



TECHNICAL DATA

Performance range: flow up to 75 m³/h and max head of 670 m
Max. quantity of sand/silt: 50g/m³
Max. ambient temperature: 30°C (50°C available on request)
Outlet connection diameter (inside threaded): SS6 A – SS6 B : 2 ½"
 SS6 C : 3"
 SS6 D – SS6 E : 4"
Nr of starts: refer to the motor specification
Motor Cooling flow: refer to the motor specification
Installation: horizontal or vertical, refer to the motor specification

APPLICATIONS

Multistage mixed-flow borehole electric pumps, completely made in stainless steel (AISI 304L or AISI 316 on request), usable for wells from a minimum diameter equal to pump size or greater and capable of developing a wide range of Flows and Heads. These pumps can be used in a wide range of lifting, distributing, and pressuring application: domestic and general water supply; sprinkler and drip irrigations systems; fire-fighting installations; lowering of groundwater level; industrial supplies as mining, hot springs, autoclaves and tanks. These pumps are suitable both for standard water and for aggressive water applications by choosing the proper manufacturing material (AISI 304L or AISI 316) both for hydraulic part and motor. Special version of motors with PE2+PA windings can be used on request for high-temperature water applications up to maximum 50°C. Pumps can be installed both vertically and horizontally simply by removing the non-return valve and adding a cooling sleeve to the suction case (the only remark is to check the motor applicability to horizontal operations, refer to the motor specifications section).

CONSTRUCTION FEATURES OF PUMP

Mixed flow pumps with diffusers, impellers, brackets, suction case and discharge case completely made of stainless steel AISI 304 in order to provide maximum strength, durability, wear and tear resistance.

The impellers are balanced and locked to the shaft with a specially shaped collet and nut coupling, in order to guarantee ease-to-assembly feature and avoid vibration sensitive malfunctions and noise increase during rotation.

Rubber bearings that drive the shaft are water lubricated and have sand channels to make enable the sand particles leave the pump with the pumped liquid (maximum permissible sand content 50 gr/m³).

Built-in non returned valve provided in order to minimize local friction losses.

Stainless steel strainer provided in order to prevent particles over a certain size from entering the pump.

Coupling with 6", 8" or 10" motor depending on the power requested by hydraulic part:

- 6GF: 6" canned submersible motor
- TR6: 6" rewindable submersible motor
- TR8: 8" rewindable submersible motor
- TR10: 10" rewindable submersible motor

For inverter application refer to the detailed motor specification.

ON REQUEST:

- Pump body stainless steel AISI 316 for aggressive water application
- Impellers stainless steel AISI 316
- Motors in full stainless steel AISI 316 for aggressive water application
- Star/Delta starting version
- Special version of the motor for high temperature application
- Non-standard power coupling

SS6C

SUBMERSIBLE ELECTRIC PUMPS 6"

PERFORMANCE 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA											STANDARD MOTOR COUPLING
	P2 NOMINAL		Q=m ³ h	0	6	10	14	18	22	26	30	34	38	
	kW	HP	Q=l/min	0	100	166,6	233,3	300	366,6	433,3	500	566,6	633,3	
SS6C 04	4	5,5	H (m)	47	46	44	43	40	37	34	30	25	20	6"
SS6C 05	5,5	7,5		59	57	55	53	50	47	42	37	32	25	6"
SS6C 06	5,5	7,5		70	69	67	64	60	56	51	45	38	30	6"
SS6C 07	7,5	10		82	80	78	74	70	65	59	52	44	35	6"
SS6C 08	7,5	10		94	92	89	85	80	75	68	60	51	40	6"
SS6C 09	9,2	12,5		105	103	100	96	90	84	76	67	57	45	6"
SS6C 10	9,2	12,5		117	114	111	106	100	93	85	75	63	50	6"
SS6C 11	9,2	12,5		129	126	122	117	110	103	93	82	70	55	6"
SS6C 12	11	15		141	137	133	128	120	112	102	90	76	60	6"
SS6C 13	11	15		152	149	144	138	131	121	110	97	82	65	6"
SS6C 14	15	20		164	160	155	149	141	131	119	105	89	70	6"
SS6C 15	15	20		176	172	166	159	151	140	127	112	95	75	6"
SS6C 16	15	20		187	183	178	170	161	149	136	120	101	80	6"
SS6C 17	15	20		199	195	189	181	171	159	144	127	108	85	6"
SS6C 18	18,5	25		211	206	200	191	181	168	153	135	114	90	6"
SS6C 19	18,5	25		223	217	211	202	191	177	161	142	121	95	6"
SS6C 20	18,5	25		234	229	222	213	201	186	170	150	127	100	6"

SUBMERSIBLE PUMPS

BOMBARDIER

PERFORMANCE 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA											STANDARD MOTOR COUPLING
	P2 NOMINAL		Q=m ³ h	0	6	10	14	18	22	26	30	34	38	
	kW	HP	Q=l/min	0	100	166,6	233,3	300	366,6	433,3	500	566,6	633,3	
SS6C 21	18,5	25	H (m)	246	240	233	223	211	196	178	157	133	105	6"
SS6C 22	22	30		258	252	244	234	221	205	187	165	140	110	6"
SS6C 23	22	30		269	263	255	244	231	214	195	172	146	115	6"
SS6C 24	22	30		281	275	266	255	241	224	203	180	152	120	6"
SS6C 25	22	30		293	286	277	266	251	233	212	187	159	125	6"
SS6C 26	22	30		305	298	289	276	261	242	220	195	165	130	6"
SS6C 27	26	35		316	309	300	287	271	252	229	202	171	136	6"
SS6C 28	26	35		328	320	311	298	281	261	237	210	178	141	6"
SS6C 29	26	35		340	332	322	308	291	270	246	217	184	146	6"
SS6C 30	26	35		351	343	333	319	301	280	254	225	190	151	6"
SS6C 31	30	40		363	355	344	330	311	289	263	232	197	156	6"
SS6C 32	30	40		375	366	355	340	321	298	271	240	203	161	6"
SS6C 33	30	40		387	378	366	351	331	308	280	247	209	166	6"
SS6C 34	30	40		398	389	377	361	341	317	288	255	216	171	6"
SS6C 35	30	40		410	401	388	372	351	326	297	262	222	176	6"
SS6C 36	30	40		422	412	400	383	361	336	305	270	228	181	6"
SS6C 37	37	50		433	423	411	393	371	345	314	277	235	186	6"

SUBMERSIBLE PUMPS

BOMBARDIER

PERFORMANCE 50 Hz - 2 POLES

MODEL	ELECTRICAL DATA		HYDRAULIC DATA											STANDARD MOTOR COUPLING
	P2 NOMINAL		Q=m ³ h	0	6	10	14	18	22	26	30	34	38	
	kW	HP	Q=l/min	0	100	166,6	233,3	300	366,6	433,3	500	566,6	633,3	
SS6C 38	37	50	H (m)	445	435	422	404	381	354	322	285	241	191	6"
SS6C 39	37	50		457	446	433	415	392	364	331	292	247	196	6"
SS6C 40	37	50		469	458	444	425	402	373	339	300	254	201	6"
SS6C 41	37	50		480	469	455	436	412	382	348	307	260	206	6"
SS6C 42	37	50		492	481	466	446	422	392	356	315	266	211	6"
SS6C 43	45	60		504	492	477	457	432	401	365	322	273	216	8"
SS6C 44	45	60		515	504	488	468	442	410	373	330	279	221	8"
SS6C 45	45	60		527	515	499	478	452	420	381	337	285	226	8"
SS6C 46	45	60		539	526	511	489	462	429	390	344	292	231	8"
SS6C 47	45	60		551	538	522	500	472	438	398	352	298	236	8"
SS6C 48	45	60		562	549	533	510	482	448	407	359	304	241	8"
SS6C 49	45	60		574	561	544	521	492	457	415	367	311	246	8"
SS6C 50	45	60		586	572	555	532	502	466	424	374	317	251	8"
SS6C 51	45	60		597	584	566	542	512	476	432	382	323	256	8"
SS6C 52	55	75		609	595	577	553	522	485	441	389	330	261	8"
SS6C 53	55	75		621	607	588	563	532	494	449	397	336	266	8"
SS6C 54	55	75	633	618	599	574	542	503	458	404	342	271	8"	

BOMBARDIER