	103
85/7D	6GF	30	40	61,5	●	●	2418	1051	1367	141	196	5"	96	88,5
	TR6	30	40	65	○	●	2559	1192	1367	144	196	5"	96	107
85/8B	6GF	37	50	79,3	●	●	2684	1181	1503	141	198	5"	106	101,6
	TR6	37	50	80	○	●	2795	1292	1503	144	198	5"	106	113
85/9A	TR8	45	60	92	○	●	2909	1270	1639	192	198	5"	117	177
85/11A	TR8	55	75	109	○	●	3261	1350	1911	192	198	5"	138	192
85/12A	TR8	63	85	126	○	●	3537	1490	2047	192	200	5"	149	218
85/14A	TR8	75	100	145	○	●	3909	1590	2319	192	200	5"	170	237
85/15A	TR8	75	100	145	○	●	4045	1590	2455	192	200	5"	181	237
85/16A	TR8	92	125	177	○	●	4421	1830	2591	192	202	5"	192	283
85/17A	TR8	92	125	177	○	●	4557	1830	2727	192	202	5"	202	283
85/18A	TR8	92	125	177	○	●	4693	1830	2863	192	202	5"	213	283

*** 6GF MOTOR:** 6" encapsulated water-gycol-filled motor with stator immersed in thermosetting insulating resin
TR MOTOR: 6" - 12" Water-filled rewindable motor

●	Permitted
○	Only version PE2 + PA
Δ	Contact our sales network





Performance at 50 Hz 2 poles. The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

PERFORMANCE AT 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA														COUPLING STANDARD MOTOR
	P2 NOMINAL		Q=m³h	0	36	66	84	96	102	108	114	120	126	138	156	
	kW	HP	Q=l/min	0	600	1100	1400	1600	1700	1800	1900	2000	2100	2300	2600	
110/2H	13	17,5	H (m)	47,5	42,5	39,5	37	35,5	34,5	33,5	32	30,5	28,5	24,5	17	6"
110/3G	18,5	25		69,5	63	57,5	53	50,5	49	47	45	42	39,5	33	22	6"
110/3B	22	30		76	69	64	60,5	57,5	56	54	51,5	49	46	39	27,5	6"
110/4F	26	35		95	87,5	80,5	75,5	72	69,5	67	63,5	60	56	47,5	32,5	6"
110/5I	30	40		112,5	103,5	95	89	84	81,5	78	74	69,5	64,5	53,5	35,5	6"
110/5F	37	50		118	109,5	101,5	95,5	91	88	85	80,5	76	71	60,5	41,5	6"
110/6H	37	50		137,5	126	117	109,5	103,5	100	96	90,5	85	79	66	45	6"
110/6F	45	60		144,5	134	124,5	117,5	112	109	105,5	100,5	95	89	76	53,5	8"
110/6B	45	60		155,5	144	134,5	127	121	117,5	113,5	108,5	102,5	96,5	83	59,5	8"
110/7C	55	75		178,5	165,5	154	146	139	135	130,5	124,5	117,5	110	92,5	63,5	8"
110/9L	55	75		200,5	186	171,5	161,5	154	149	143	136	127,5	118,5	98,5	66	8"
110/9G	63	85		209	194,5	180	170	162	157	152	146	137,5	128,5	108,5	74,5	8"
110/9B	75	100		225,5	212	196,5	185,5	176,5	171,5	165,5	159	150,5	141	121	88	8"
110/10B	75	100		251	235,5	218	206	196	190,5	184	177	167,5	157	134,5	97,5	8"
110/11B	92	125		276	259	240	226,5	215,5	209,5	202,5	194,5	184	172,5	147,5	107,5	8"
110/13E	92	125		313	294	272	257	244,5	238	230	221	209	196,5	167,5	117,5	8"
110/14C	110	150		351	329,5	305,5	288,5	274,5	266,5	257,5	247,5	234	219,5	188	137	8"
110/15C	110	150		376	353	327,5	309	294	285,5	276	265,5	251	235,5	201,5	146,5	8"

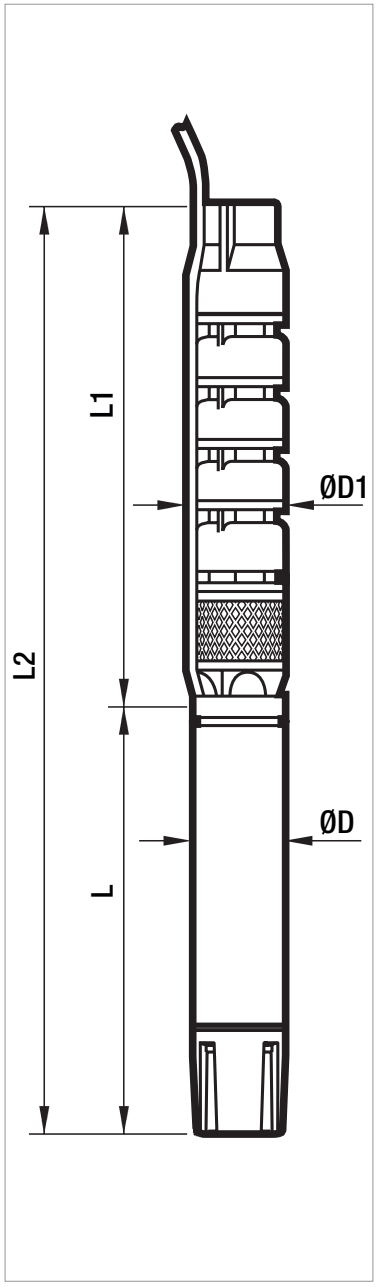
ELECTRICAL DATA AND DIMENSIONS

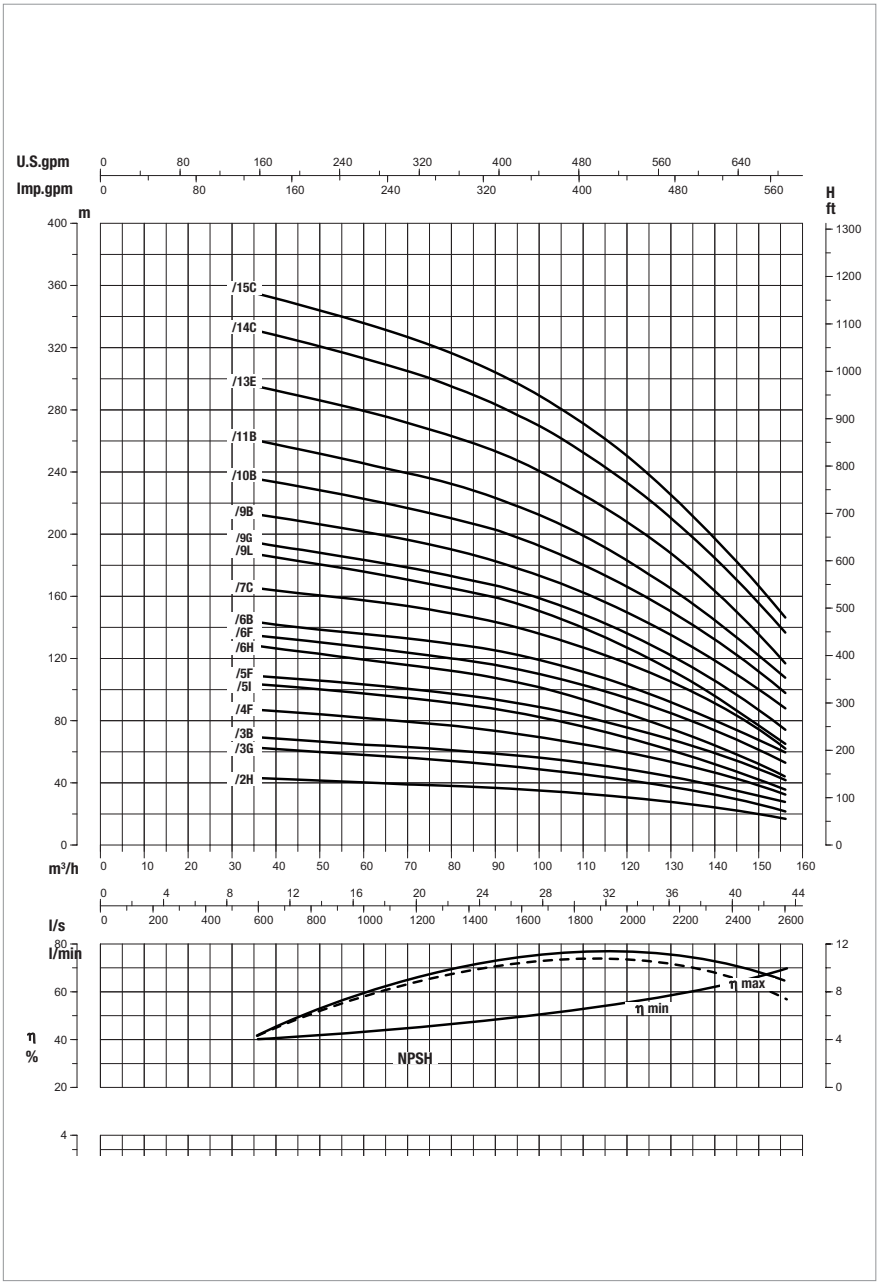
MODEL	MOTOR *	ELECTRICAL DATA			OPERATION WITH INVERTER	HORIZONTAL INSTALLATION	L2 mm	L mm	L1 mm	D mm	D1 mm	DN GAS	WEIGHT Kg	MOTOR WEIGHT ** Kg
		P2 NOMINAL		In A										
		kW	HP											
110/2H-617	6GF	13	17,5	28,7	●	●	1490	761	729	141	196	5"	43	58,4
	TR6	13	17,5	29	O	●	1636	907	729	144	196	5"	43	63
110/3G-625	6GF	18,5	25	41	●	●	1747	861	886	141	196	5"	55	69
	TR6	18,5	25	39	O	●	1923	1037	886	144	196	5"	55	80
110/3B-630	6GF	22	30	47	●	●	1807	921	886	141	196	5"	55	74
	TR6	22	30	49	O	●	1953	1067	886	144	196	5"	55	95
110/4F-635	6GF	26	35	57	●	●	2023	980	1043	141	196	5"	67	78
	TR6	26	35	58	O	●	2180	1137	1043	144	196	5"	67	103
110/5I-640	6GF	30	40	61,5	●	●	2251	1051	1200	141	196	5"	79	89
	TR6	30	40	65	O	●	2392	1192	1200	144	196	5"	79	110
110/5F-650	6GF	37	50	79,3	●	●	2381	1181	1200	141	198	5"	79	102
	TR6	37	50	80	O	●	2492	1292	1200	144	198	5"	79	113
110/6H-650	6GF	37	50	79,3	●	●	2538	1181	1357	141	198	5"	91	102
	TR6	37	50	80	O	●	2649	1292	1357	144	198	5"	91	113
110/6F-860	TR8	45	60	92	O	●	2627	1270	1357	192	198	5"	93	177
110/6B-860	TR8	45	60	92	O	●	2627	1270	1357	192	198	5"	93	177
110/7C-875	TR8	55	75	109	O	●	2864	1350	1514	192	198	5"	105	192
110/9L-875	TR8	55	75	109	O	●	3178	1350	1828	192	198	5"	129	192
110/9G-885	TR8	63	85	126	O	●	3318	1490	1828	192	198	5"	129	218
110/9B-8100	TR8	75	100	145	O	●	3418	1590	1828	192	200	5"	129	237
110/10B-8100	TR8	75	100	145	O	●	3575	1590	1985	192	200	5"	142	237
110/11B-8125	TR8	92	125	177	O	●	3972	1830	2142	192	202	5"	154	283
110/13E-8125	TR8	92	125	177	O	●	4286	1830	2456	192	202	5"	178	283
110/14C-8150	TR8	110	150	213	O	●	4673	2060	2613	192	202	5"	190	333
110/15C-8150	TR8	110	150	213	O	●	4830	2060	2770	192	202	5"	203	333

*** 6GF MOTOR:** 6" encapsulated water-gycol-filled motor with stator immersed in thermosetting insulating resin
TR MOTOR: 6" - 12" water-filled rewindable motor

*** *** For the weight of the AISI 316 version, please check the reference motor page or contact our sales network.

●	Permitted
O	Only version PE2 + PA
Δ	Contact our sales network





Performance at 50 Hz 2 poles. The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

PERFORMANCE AT 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA														COUPLING STANDARD MOTOR
	P2 NOMINAL		Q=m³h	0	36	72	96	108	120	132	144	156	168	180	192		
	kW	HP	Q=l/min	0	600	1200	1600	1800	2000	2200	2400	2600	2800	3000	3200		
135/2M	13	17,5		47,5	42	37,5	34,5	33	30,5	28	24,5	20,5	16	12	8,5		6"
135/2F	15	20		52	46	41	38,5	36,5	34,5	32	29	25	21	16,5	12		6"
135/2C	18,5	25		55	48,5	43,5	41	39	37	34,5	31	27	23	19	15,5		6"
135/3N	18,5	25		63,5	58,5	53,5	49	45,5	42	37	32	26	20	14			6"
135/3L	22	30		70	64	57,5	53	50,5	47	42,5	37,5	31,5	25	19	13,5		6"
135/3B	26	35		82,5	75	68,5	64	61	58	54,5	49,5	43	36	29,5	22		6"
135/4E	30	40		101	90	82	76,5	72,5	68,5	63	56,5	49,5	41,5	33	24		6"
135/4C	37	50		106	95	88	82	78	73,5	68	61,5	54	45,5	36,5	26,5		6"
135/5F	37	50	H (m)	121,5	111	101,5	94	89	84	77,5	69	60	50	39,5	28		6"
135/5E	45	60		128,5	118	108	100	95,5	90,5	84,5	77	68	58,5	47,5	35,5		8"
135/6F	45	60		151	135,5	125	116	110,5	104	96,5	86,5	76	64	51,5	38		8"
135/7G	55	75		176	159,5	147	137	130,5	123	114	102	89	75	60	44,5		8"
135/7E	55	75		181	164	151,5	141,5	135,5	128	119	107	94	80	65	49,5		8"
135/8G	63	85		201,5	182	168	156,5	149,5	140,5	130	117	102	85,5	68,5	51		8"
135/9G	75	100		220	200,5	185	171,5	163	153,5	141,5	127	110,5	93	74	54		8"
135/9C	75	100		238	219,5	201,5	187	178,5	169	158	143,5	128	110,5	91	69,5		8"
135/11C	92	125		291	268,5	246,5	228,5	218	206,5	193	175,5	156,5	135	111	85		8"
135/13C	110	150		343,5	317	291	270	258	244	228	207,5	185	159,5	131,5	100,5		8"

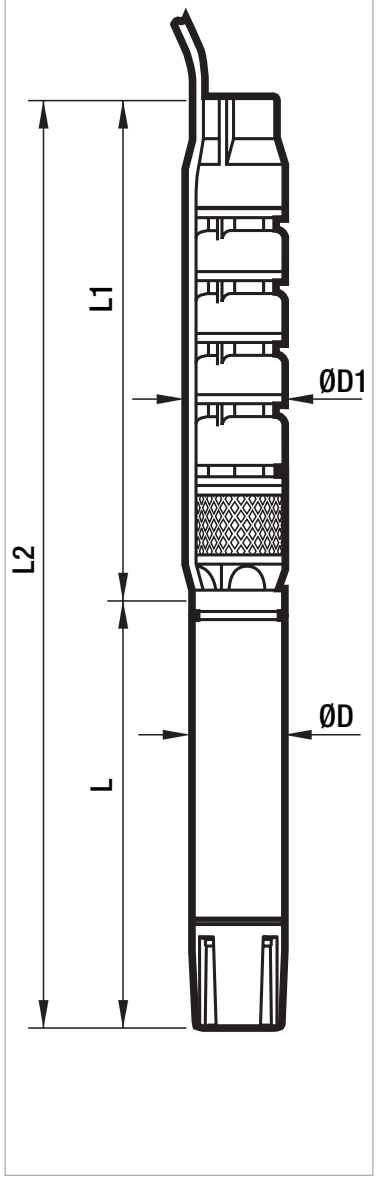
ELECTRICAL DATA AND DIMENSIONS

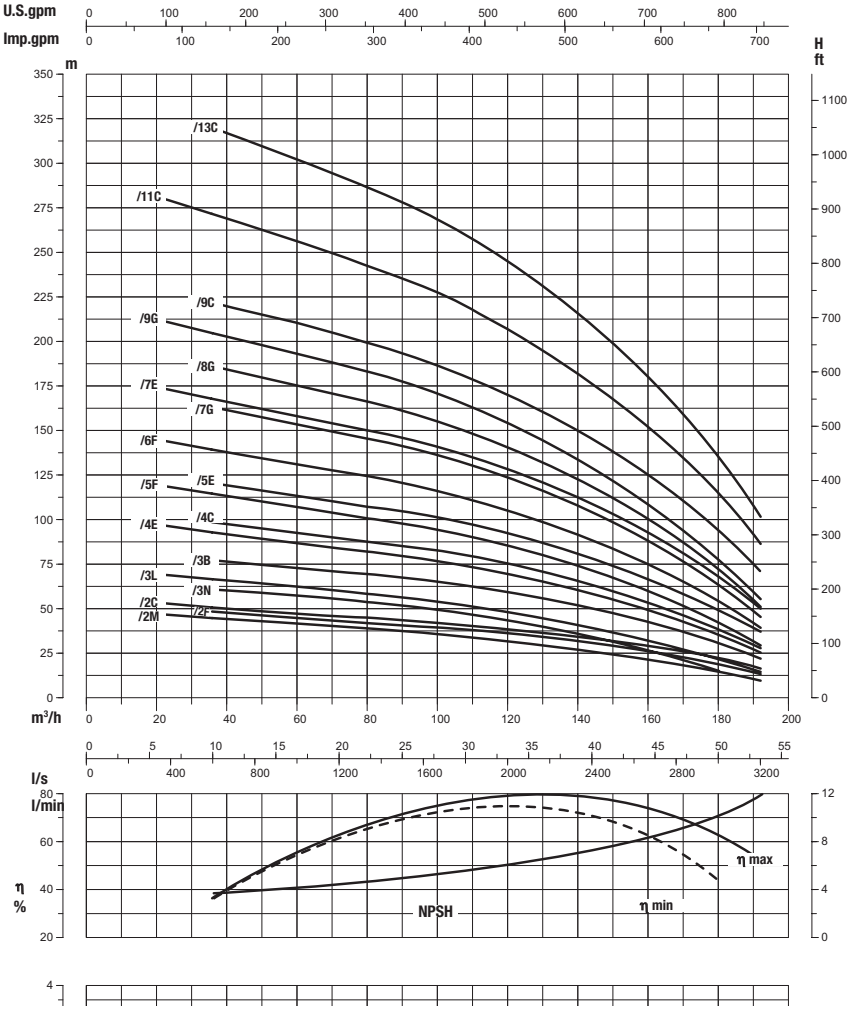
MODEL	MOTOR *	ELECTRICAL DATA			OPERATION WITH INVERTER	HORIZONTAL INSTALLATION	L2 mm	L mm	L1 mm	D mm	D1 mm	DN GAS	WEIGHT Kg	MOTOR WEIGHT ** Kg
		P2 NOMINAL		In A										
		kW	HP											
135/2M-617	6GF	13	17,5	28,7	●	●	1490	761	729	141	196	5"	43	58,4
	TR6	13	17,5	29	O	●	1636	907	729	144	196	5"	43	63
135/2F-620	6GF	15	20	33,4	●	●	1515	786	729	141	196	5"	43	61
	TR6	15	20	32	O	●	1706	977	729	144	196	5"	43	77
135/2C-625	6GF	18,5	25	41	●	●	1590	861	729	141	196	5"	43	69
	TR6	18,5	25	39	O	●	1766	1037	729	144	196	5"	43	80
135/3N-625	6GF	18,5	25	41	●	●	1747	861	886	141	196	5"	55	69
	TR6	18,5	25	39	O	●	1923	1037	886	144	196	5"	55	80
135/3L-630	6GF	22	30	47	●	●	1807	921	886	141	196	5"	55	74
	TR6	22	30	49	O	●	1953	1067	886	144	196	5"	55	95
135/3B-635	6GF	26	35	57	●	●	1866	980	886	141	196	5"	55	78
	TR6	26	35	58	O	●	2023	1137	886	144	196	5"	55	103
135/4E-640	6GF	30	40	61,5	●	●	2094	1051	1043	141	196	5"	67	89
	TR6	30	40	65	O	●	2235	1192	1043	144	196	5"	67	110
135/4C-650	6GF	37	50	79,3	●	●	2224	1181	1043	141	198	5"	67	102
	TR6	37	50	80	O	●	2335	1292	1043	144	198	5"	67	113
135/5F-650	6GF	37	50	79,3	●	●	2381	1181	1200	141	198	5"	79	102
	TR6	37	50	80	O	●	2492	1292	1200	144	198	5"	79	113
135/5E-860	TR8	45	60	92	O	●	2470	1270	1200	192	198	5"	81	177
135/6F-860	TR8	45	60	92	O	●	2627	1270	1357	192	198	5"	93	177
135/7G-875	TR8	55	75	109	O	●	2864	1350	1514	192	198	5"	105	192
135/7E-875	TR8	55	75	109	O	●	2864	1350	1514	192	198	5"	105	192
135/8G-885	TR8	63	85	126	O	●	3161	1490	1671	192	198	5"	117	218
135/9G-8100	TR8	75	100	145	O	●	3418	1590	1828	192	200	5"	129	237
135/9C-8100	TR8	75	100	145	O	●	3418	1590	1828	192	200	5"	129	237
135/11C-8125	TR8	92	125	177	O	●	3972	1830	2142	192	202	5"	154	283
135/13C-8150	TR8	110	150	213	O	●	4516	2060	2456	192	202	5"	178	333

*** 6GF MOTOR:** 6" encapsulated water-gycol-filled motor with stator immersed in thermosetting insulating resin
TR MOTOR: 6" - 12" water-filled rewindable motor

*** *** For the weight of the AISI 316 version, please check the reference motor page or contact our sales network.

●	Permitted
O	Only version PE2 + PA
Δ	Contact our sales network





Performance at 50 Hz 2 poles. The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

SMC10 - SMN10

SUBMERSIBLE PUMPS



SMC10 SMN10

TECHNICAL DATA

Operating range: up to 400 m^3/h with head up to 453 m
Pumped liquid: clean, free of solids and abrasives, chemically neutral, with properties similar to water
Start-ups/hour: see the coupled motor
Cooling flow: see the coupled motor
Maximum permitted amount of sand: 40 g/m^3
Ambient temperature: 30 °C
Minimum recommended level on suction line: 2 m
Installation: horizontal or vertical

APPLICATIONS

Multistage semiaxial submersible electric pumps for wells measuring 10" or above, able to generate a broad range of flow rates and heads.
They are used extensively for the lifting, distribution and pressurisation of industrial water systems, the supply of pressure vessels and tanks, firefighting systems and irrigation systems.
Application with clean, non-aggressive water free from solids or abrasive substances.

CONSTRUCTION FEATURES OF THE PUMP

SMC version:
Cast iron pump body treated with cataphoresis paint coating and dynamically balanced impellers in microcast AISI 304 stainless steel coupled on the shaft with pull tab. Shaft guided with coaxial bush bearings and fully protected with bushes.
Pump with check valve of low pressure loss.
Flanged delivery port and kit containing counter flange, bolts and gaskets.

SMN version:
Pump body and impellers in microcast AISI 316 stainless steel. Dynamically balanced impellers coupled on the shaft with pull tab. Shaft guided with coaxial bush bearings and fully protected with bushes.
Pump with check valve of low pressure loss.
Flanged delivery port and kit containing counter flange, bolts and gaskets.

Coupling with motors of 6" or 8" depending on the required hydraulic power and available in a standard version with cast iron supports treated with cataphoresis paint coating, and in a version entirely in AISI 316 stainless steel:
6GF/6GX: encapsulated 6" submersible motor
TR6: rewindable 6" submersible motor
TR8: rewindable 8" submersible motor
TR10: rewindable 10" submersible motor
Refer to the technical data sheets of the specific model for the electrical characteristics of the submersible motors and the specifications for operation with inverter.

ON REQUEST

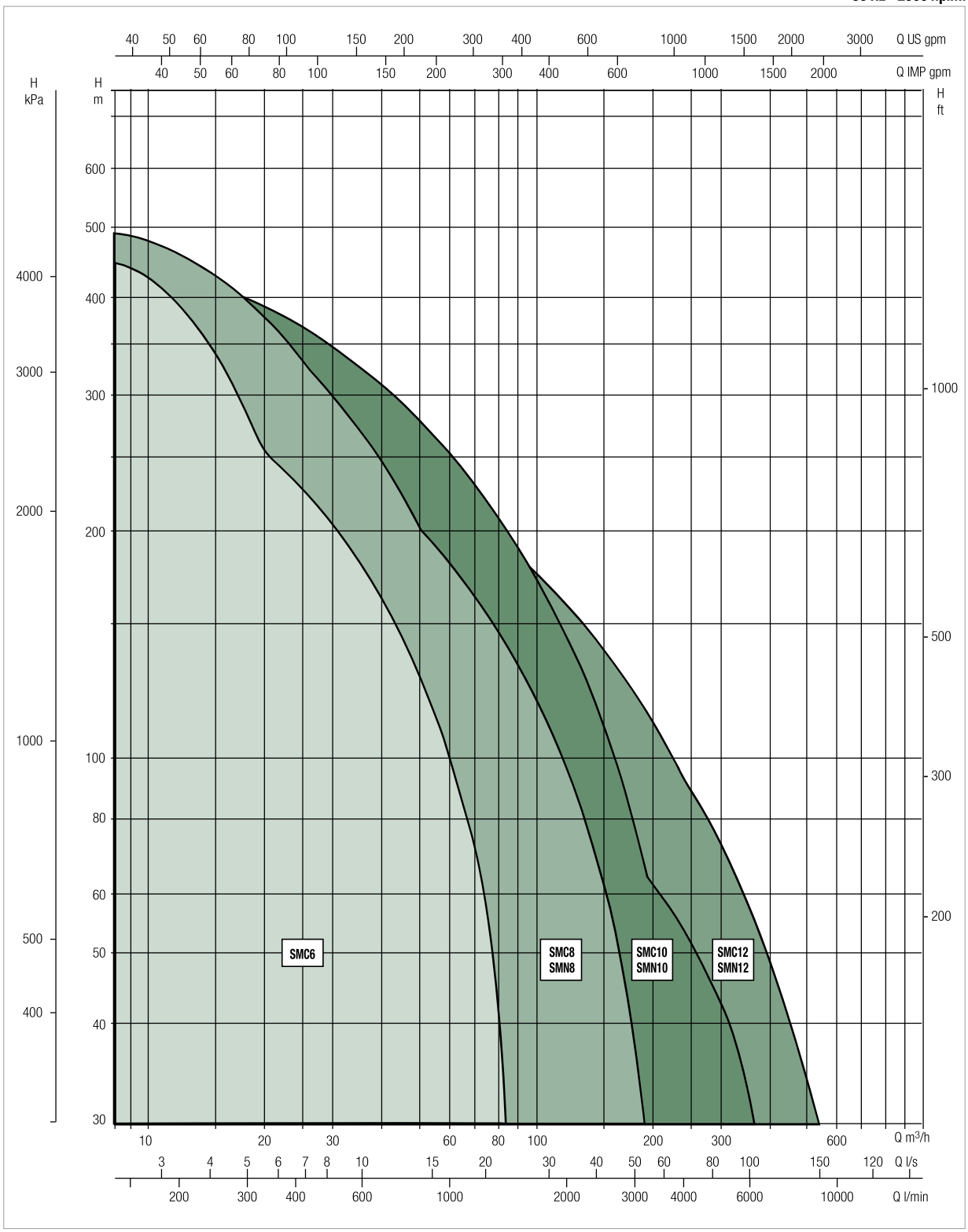
Motor in AISI 316 stainless steel for use in aggressive water.
Non-standard pump/motor couplings.
Star/Delta starting version.
Motor version for high temperature of water.

PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

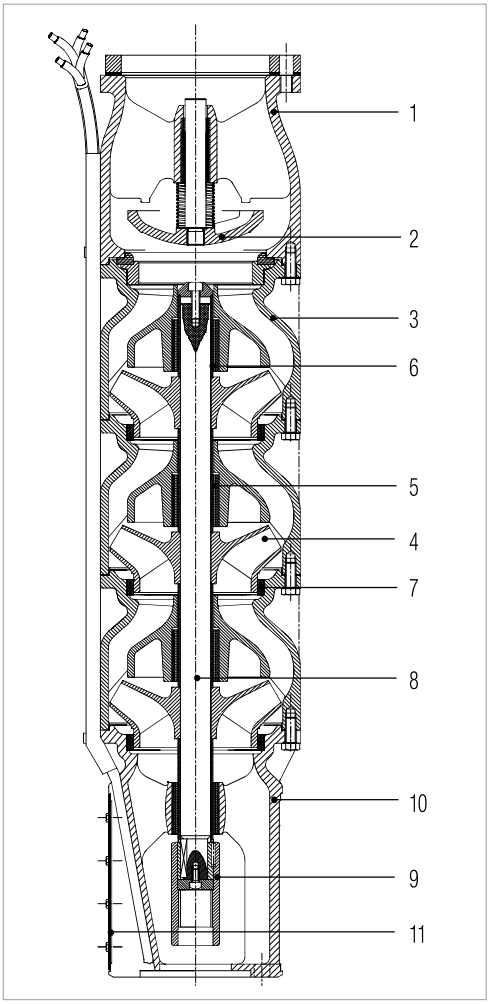
GRAPHIC SELECTION TABLE

50 Hz - 2900 r.p.m.

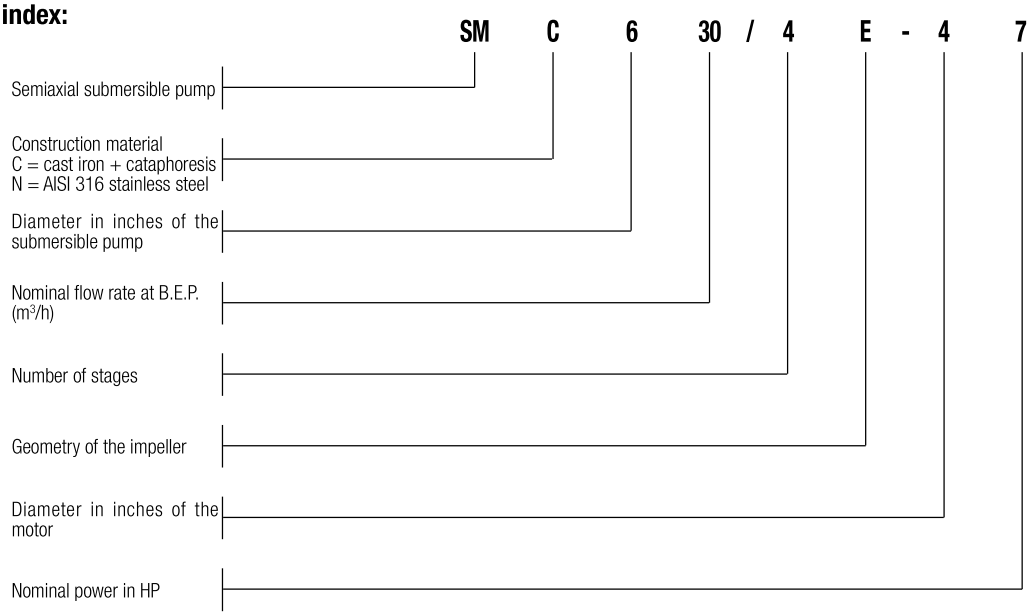


MATERIALS

N°	PARTS	MATERIALS - SMC	MATERIALS - SMN
1	DELIVERY BODY	CAST IRON + CATAPHORESIS	AISI 316 STAINLESS STEEL
2	NON-RETURN VALVE	CAST IRON + CATAPHORESIS	AISI 316 STAINLESS STEEL
3	DIFFUSER	CAST IRON + CATAPHORESIS	AISI 316 STAINLESS STEEL
4	IMPELLER	AISI 304 STAINLESS STEEL	AISI 316 STAINLESS STEEL
5	GUIDE BEARING	RUBBER	VITON
6	BUSH	CHROME-PLATED BRASS	AISI 316 STAINLESS STEEL
7	WEAR RING	RUBBER	POM
8	PUMP SHAFT	STAINLESS STEEL	AISI 329 DUPLEX STAINLESS STEEL
9	PIPE	STAINLESS STEEL	AISI 329 DUPLEX STAINLESS STEEL
10	SUCTION BODY	CAST IRON + CATAPHORESIS	AISI 316 STAINLESS STEEL
11	FILTER GRID	STAINLESS STEEL	AISI 316 STAINLESS STEEL



– Denomination index:
(example)



SMC10 200 - SMN10 200

SUBMERSIBLE PUMPS

PERFORMANCE AT 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA													COUPLING STANDARD MOTOR
	P2 NOMINAL		Q=m³h	0	60	84	108	132	150	168	180	192	210	234	258	
	kW	HP	Q=l/min	0	1000	1400	1800	2200	2500	2800	3000	3200	3500	3900	4300	
200/1M	11	15		32	25,5	24	22	20,5	19	17,5	16,5	15	12,5	9	-	6"
200/1L	13	17,5		35,5	29	27	25,5	24	22,5	21	19,5	18	15,5	11,5	6,5	6"
200/1H	15	20		40	33	30,5	29	27	25,5	24	23	21,5	19	16	12	6"
200/1G	18,5	25		41	34	32	30	28	26,5	25	24	22,5	20	17	13	6"
200/1C	18,5	25		45	37	34,5	32,5	30,5	29	27,5	26	24,5	22	18,5	14	6"
200/1A	22	30		48	39	36,5	34,5	32,5	31,5	29,5	28,5	27	24	19,5	14	6"
200/2M	22	30		64	51,5	48	44,5	41	38,5	35,5	33	30	25,5	17,5	-	6"
200/2L	26	35		70,5	58,5	55	52	48,5	46	43	40,5	37,5	32,5	24	14,5	6"
200/2H	30	40		79,5	66	62	58,5	55	52	48,5	46	43	38	30	20,5	6"
200/2G	37	50		84	70,5	66,5	62,5	59	56	52,5	50	47	41,5	34	25	6"
200/2E	37	50		90	77	72	68	64	61	58	56	53	48	40,5	31	6"
200/2B	45	60		94,5	80	75,5	71,5	67,5	64,5	61	59	55,5	50,5	43	34,5	8"
200/3H	45	60		117	99	93,5	89	84	80	75,5	72	67,5	59,5	47,5	33	8"
200/3G	55	75	H (m)	130	110	104	98,5	93	88,5	84	80	75,5	67,5	56	42	8"
200/3E	55	75		137	116,5	110	104,5	99	94,5	90	86,5	81,5	73,5	62,5	48,5	8"
200/3B	63	85		143	122	115,5	109,5	104	99,5	94,5	91,5	86,5	78,5	67,5	54	8"
200/4G	75	100		168,5	142,5	134,5	128	121	115	108,5	104	97,5	86,5	70,5	51	8"
200/4D	75	100		183,5	156	148	141	133,5	128	121,5	117	110,5	100	84	65,5	8"
200/5I	75	100		200	169	159,5	151,5	142,5	135,5	127,5	121,5	113,5	100,5	80	56,5	8"
200/5F	92	125		224	192	180,5	171,5	163	157	150	144,5	137	124	104	80	8"
200/6I	92	125		241	204,5	193,5	184,5	174,5	166,5	156,5	149,5	140	124	99	69	8"
200/6F	110	150		269	230	216,5	205,5	195,5	188,5	180	173	164	149	124,5	96	8"
200/7H	110	150		283	241,5	227,5	216,5	205,5	197	186,5	178,5	167	147,5	118	83	8"
200/7E	132	180		319	271	256,5	244	231,5	222	211	203	192,5	174	148	116,5	10"
200/8D	147	200		366,5	314	295,5	281	267	256,5	245	236,5	224,5	203,5	172,5	135,5	10"
200/9D	170	230		412	353,5	332,5	316	300,5	288,5	275,5	266	252,5	229	194	152,5	10"
200/10E	190	260		453	388	365	347	330	317	302	291,5	276,5	250	211	165	10"

DAB PUMPS reserves the right to make modifications without notice.

SMC10 200 - SMN10 200

SUBMERSIBLE PUMPS

ELECTRICAL DATA AND DIMENSIONS

MODEL	MOTOR *	ELECTRICAL DATA			OPERATION WITH INVERTER	HORIZONTAL INSTALLATION	L2 mm	L mm	L1 mm	D mm	D1 mm	DN	WEIGHT SMC Kg	WEIGHT SMN Kg	MOTOR WEIGHT** Kg
		P2 NOMINAL		In A											
		kW	HP												
200/1M-615	6GF	11	15	25,5	●	●	1418	731	687	141	247	6"	66	53	54,5
	TR6	11	15	25	O	●	1564	877	687	144	247	6"	66	53	60
200/1L-617	6GF	13	17,5	28,7	●	●	1448	761	687	141	247	6"	66	53	58,4
	TR6	13	17,5	29	O	●	1594	907	687	144	247	6"	66	53	63
200/1H-620	6GF	15	20	33,4	●	●	1473	786	687	141	247	6"	66	53	60,4
	TR6	15	20	32	O	●	1664	977	687	144	247	6"	66	53	77
200/1G-625	6GF	18,5	25	41	●	●	1548	861	687	141	247	6"	66	53	69
	TR6	18,5	25	39	O	●	1724	1037	687	144	247	6"	66	53	80
200/1C-625	6GF	18,5	25	41	●	●	1548	861	687	141	247	6"	66	53	69
	TR6	18,5	25	39	O	●	1724	1037	687	144	247	6"	66	53	80
200/1A-630	6GF	22	30	47	●	●	1608	921	687	141	247	6"	66	53	74
	TR6	22	30	49	O	●	1754	1067	687	144	247	6"	66	53	95
200/2M-630	6GF	22	30	47	●	●	1768	921	847	141	247	6"	92	76	74
	TR6	22	30	49	O	●	1914	1067	847	144	247	6"	92	76	95
200/2L-635	6GF	26	35	57	●	●	1827	980	847	141	247	6"	92	76	78
	TR6	26	35	58	O	●	1984	1137	847	144	247	6"	92	76	103
200/2H-640	6GF	30	40	61,5	●	●	1898	1051	847	141	247	6"	92	76	88,5
	TR6	30	40	65	O	●	2039	1192	847	144	247	6"	92	76	110
200/2G-650	6GF	37	50	79,3	●	●	2048	1181	867	141	249	6"	92	76	102
	TR6	37	50	80	O	●	2159	1292	867	144	249	6"	92	76	113
200/2E-650	6GF	37	50	79,3	●	●	2048	1181	867	141	249	6"	92	76	102
	TR6	37	50	80	O	●	2159	1292	867	144	249	6"	92	76	113
200/2B-860	TR8	45	60	92	O	●	2137	1270	867	192	249	6"	92	76	177
200/3H-860	TR8	45	60	92	O	●	2317	1270	1047	192	249	6"	118	98	177
200/3G-875	TR8	55	75	109	O	●	2397	1350	1047	192	249	6"	118	98	192
200/3E-875	TR8	55	75	109	O	●	2397	1350	1047	192	249	6"	118	98	192
200/3B-885	TR8	63	85	126	O	●	2537	1490	1047	192	249	6"	118	98	218
200/4G-8100	TR8	75	100	145	O	●	2817	1590	1227	192	249	6"	162	121	237
200/4D-8100	TR8	75	100	145	O	●	2817	1590	1227	192	249	6"	162	121	237
200/5I-8100	TR8	75	100	145	O	●	2997	1590	1407	192	249	6"	187	144	237
200/5F-8125	TR8	92	125	177	O	●	3413	1830	1583	192	249	6"	187	144	283
200/6I-8125	TR8	92	125	177	O	●	3585	1830	1755	192	249	6"	213	167	283
200/6F-8150	TR8	110	150	213	O	●	3731	2060	1671	192	249	6"	213	167	333
200/7H-8150	TR8	110	150	213	O	●	3911	2060	1851	192	249	6"	239	190	333
200/7E-10180	TR10	132	180	257	O	●	3721	1870	1851	237	249	6"	239	190	435
200/8D-10200	TR10	147	200	300	O	●	4101	2070	2031	237	249	6"	264	213	500
200/9D-10230	TR10	170	230	348	O	●	4431	2220	2211	237	249	6"	290	235	540
200/10E-10260	TR10	190	260	405	O	●	4791	2400	2391	237	249	6"	316	259	580

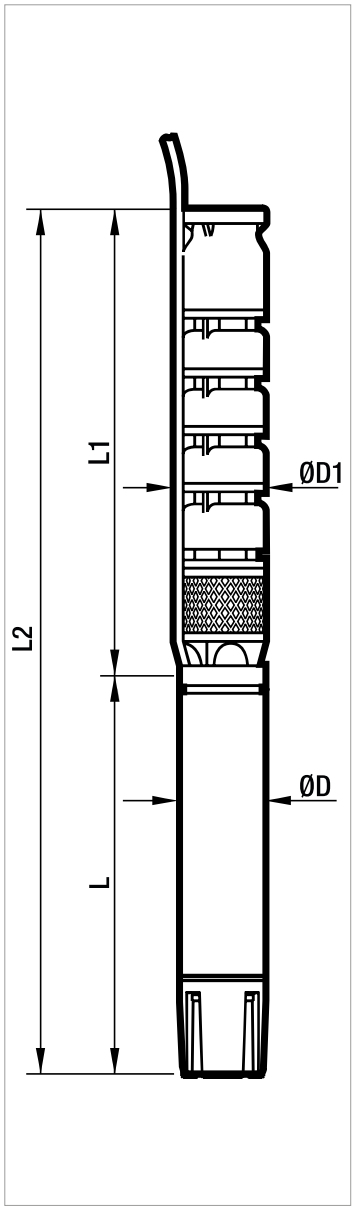
*** 6GF MOTOR:** 6" encapsulated in water bath.
TR MOTOR: 6" - 12" rewindable in water bath.

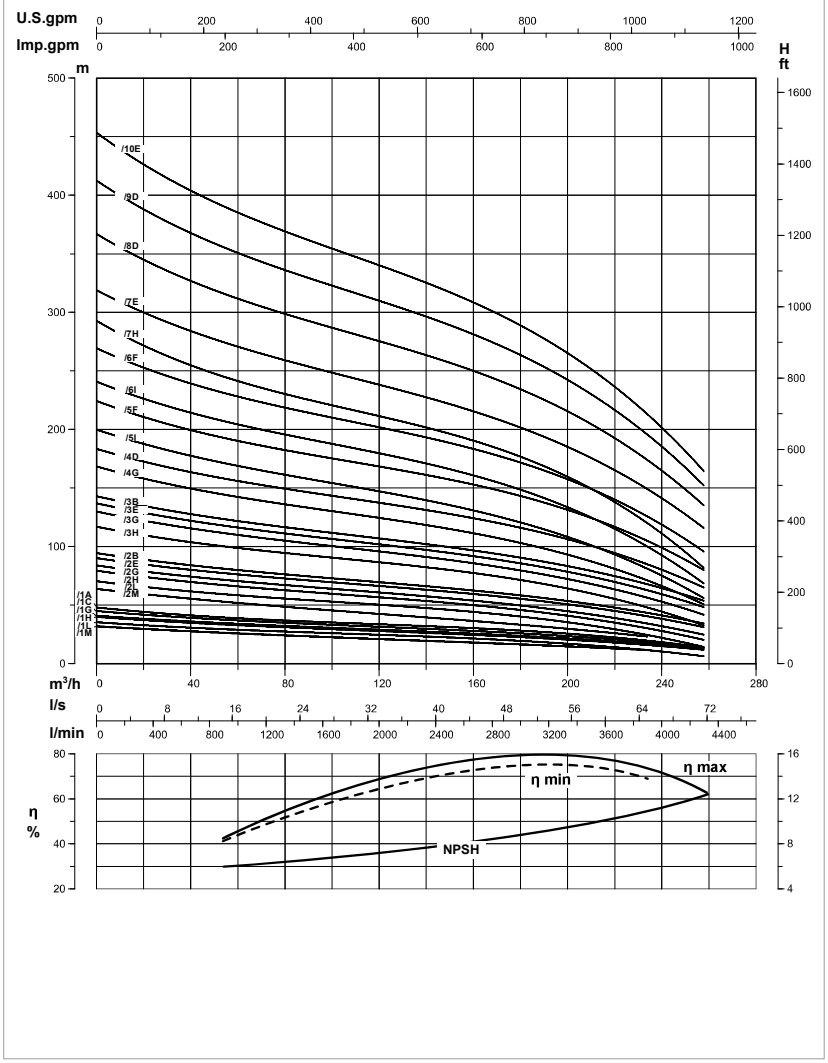
*** *** For the weight of the version in AISI 316, refer to the page of the motor concerned or contact our sales network.

●	Permitted
O	Only version PE2 + PA
Δ	Contact our sales network

SMC10 200 - SMN10 200

SUBMERSIBLE PUMPS





Performance at 50 Hz 2 poles. The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

SMC10 320 - SMN10 320

SUBMERSIBLE PUMPS

PERFORMANCE AT 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA														COUPLING STANDARD MOTOR
	P2 NOMINAL		Q=m³h	0	120	150	180	210	240	270	300	330	360	390	420	
	kW	HP	Q=l/min	0	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	
320/1O	22	30	H (m)	34	27,5	26,5	25,5	24,5	23,5	22	20	16,5	12,5	-	-	6"
320/1M	26	35		36	29,5	28,5	27,5	27	26	25	22,5	19,5	16	12,5	-	6"
320/1F	30	40		40	32,5	31	30	29,5	28,5	27,5	26	23	19,5	15,5	10,5	6"
320/1D	37	50		43,5	34,5	33	32	31,5	31	30,5	29	26	22,5	18,5	14	6"
320/1B	37	50		46	37	35	34,5	33,5	33	32,5	31	28,5	25	21	16,5	6"
320/2P	45	60		62	52	50,5	49	47	44	40,5	35,5	29	22	-	-	8"
320/2N	45	60		67,5	57,5	55,5	53,5	51,5	49	45,5	41,5	36	29,5	22,5	14	8"
320/2M	55	75		71	61	59	57,5	55,5	53,5	50,5	46,5	41	34	27	19,5	8"
320/2H	55	75		72	64	61,5	60	58,5	56,5	54	50,5	45,5	38,5	31	21	8"
320/2D	63	85		77	67	65	63,5	62	60,5	58	54,5	49,5	43	35,5	27	8"
320/3I	75	100		106	93,5	90,5	88	85,5	82	77,5	71,5	63	53,5	42,5	31,5	8"
320/3C	92	125		117,5	104,5	102	99	96	94	91	86	79,5	70	57	41	8"
320/4G	110	150		150	134,5	130	126,5	123	119	113,5	106,5	96,5	84,5	71	56	8"
320/4B	132	180		162	147	142,5	138,5	135	130,5	125,5	118,5	108,5	96,5	84,5	69,5	10"
320/5L	132	180		181	162	157	152,5	148	142,5	136	127	114,5	99	81,5	63	10"
320/5E	147	200		196	177,5	172	167	162,5	157	150,5	141,5	129	114,5	98	79,5	10"
320/6G	170	230		225	201,5	195,5	190	184,5	178	170	160	145	127	106	83,5	10"
320/7L	190	260		253,5	227	219,5	213,5	207	199,5	190	178	160	138,5	114,5	88,5	10"

SMC10 320 - SMN10 320

SUBMERSIBLE PUMPS

ELECTRICAL DATA AND DIMENSIONS

MODEL	MOTOR *	ELECTRICAL DATA			OPERATION WITH INVERTER	HORIZONTAL INSTALLATION	L2 mm	L mm	L1 mm	D mm	D1 mm	DN	WEIGHT SMC Kg	WEIGHT SMN Kg	MOTOR WEIGHT** Kg
		P2 NOMINAL		In A											
		kW	HP												
320/10-630	6GF	22	30	47	●	●	1624	921	703	141	247	6"	64,5	49	74
	TR6	22	30	49	O	●	1770	1067	703	144	247	6"	64,5	49	95
320/1M-635	6GF	26	35	57	●	●	1683	980	703	141	247	6"	64,5	49	78
	TR6	26	35	58	O	●	1840	1137	703	144	247	6"	64,5	49	103
320/1F-640	6GF	30	40	61,5	●	●	1754	1051	703	141	247	6"	64,5	49	89
	TR6	30	40	65	O	●	1895	1192	703	144	247	6"	64,5	49	110
320/1D-650	6GF	37	50	79,3	●	●	1884	1181	703	141	247	6"	64,5	49	102
	TR6	37	50	80	O	●	1995	1292	703	144	247	6"	64,5	49	113
320/1B-650	6GF	37	50	79,3	●	●	1884	1181	703	141	249	6"	65,5	49	102
	TR6	37	50	80	O	●	1995	1292	703	144	249	6"	65,5	49	113
320/2P-860	TR8	45	60	92	O	●	2168	1270	898	192	249	6"	91	68	177
320/2N-860	TR8	45	60	92	O	●	2168	1270	898	192	249	6"	91	68	177
320/2M-875	TR8	55	75	109	O	●	2248	1350	898	192	249	6"	91	68	192
320/2H-875	TR8	55	75	109	O	●	2248	1350	898	192	249	6"	91	68	192
320/2D-885	TR8	63	85	126	O	●	2388	1490	898	192	249	6"	91	68	218
320/3I-8100	TR8	75	100	145	O	●	2767	1590	1177	192	249	6"	116	88	237
320/3C-8125	TR8	92	125	177	O	●	3007	1830	1177	192	249	6"	116	88	283
320/4G-8150	TR8	110	150	213	O	●	3432	2060	1372	192	249	6"	160	117	333
320/4B-10180	TR10	132	180	257	O	●	3242	1870	1372	237	249	6"	160	117	435
320/5L-10180	TR10	132	180	257	O	●	3438	1870	1568	237	249	6"	185,5	137	435
320/5E-10200	TR10	147	200	300	O	●	3638	2070	1568	237	249	6"	185,5	137	500
320/6G-10230	TR10	170	230	348	O	●	3983	2220	1763	237	249	6"	211	157	540
320/7L-10260	TR10	190	260	405	O	●	4359	2400	1959	237	249	6"	236,5	177	580

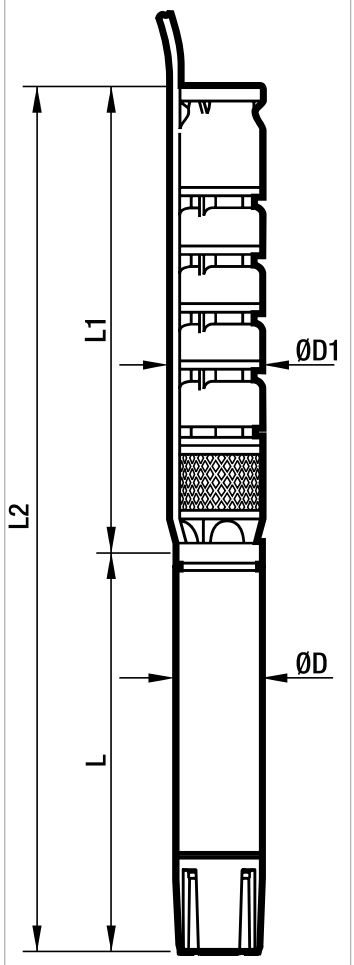
*** 6GF motor:** 6" encapsulated water-gycol-filled motor with stator immersed in thermosetting insulating resin
TR motor: 6" - 12" water-filled rewindable motor

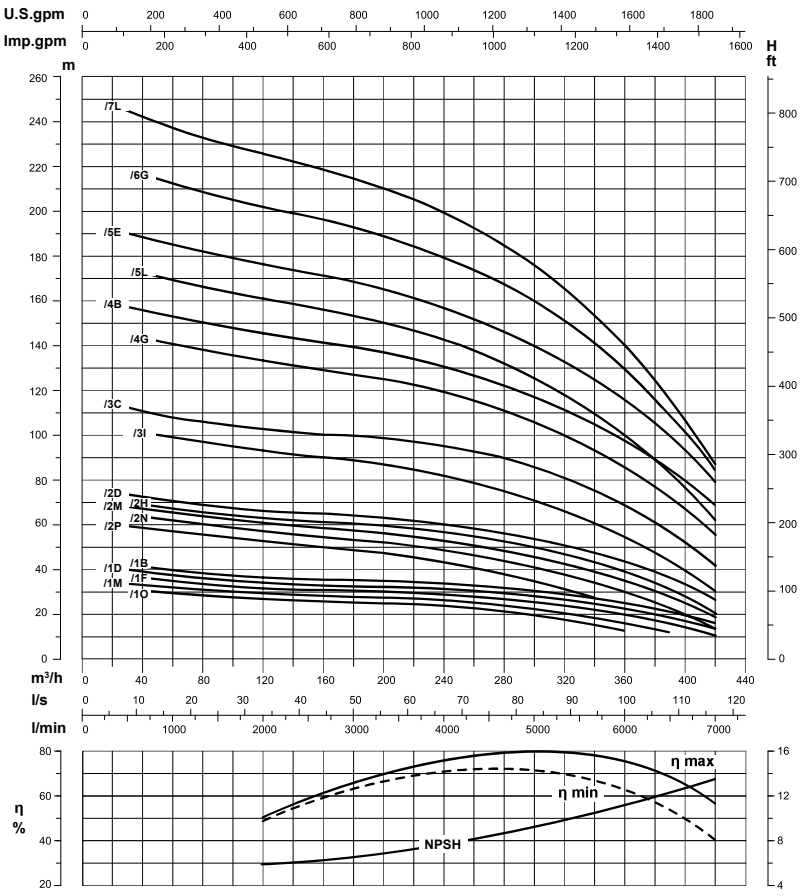
*** *** For the weight of the AISI 316 version, please check the reference motor page or contact our sales network.

●	Permitted
O	Only version PE2 + PA
Δ	Contact our sales network

SMC10 320 - SMN10 320

SUBMERSIBLE PUMPS





Performance at 50 Hz 2 poles. The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

SMC12 - SMN12

SUBMERSIBLE PUMPS



SMC12 SMN12

TECHNICAL DATA

Operating range: up to 540 m^3/h with head up to 320 m
Pumped liquid: clean, free of solids and abrasives, chemically neutral, with properties similar to water
Start-ups/hour: see the coupled motor
Cooling flow: see the coupled motor
Maximum permitted amount of sand: 40 g/m^3
Ambient temperature: 30 °C
Minimum recommended level on suction line: 2.5 m
Installation: horizontal or vertical

APPLICATIONS

Multistage semiaxial submersible electric pumps for wells measuring 12" or above, able to generate a broad range of flow rates and heads.
They are used extensively for the lifting, distribution and pressurisation of industrial water systems, the supply of pressure vessels and tanks, firefighting systems and irrigation systems.
Application with clean, non-aggressive water free from solids or abrasive substances.

CONSTRUCTION FEATURES OF THE PUMP

SMC version:
Cast iron pump body treated with cataphoresis paint coating and dynamically balanced impellers in microcast AISI 304 stainless steel coupled on the shaft with pull tab. Shaft guided with coaxial bush bearings and fully protected with bushes.
Pump with check valve of low pressure loss.
Flanged delivery port and kit containing counter flange, bolts and gaskets.

SMN version:
Pump body and impellers in microcast AISI 316 stainless steel. Dynamically balanced impellers coupled on the shaft with pull tab. Shaft guided with coaxial bush bearings and fully protected with bushes.
Pump with check valve of low pressure loss.
Flanged delivery port and kit containing counter flange, bolts and gaskets.

Coupling with motors of 6" or 8" depending on the required hydraulic power and available in a standard version with cast iron supports treated with cataphoresis paint coating, and in a version entirely in AISI 316 stainless steel:
6GF/6GX: encapsulated 6" submersible motor
TR6: rewindable 6" submersible motor
TR8: rewindable 8" submersible motor
TR10: rewindable 10" submersible motor
TR12: rewindable 12" submersible motor
Refer to the technical data sheets of the specific model for the electrical characteristics of the submersible motors and the specifications for operation with inverter.

ON REQUEST

Motor in AISI 316 stainless steel for use in aggressive water.
Non-standard pump/motor couplings.
Star/Delta starting version.
Motor version for high temperature of water.

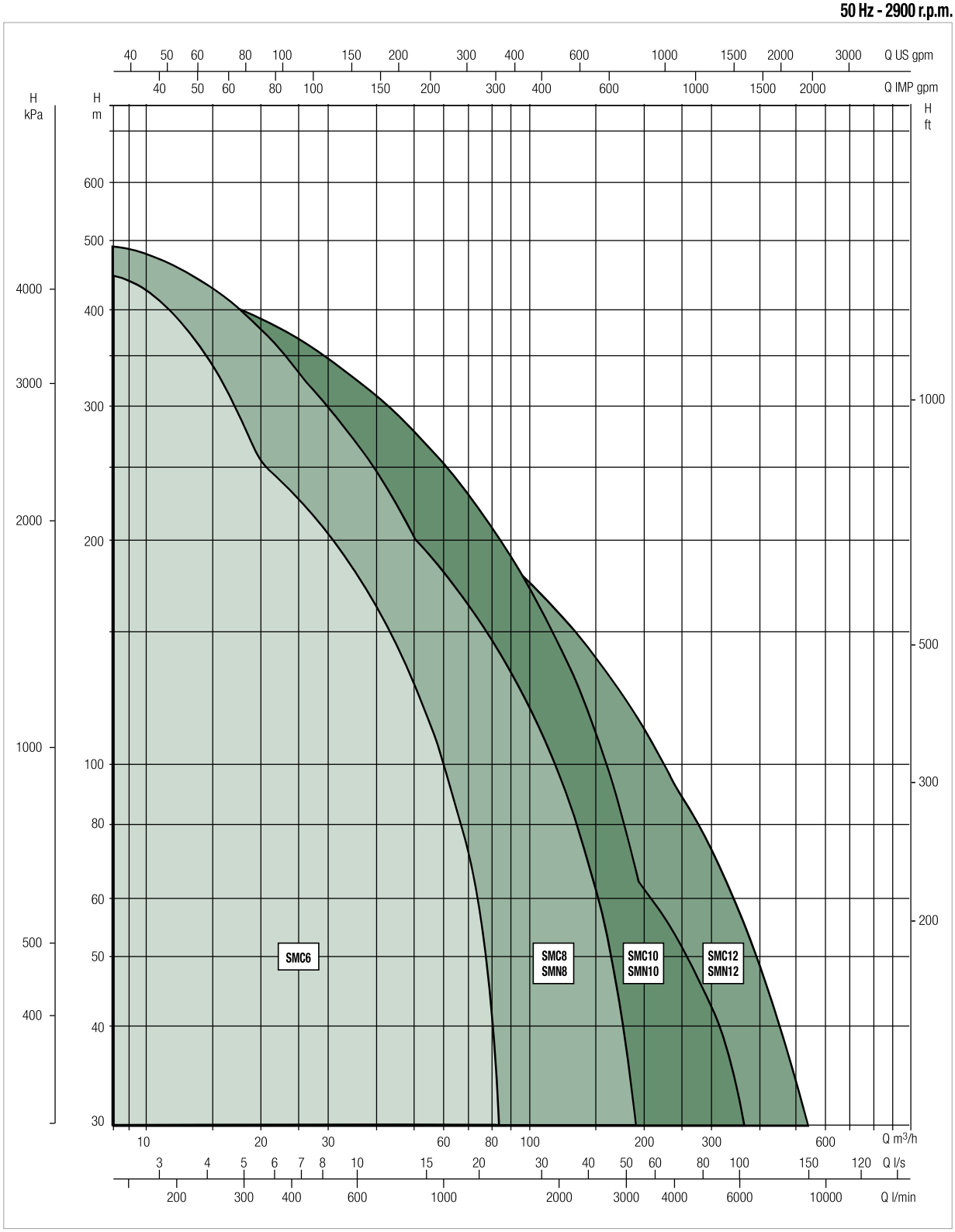
DAB PUMPS reserves the right to make modifications without notice.

PERFORMANCE RANGE

The performance curves are based on kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.

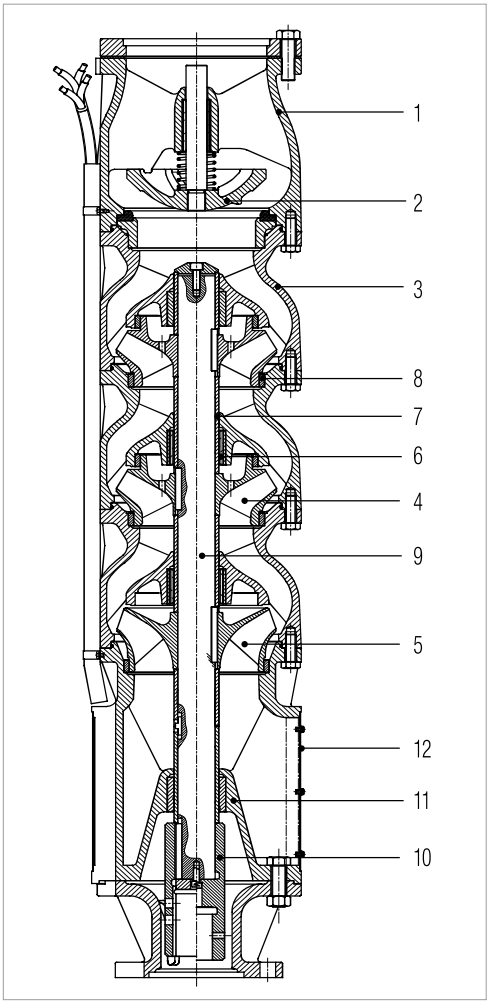
GRAPHIC SELECTION TABLE

50 Hz - 2900 r.p.m.

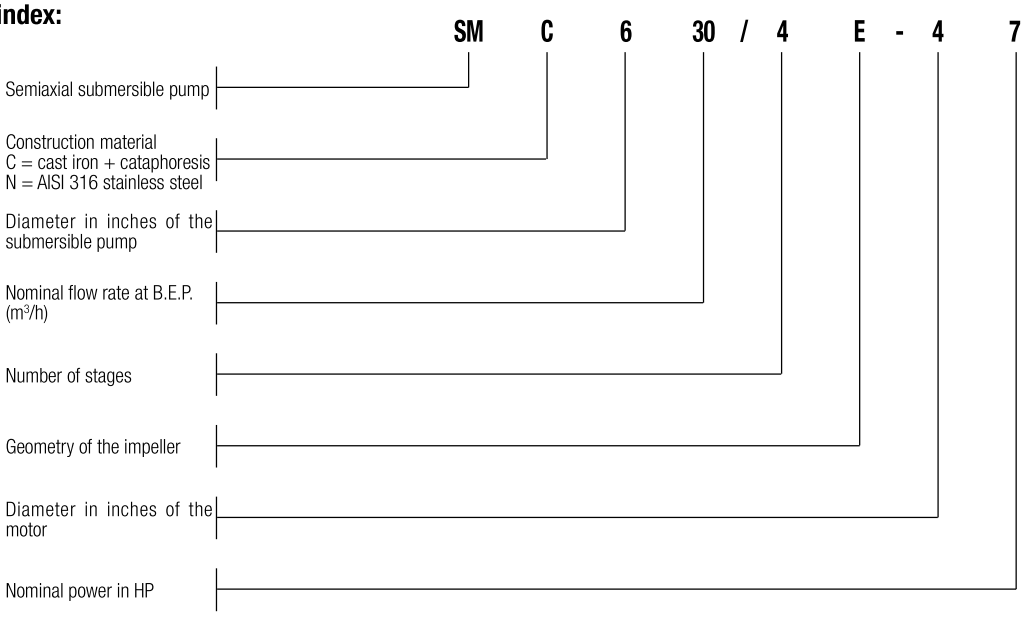


MATERIALS

N°	PARTS	MATERIALS - SMC	MATERIALS - SMN
1	DELIVERY BODY	CAST IRON + CATAPHORESIS	AISI 316 STAINLESS STEEL
2	NON-RETURN VALVE	CAST IRON + CATAPHORESIS	AISI 316 STAINLESS STEEL
3	DIFFUSER	CAST IRON + CATAPHORESIS	AISI 316 STAINLESS STEEL
4	IMPELLER	AISI 316 STAINLESS STEEL	AISI 316 STAINLESS STEEL
5	SUCTION IMPELLER	AISI 316 STAINLESS STEEL	AISI 316 STAINLESS STEEL
6	GUIDE BEARING	RUBBER	VITON
7	BUSH	BRONZE	AISI 316 STAINLESS STEEL
8	WEAR RING	BRONZE	POM
9	PUMP SHAFT	STAINLESS STEEL	AISI 329 DUPLEX STAINLESS STEEL
10	PIPE	STAINLESS STEEL	AISI 329 DUPLEX STAINLESS STEEL
11	SUCTION BODY	CAST IRON + CATAPHORESIS	AISI 316 STAINLESS STEEL
12	FILTER GRID	STAINLESS STEEL	AISI 316 STAINLESS STEEL



– Denomination index:
(example)



SMC12 360 - SMN12 360

SUBMERSIBLE PUMPS

PERFORMANCE AT 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA														COUPLING STANDARD MOTOR
	P2 NOMINAL		Q=m³h	0	180	210	240	270	285	300	315	330	360	390	420	450	
	kW	HP	Q=l/min	0	3000	3500	4000	4500	4750	5000	5250	5500	6000	6500	7000	7500	
360/1A	45	60	H (m)	55,5	46	44,5	43	41,5	40,5	39,5	38	36,5	33,5	29,5	25	20	8"
360/1B	55	75		63	51	49,5	48	46,5	46	45	44	42,5	39	35,5	31	26	8"
360/1C	75	100		65,5	54,5	53,5	52	50,5	49,5	49	48	46,5	44	40,5	37	33	8"
360/2A	75	100		100,5	85	82,5	79	75	72,5	69,5	66,5	62,5	53,5	43,5	33	-	8"
360/2B	92	125		117,5	97,5	95	92	88,5	86,5	84	81	77,5	68,5	58,5	47	-	8"
360/2C	110	150		130,5	107,5	105	102,5	99,5	98	96,5	94,5	91,5	85,5	77,5	68,5	57,5	8"
360/3A	132	180		168,5	139	134	129,5	125	122	119,5	116,5	112	101,5	86,5	65	-	10"
360/3B	147	200		185	153,5	149	144	139,5	137	134	131	127	117,5	104,5	87	61,5	10"
360/4A	190	260		224,5	193	188	182,5	176	171,5	167	162	155,5	140	122,5	102	-	10"
360/5A	220	300		295,5	237,5	230	221,5	213,5	207,5	201,5	193	183,5	163,5	138	105	-	12"
360/5B	250	340		319,5	259	252	244,5	236	231	224,5	217,5	208	187,5	166,5	137,5	100	12"

ELECTRICAL DATA AND DIMENSIONS

MODEL	MOTOR *	ELECTRICAL DATA			OPERATION WITH INVERTER	HORIZONTAL INSTALLATION	L2 mm	L mm	L1 mm	D mm	D1 mm	DN	WEIGHT SMC Kg	WEIGHT SMN Kg	MOTOR WEIGHT** Kg
		P2 NOMINAL		In A											
		kW	HP												
360/1A-860	**TR8**	45	60	92	o	●	2169	1270	899	192	298	7"	136	99	177
360/1B-875	**TR8**	55	75	109	o	●	2249	1350	899	192	298	7"	136	99	192
360/1C-8100	**TR8**	75	100	145	o	●	2489	1590	899	192	298	7"	136	99	237
360/2A-8100	**TR8**	75	100	145	o	●	2689	1590	1099	192	298	7"	174	129	237
360/2B-8125	**TR8**	92	125	177	o	●	2929	1830	1099	192	298	7"	174	129	283
360/2C-8150	**TR8**	110	150	213	o	●	3184	2060	1124	192	298	7"	178	129	333
360/3A-10180	**TR10**	132	180	257	o	●	3194	1870	1324	237	298	7"	217	158	435
360/3B-10200	**TR10**	147	200	300	o	●	3394	2070	1324	237	298	7"	217	158	500
360/4A-10260	**TR10**	190	260	405	o	●	3924	2400	1524	237	298	7"	255	188	580
360/5A-12300	**TR12**	220	300	425	o	Δ	3834	2110	1724	286	298	7"	294	217	700
360/5B-12340	**TR12**	250	340	481	o	Δ	4004	2280	1724	286	298	7"	294	217	775

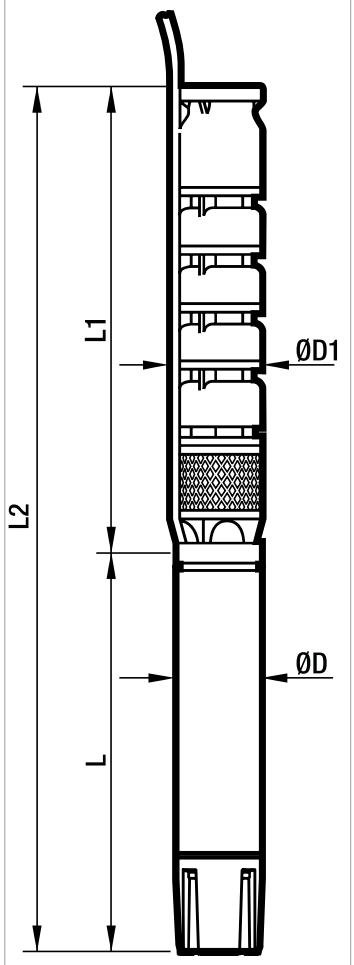
*** 6GF motor:** 6" encapsulated water-gycol-filled motor with stator immersed in thermosetting insulating resin
TR motor: 6" - 12" water-filled rewindable motor

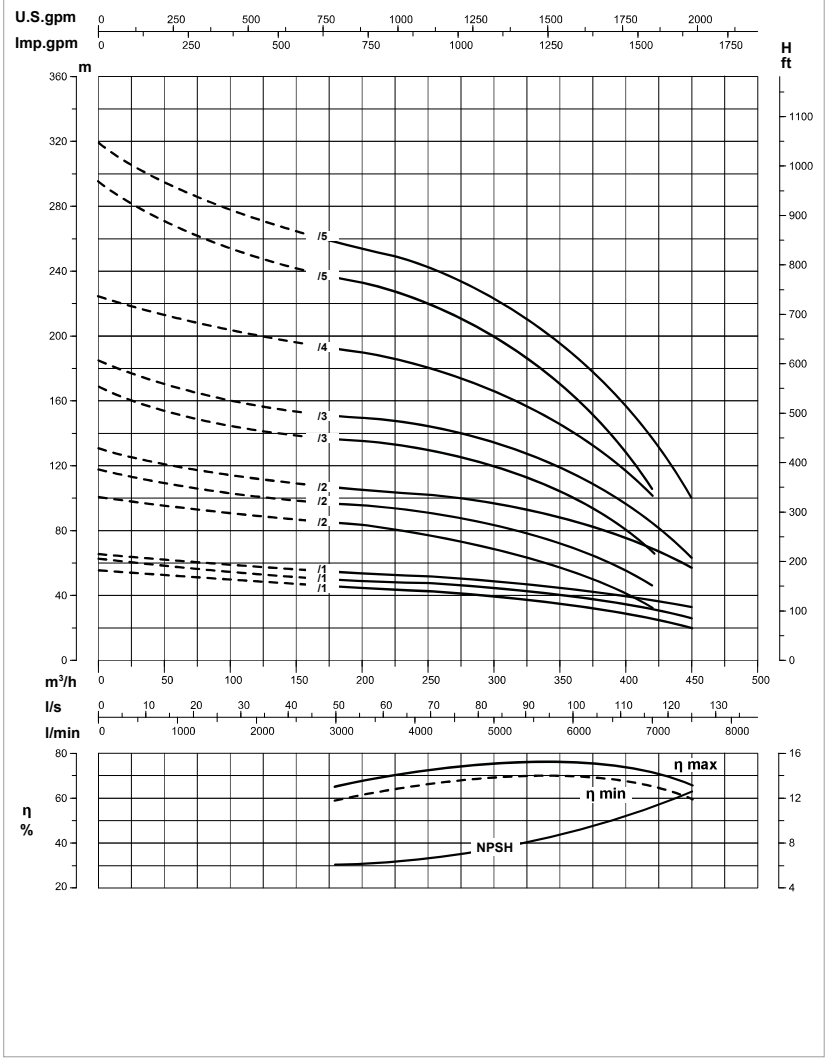
*** *** For the weight of the AISI 316 version, please check the reference motor page or contact our sales network.

●	Permitted
o	Only version PE2 + PA
Δ	Contact our sales network

SMC12 360 - SMN12 360

SUBMERSIBLE PUMPS





Performance at 50 Hz 2 poles. The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.

SMC12 420 - SMN12 420

SUBMERSIBLE PUMPS

PERFORMANCE AT 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA														COUPLING STANDARD MOTOR
	P2 NOMINAL		Q=m³h	0	210	240	270	300	330	360	390	420	450	480	510	540	
	kW	HP	Q=l/min	0	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	
420/1A	45	60	H (m)	52	39,5	38	36,5	35	34	32,5	30,5	28,5	26	22,5	19	14	8"
420/1B	55	75		58,5	44,5	43	41,5	40	39	38	36,5	35	32,5	30	26,5	22	8"
420/2A	92	125		101,5	80,5	78	75,5	73	70,5	67,5	64,5	60,5	56	51,5	46	40,5	8"
420/2B	110	150		114,5	90,5	88	85,5	83	80,5	77,5	74,5	71	66	61	54	46	8"
420/3A	132	180		134	111	107,5	104	100,5	96,5	92,5	88	82	75,5	68	59,5	50,5	10"
420/3B	147	200		156,5	124	120,5	117	114	110	106,5	102,5	97	90,5	83,5	75,5	66,5	10"
420/4A	190	260		196	154	149,5	145	140,5	135,5	130	124	116,5	107,5	97	85,5	72	10"
420/4B	220	300		221	173,5	169	165	161	156,5	152	147	139,5	131	121,5	110,5	96	12"
420/5A	250	340		260,5	204	198	192,5	187	182	176,5	170,5	162	152	139	121,5	100	12"

ELECTRICAL DATA AND DIMENSIONS

MODEL	MOTOR *	ELECTRICAL DATA			OPERATION WITH INVERTER	HORIZONTAL INSTALLATION	L2 mm	L mm	L1 mm	D mm	D1 mm	DN	WEIGHT SMC Kg	WEIGHT SMN Kg	MOTOR WEIGHT** Kg
		P2 NOMINAL		In A											
		kW	HP												
420/1A-860	TR8	45	60	92	o	●	2169	1270	899	192	298	7"	134	96	177
420/1B-875	TR8	55	75	109	o	●	2249	1350	899	192	298	7"	134	96	192
420/2A-8125	TR8	92	125	177	o	●	2929	1830	1099	192	298	7"	170	123	283
420/2B-8150	TR8	110	150	213	o	●	3184	2060	1124	192	298	7"	174	123	333
420/3A-10180	TR10	132	180	257	o	●	3194	1870	1324	237	298	7"	211	149	435
420/3B-10200	TR10	147	200	300	o	●	3394	2070	1324	237	298	7"	211	149	500
420/4A-10260	TR10	190	260	405	o	●	3924	2400	1524	237	298	7"	247	176	580
420/4B-12300	TR12	220	300	425	o	Δ	3634	2110	1524	286	298	7"	247	176	700
420/5A-12340	TR12	250	340	481	o	Δ	4004	2280	1724	286	298	7"	284	203	775

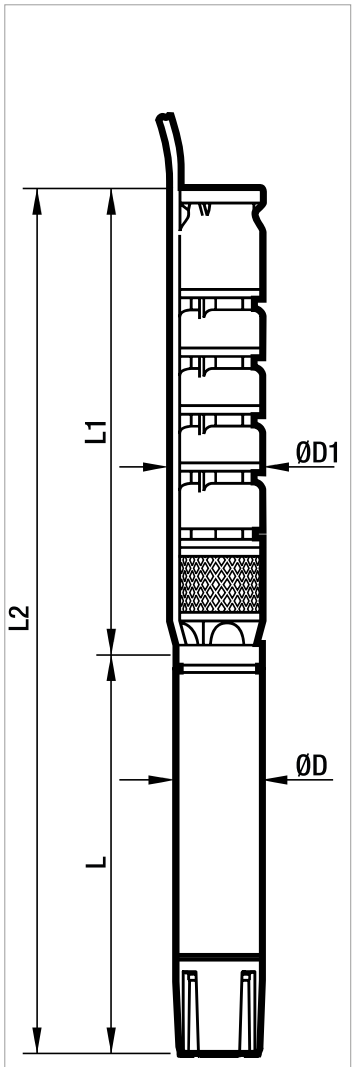
*** 6GF motor:** 6" encapsulated water-gycol-filled motor with stator immersed in thermosetting insulating resin
TR motor: 6" - 12" water-filled rewindable motor

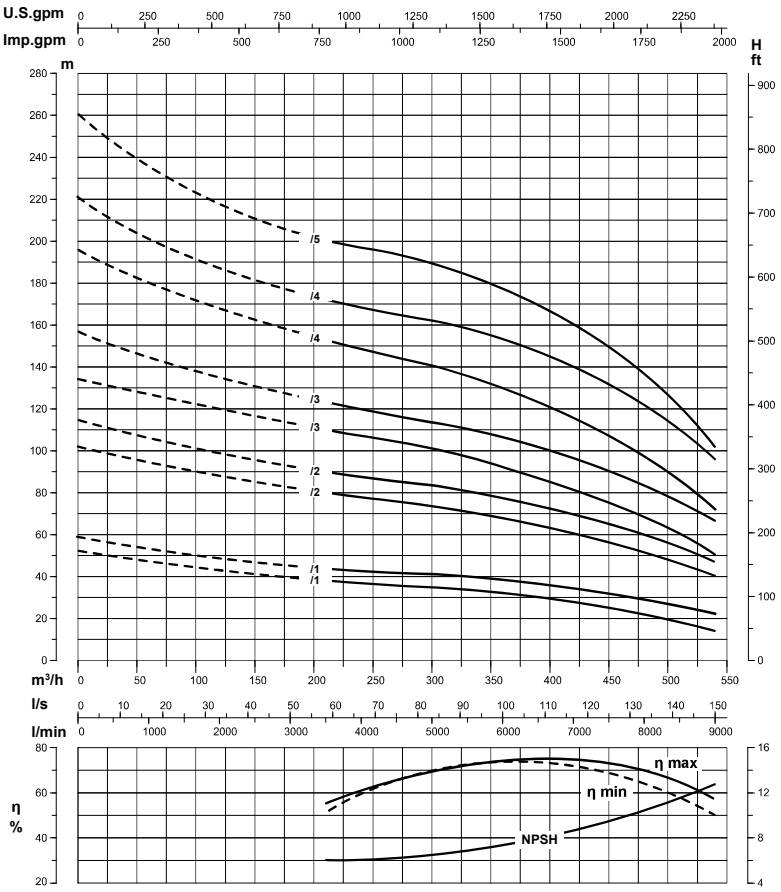
*** *** For the weight of the AISI 316 version, please check the reference motor page or contact our sales network.

●	Permitted
o	Only version PE2 + PA
Δ	Contact our sales network

SMC12 420

SUBMERSIBLE PUMPS





Performance at 50 Hz 2 poles. The performance curves are based on kinematic viscosity values = 1 mm^2/s and density equal to 1000 kg/m^3. Curve tolerance according to ISO 9906.