

Deep well pumps

SPINOX
Motors



4" SPINOX

Multi-stage deep well pumps with a diameter of 98 mm. Entirely made of stainless steel, designed for installation in wells with a minimum internal diameter of 115 mm. The pumps are used to supply water to single- and multi-family houses, farms, as well as to power irrigation systems (sprinklers, drip lines). The pumps are also used in industrial and drainage applications.

FEATURES:

- Pumps made entirely of stainless steel
- Increased wear resistance
- Integrated check valve
- Available with water-filled motors – WMC, oil-filled motors – IOM by iQ PR and Italian oil-filled motors – IBO Italy
- Starting box (in 230 V version) with an integrated overcurrent protection and capacitor
- Thermal protection integrated into the motor winding (230 V version)
- Possibility to attach a cable of a certain length (multiples of 5 m)

TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Power supply: 230 V or 400 V
- Insulation grade: F
- Operating mode: continuous
- Protection grade: IP68
- Power cord length: 1,5 m
- Working position: vertical/horizontal
- Motor speed: 2850

MATERIALS:

- Suction/discharge body: AISI 304 stainless steel
- Housing: AISI 304 stainless steel
- Shaft and rotor: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Diffuser: AISI 304 stainless steel
- Mechanical seal: ceramic / SiC / NBR



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4" SPINOX 2			Flow (Q)							
Model	Flow (l/min)	Motor power (kW)	m ³ /h	0	1	1,4	1,8	2	2,4	2,8
			l/min	0	16,7	23,4	30,1	33,4	40,1	46,8
4" SPINOX 2-6	50	0,37	Head H (m)	36	33	30	26	24	17	13
4" SPINOX 2-9	50	0,37		53	48	44	38	34	24	17
4" SPINOX 2-13	50	0,55		77	70	64	55	50	35	26
4" SPINOX 2-18	50	0,75		107	97	89	77	69	49	36
4" SPINOX 2-23	50	1,1		137	124	114	99	90	64	47
4" SPINOX 2-28	50	1,5		167	152	140	122	110	79	59

Model	Motor power (kW)	Voltage (V)	Discharge outlet (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulic length*	Length* with motor Water-filled	Length* with motor – Oil-filled	Pump diameter*	Weight Water-filled (kg)	Weight Oil-filled (kg)
4" SPINOX 2-6	0,37	230 / 400	1¼	2,8 / 1,1	–	363	634	–	97	16,5	–
4" SPINOX 2-9	0,37	230 / 400	1¼	2,8 / 1,1	–	462	697	–	97	17	–
4" SPINOX 2-13	0,55	230 / 400	1¼	3,8 / 1,5	–	510	801	–	97	18	–
4" SPINOX 2-18	0,75	230 / 400	1¼	4,9 / 2,2	–	615	906	–	97	20	–
4" SPINOX 2-23	1,1	230 / 400	1¼	7,5 / 2,7	8,3 / 3,3	720	1059	1152	97	24	20
4" SPINOX 2-28	1,5	230 / 400	1¼	10,3 / 4,1	11 / 4,3	825	1229	1297	97	27	23

4" SPINOX 3			Flow (Q)										
Model	Flow (l/min)	Motor power (kW)	m³/h	0	1	1,4	1,8	2	2,4	2,8	3,4	4	4,4
			l/min	0	16,7	23,4	30,1	33,4	40,1	46,8	56,8	66,8	73,5
4" SPINOX 3-6	75	0,37	Head H (m)	38	35	34	32	31	30	27	22	15	12
4" SPINOX 3-9	75	0,55		57	54	51	49	47	45	41	33	23	19
4" SPINOX 3-12	75	0,75		76	70	68	65	64	60	55	45	31	26
4" SPINOX 3-15	75	1,1		95	87	85	82	80	76	70	57	40	33
4" SPINOX 3-18	75	1,1		113	105	101	97	95	89	82	67	46	38
4" SPINOX 3-22	75	1,5		139	129	125	120	117	110	101	83	57	47
4" SPINOX 3-25	75	1,5		157	145	140	135	131	124	113	92	63	52
4" SPINOX 3-29	75	2,2		184	171	166	159	156	147	136	111	78	65
4" SPINOX 3-33	75	2,2		209	194	187	180	176	166	152	125	87	72

Model	Motor power (kW)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulic length*	Length* with motor Water-filled	Length* with motor – Oil-filled	Pump diameter*	Weight Water-filled (kg)	Weight Oil-filled (kg)
4" SPINOX 3-6	0,37	230 / 400	1¼	2,8 / 1,1	–	363	634	–	97	16,5	–
4" SPINOX 3-9	0,55	230 / 400	1¼	3,8 / 1,5	–	426	717	–	97	17	–
4" SPINOX 3-12	0,75	230 / 400	1¼	4,9 / 2,2	–	489	780	–	97	18,5	–
4" SPINOX 3-15	1,1	230 / 400	1¼	7,5 / 2,7	8,3 / 3,3	552	891	984	97	22,5	18
4" SPINOX 3-18	1,1	230 / 400	1¼	7,5 / 2,7	8,3 / 3,3	615	954	1047	97	23	18,5
4" SPINOX 3-22	1,5	230 / 400	1¼	10,3 / 4,1	11 / 4,3	699	1103	1171	97	26	21,5
4" SPINOX 3-25	1,5	230 / 400	1¼	10,3 / 4,1	11 / 4,3	762	1166	1234	97	26,5	22
4" SPINOX 3-29	2,2	230 / 400	1¼	14,5 / 6,3	15,8 / 6	846	1384	1431	97	34,5	27,5
4" SPINOX 3-33	2,2	230 / 400	1¼	14,5 / 6,3	15,8 / 6	930	1468	1515	97	35,5	28,5

* Dimensions given in mm

4" SPINOX cont.

4" SPINOX 5			FLOW (Q)										
Model	Flow (l/min)	Motor power (kW)	m ³ /h	0	1,4	2	2,8	3,4	4	4,4	5	6	6,7
			l/min	0	23,4	33,4	46,8	56,8	66,8	73,5	83,5	100,2	111,6
4" SPINOX 5-4	115	0,37	Head H (m)	26	23	22	21	20	19	18	16	11	9
4" SPINOX 5-6	115	0,55		38	35	33	32	30	28	26	24	17	11
4" SPINOX 5-8	115	0,75		51	47	45	43	40	38	36	32	23	15
4" SPINOX 5-12	115	1,1		77	70	67	63	60	56	54	47	35	23
4" SPINOX 5-17	115	1,5		109	97	94	90	85	80	75	67	49	32
4" SPINOX 5-21	115	2,2		135	122	118	112	106	100	95	85	63	42
4" SPINOX 5-25	115	2,2		160	145	139	131	125	118	112	99	72	48
4" SPINOX 5-33	115	3		211	190	183	173	166	155	148	130	95	62
4" SPINOX 5-38	115	4		250	229	219	209	199	186	177	157	115	76
4" SPINOX 5-44	115	4		281	257	245	232	220	207	195	174	127	84

Model	Motor power (kW)	Voltage (V)	Discharge outlet (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics length*	Length* with motor Water-filled	Length* with motor Oil-filled	Pump diameter* (mm)	Weight Water-filled (kg)	Weight Oil-filled (kg)
4" SPINOX 5-4	0,37	230 / 400	1½	2,8 / 1,1	–	321	563	–	97	16	–
4" SPINOX 5-6	0,55	230 / 400	1½	3,8 / 1,5	–	363	634	–	97	16,5	–
4" SPINOX 5-8	0,75	230 / 400	1½	4,9 / 2,2	–	405	696	–	97	18	–
4" SPINOX 5-12	1,1	230 / 400	1½	7,5 / 2,7	8,3 / 3,3	489	828	921	97	21,5	17,5
4" SPINOX 5-17	1,5	230 / 400	1½	10,3 / 4,1	11 / 4,3	594	998	1066	97	25	20,5
4" SPINOX 5-25	2,2	230 / 400	1½	14,5 / 6,3	15,8 / 6	678	1216	1263	97	32,5	26
4" SPINOX 5-21	2,2	230 / 400	1½	14,5 / 6,3	15,8 / 6	762	1300	1347	97	33,5	27
4" SPINOX 5-33	3	400	1½	8,1	8	930	1508	1490	97	37,5	27,5
4" SPINOX 5-38	4	400	1½	10,4	10,4	1035	1725	1669	97	43,5	33,5
4" SPINOX 5-44	4	400	1½	10,4	10,4	1465	2155	2099	97	48,5	38,5

4" SPINOX 8			FLOW (Q)									
Model	Flow (l/min)	Motor power (kW)	m ³ /h	0	3	6	8	9	11	12		
			l/min	0	50	100	130	150	180	200		
4" SPINOX 8-4	200	0,55	Head H (m)	26	24	22	20	17	13	9		
4" SPINOX 8-6	200	1,1		39	36	33	29	26	19	14		
4" SPINOX 8-9	200	1,5		59	54	50	44	39	29	21		
4" SPINOX 8-11	200	2,2		72	66	61	54	47	35	26		
4" SPINOX 8-13	200	2,2		85	78	72	63	56	42	31		
4" SPINOX 8-16	200	2,2		105	96	89	78	69	52	38		
4" SPINOX 8-19	200	3		124	114	105	93	81	61	45		
4" SPINOX 8-22	200	4		144	132	122	107	94	71	52		
4" SPINOX 8-26	200	4		170	156	144	127	111	84	61		
4" SPINOX 8-31	200	5,5		203	186	172	151	133	100	73		
4" SPINOX 8-36	200	5,5		231	220	210	188	173	123	77		
4" SPINOX 8-41	200	7,5		263	251	239	214	197	140	88		
4" SPINOX 8-47	200	7,5		302	288	274	245	226	161	101		

Model	Motor power (kW)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics length*	Length* with motor Water-filled	Length* with motor – Oil-filled	Pump diameter* (mm)	Weight Water-filled (kg)	Weight Oil-filled (kg)
4" SPINOX 8-4	0,55	230 / 400	2	3,8 / 1,5	–	418	709	–	97	17	–
4" SPINOX 8-6	1,1	230 / 400		7,5 / 2,7	8,3 / 3,3	518	858	950	97	21	16,5
4" SPINOX 8-9	1,5	230 / 400		10,3 / 4,1	11 / 4,3	668	1073	1140	97	24,5	20,5
4" SPINOX 8-11	2,2	230 / 400		10,3 / 4,1	11 / 4,3	768	1173	1240	97	25,5	21
4" SPINOX 8-13	2,2	230 / 400		14,5 / 6,3	15,8 / 6	868	1407	1453	97	33,5	27
4" SPINOX 8-16	2,2	230 / 400		14,5 / 6,3	15,8 / 6	1018	1557	1603	97	35	28,5
4" SPINOX 8-22	3	400		8,1	8	1168	1747	1728	97	38,5	28,5
4" SPINOX 8-26	4	400		10,4	10,4	1318	2010	1952	97	45	35
4" SPINOX 8-31	5,5	400		10,4	10,4	1518	2210	2152	97	47	37
4" SPINOX 8-36	5,5	400		13,4	13,9	1768	2537	2512	97	53,5	45,5
4" SPINOX 8-41	7,5	400		13,4	13,9	2018	2787	2762	97	56	48
4" SPINOX 8-47	7,5	400		18	18,7	2268	3096	3097	97	61,5	55,5
4" SPINOX 8-47	7,5	400		18	18,7	2568	3396	3397	97	64,5	58,5

* Dimensions given in mm

4" SPINOX cont.

4" SPINOX 10			Flow (Q)							
Model	Flow (l/min)	Motor power (kW)	m³/h	0	2	4	6	8	10	12
			l/min	0	33,4	66,7	100	133,4	167	200
4" SPINOX 10-4	245	0,75	Head H (m)	27	26	25	24	22	20	18
4" SPINOX 10-5	245	1,1		34	33	31	30	28	25	23
4" SPINOX 10-7	245	1,5		47	46	44	42	39	35	32
4" SPINOX 10-10	245	2,2		68	65	63	60	55	50	45
4" SPINOX 10-13	245	3		88	85	81	78	72	65	59
4" SPINOX 10-17	245	4		115	111	106	102	94	85	77
4" SPINOX 10-23	245	5,5		155	150	144	138	127	115	104
4" SPINOX 10-31	245	7,5		209	202	194	186	171	155	140

Model	Motor power (kW)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics length*	Length* with motor Water-filled	Length* with motor – Oil-filled	Pump diameter*	Weight Water-filled (kg)	Weight Oil-filled (kg)
4" SPINOX 10-4	0,75	230 / 400	2	7,5 / 2,7	8,3 / 3,3	495	834	924	97	21,5	17
4" SPINOX 10-5	1,1	230 / 400	2	7,5 / 2,7	8,3 / 3,3	560	899	992	97	22,5	18
4" SPINOX 10-7	1,5	230 / 400	2	10,3 / 4,1	11 / 4,3	690	1094	1162	97	25,5	21
4" SPINOX 10-10	2,2	230 / 400	2	14,5 / 6,3	15,8 / 6	885	1423	1470	97	34,5	27,5
4" SPINOX 10-13	3	400	2	8,1	8	1080	1770	1640	97	38,5	28,5
4" SPINOX 10-17	4	400	2	10,4	10,4	1340	2030	1974	97	46	36
4" SPINOX 10-23	5,5	400	2	13,4	13,9	1730	2497	2474	97	54	46
4" SPINOX 10-31	7,5	400	2	18	18,7	2250	3075	3079	97	62,5	56,5

4" SPINOX 14			Flow (Q)							
Model	Flow (l/min)	Motor power (kW)	m³/h	0	6	9	11	12	14	18
			l/min	0	100	150	183,4	200	233,4	300
4" SPINOX 14-6	335	1,5	Head H (m)	39	36	32	29	28	24	14
4" SPINOX 14-8	335	2,2		52	48	42	39	37	32	19
4" SPINOX 14-11	335	3		72	66	58	54	51	44	26
4" SPINOX 14-15	335	4		98	90	80	74	70	60	36
4" SPINOX 14-20	335	5,5		130	120	106	98	93	80	48
4" SPINOX 14-28	335	7,5		182	168	148	137	131	112	67

Model	Motor power (kW)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics length*	Length* with motor Water-filled	Length* with motor – Oil-filled	Pump diameter*	Weight Water-filled (kg)	Weight Oil-filled (kg)
4" SPINOX 14-6	1,5	230 / 400	2	10,3 / 4,1	11 / 4,3	625	1029	1097	97	25	20,5
4" SPINOX 14-8	2,2	230 / 400	2	14,5 / 6,3	15,8 / 6	755	1293	1340	97	33	26,5
4" SPINOX 14-11	3	400	2	8,1	8	950	1640	1510	97	37	27
4" SPINOX 14-15	4	400	2	10,4	10,4	1210	1900	1844	97	44,5	34,5
4" SPINOX 14-20	5,5	400	2	13,4	13,9	1535	2302	2279	97	52	44
4" SPINOX 14-28	7,5	400	2	18	18,7	2055	2880	2884	97	60,5	54,5

* Dimensions given in mm

6" SPINOX

Multi-stage deep well pumps with a diameter of 145 mm. Made entirely of stainless steel; they are designed for installation in wells with a minimum internal diameter of 160 mm. The pumps are used to supply water to: multi-family houses, farms, irrigation systems, sprinklers and lowering groundwater levels. The pumps are also used in waterworks and fire protection systems.

FEATURES:

- Pumps made entirely of stainless steel
- Increased wear resistance
- Integrated check valve
- Available with water-filled motors – WMC by iQ PR, oil-filled motors – IOM by iQ PR or IBO Italy
- Possibility to attach a cable of certain length (multiples of 5 m)
- Operating mode: continuous
- Protection grade: IP68
- Power cord length: 1,5 m
- Working position: vertical/horizontal
- Motor speed: 2850

MATERIALS:

- Suction/discharge port: AISI 304 stainless steel
- Housing: AISI 304 stainless steel
- Shaft: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Diffuser: AISI 304 stainless steel
- Mechanical seal: ceramic / SiC / NBR



6" SPINOX 17			Flow (Q)								
Model	Flow (l/min)	Motor power (kW)	m³/h	0	4	8	12	16	18	20	22
			l/min	0	66,7	133,3	200	266,7	300	333,3	366,7
6" SPINOX 17-2	415	1,1	Head H (m)	23	22	21	19	16	14	12	9
6" SPINOX 17-4	415	2,2		45	44	43	39	33	29	24	19
6" SPINOX 17-5	415	3		56	56	54	49	41	37	31	25
6" SPINOX 17-7	415	4		78	78	75	68	58	52	44	35
6" SPINOX 17-9	415	5,5		101	100	97	89	76	67	58	46
6" SPINOX 17-10	415	5,5		112	111	107	98	83	74	63	50
6" SPINOX 17-11	415	7,5		124	123	119	110	94	84	72	58
6" SPINOX 17-13	415	7,5		145	144	140	128	109	97	83	66
6" SPINOX 17-14	415	9,2		157	156	152	139	119	106	91	74
6" SPINOX 17-16	415	9,2		179	178	172	158	134	119	102	82
6" SPINOX 17-18	415	11		202	200	194	178	152	136	116	94
6" SPINOX 17-20	415	11		223	221	214	196	167	148	126	101
6" SPINOX 17-22	415	13		246	245	237	218	186	166	142	114

Model	Motor power (kW)	Motor diameter (inches)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics length*	Length* with water-filled motor	Length* with oil-filled motor	Pump diameter*	Weight Water-filled (kg)	Weight Oil-filled (kg)
6" SPINOX 17-2	1,1	4	230 / 400	2½	7,5 / 2,7	8,3 / 3,3	382	721	814	128	23	18,5
6" SPINOX 17-4	2,2		230 / 400		14,5 / 6,3	15,8 / 6	503	1041	975	128	34,5	28
6" SPINOX 17-5	3		400		8,1	8	563	1253	1123	128	43	28
6" SPINOX 17-7	4		400		10,4	10,4	684	1374	1318	128	45,5	35,5
6" SPINOX 17-9	5,5		400		13,4	13,9	805	1572	1549	128	52	44,5
6" SPINOX 17-10	5,5		400		13,4	13,9	866	1633	1610	128	54	46
6" SPINOX 17-11	7,5		400		18	18,7	926	1751	1755	128	57,5	52
6" SPINOX 17-13	7,5		400		18	18,7	1047	1872	1876	128	60,5	54,5
6" SPINOX 17-7	4	6	400		13,7	–	684	1419	–	145	60,5	–
6" SPINOX 17-9	5,5		400		13,7	–	821	1556	–	145	65	–
6" SPINOX 17-10	5,5		400		17,9	18,4	881	1661	1576	145	71	55,5
6" SPINOX 17-11	7,5		400		17,9	18,4	942	1722	1637	145	72	57
6" SPINOX 17-13	7,5		400		17,9	18,4	1063	1843	1758	145	75	59,5
6" SPINOX 17-14	9,2		400		21,5	22,4	1123	1933	1861	145	79,5	66
6" SPINOX 17-16	9,2		400		21,5	22,4	1244	2054	1982	145	82	68,5
6" SPINOX 17-18	11		400		25,6	26,1	1365	2205	2133	145	87	74
6" SPINOX 17-20	11		400		25,6	26,1	1486	2326	2254	145	89,5	76,5
6" SPINOX 17-22	13		400		30,9	30,9	1607	2497	2405	145	98,5	82

* Dimensions given in mm

6" SPINOX cont.

6" SPINOX 30			Flow (Q)										
Model	Flow (l/min)	Motor power (kW)	m ³ /h	0	4	8	12	16	20	24	28	32	39
			l/min	0	66,7	133,3	200	266,7	333,3	400	466,7	533,3	650
6" SPINOX 30-2	695	2,2	Head H (m)	23	23	23	21	20	19	17	16	13	8
6" SPINOX 30-3	695	3		35	35	33	32	30	28	26	24	20	12
6" SPINOX 30-4	695	4		46	46	45	43	40	38	35	32	27	16
6" SPINOX 30-5	695	5,5		58	58	56	54	51	48	45	41	35	22
6" SPINOX 30-6	695	5,5		69	69	67	64	60	57	53	48	41	25
6" SPINOX 30-7	695	7,5		80	81	79	75	71	67	63	57	49	31
6" SPINOX 30-8	695	7,5		91	92	89	85	80	76	71	64	55	34
6" SPINOX 30-9	695	9,2		103	104	101	96	91	86	80	73	63	39
6" SPINOX 30-10	695	9,2		114	115	111	106	100	95	88	80	69	43
6" SPINOX 30-11	695	9,2		125	125	122	116	110	103	96	87	75	46
6" SPINOX 30-13	695	11		148	148	144	137	130	122	114	103	89	55
6" SPINOX 30-14	695	13		160	161	156	149	141	133	125	113	98	61
6" SPINOX 30-15	695	13		171	171	167	159	150	142	132	120	104	64
6" SPINOX 30-16	695	15		183	184	179	171	162	153	143	130	112	70
6" SPINOX 30-17	695	15		194	195	189	180	171	161	151	137	118	74
6" SPINOX 30-19	695	18,5		218	219	213	203	193	182	171	156	135	85
6" SPINOX 30-21	695	18,5		240	241	234	223	212	200	187	170	147	92
6" SPINOX 30-25	695	22		285	286	278	265	251	237	221	201	174	108
6" SPINOX 30-30	695	26		342	343	333	318	301	284	266	242	209	130

Model	Motor power (kW)	Motor diameter (inches)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics length*	Length* with water-filled motor	Length* with oil-filled motor	Pump diameter*	Weight Water (kg)	Weight Oil-filled (kg)
6" SPINOX 30-2	2,2	4	230 / 400	3	14,5 / 6,3	15,8 / 6	458	997	1043 / 968	128	34	27 / 23,5
6" SPINOX 30-3	3		400		8,1	8	554	1133	1114	128	37,5	27,5
6" SPINOX 30-4	4		400		10,4	10,4	650	1342	1284	128	44,5	34,5
6" SPINOX 30-5	5,5		400		13,4	13,9	746	1515	1490	128	50,5	42,5
6" SPINOX 30-6	5,5		400		13,4	13,9	842	1611	1586	128	52,5	44,5
6" SPINOX 30-7	7,5		400		18	18,7	938	1766	1767	128	57,5	51,5
6" SPINOX 30-8	7,5		400		18	18,7	1034	1862	1863	128	59	53,5
6" SPINOX 30-5	5,5	6	400		13,7	–	761	1496	–	145	62,5	–
6" SPINOX 30-6	5,5		400		13,7	–	857	1592	–	145	64,5	–
6" SPINOX 30-7	7,5		400		17,9	18,4	953	1733	1648	145	71,5	56,5
6" SPINOX 30-8	7,5		400		17,9	18,4	1049	1829	1744	145	73,5	58
6" SPINOX 30-9	9,2		400		21,5	22,4	1145	1955	1883	145	78,5	65
6" SPINOX 30-10	9,2		400		21,5	22,4	1241	2051	1979	145	80,5	67
6" SPINOX 30-11	9,2		400		21,5	22,4	1337	2147	2075	145	82,5	69
6" SPINOX 30-13	11		400		25,6	26,1	1529	2369	2297	145	88,5	75,5
6" SPINOX 30-14	13		400		30,9	30,9	1625	2515	2423	145	96,5	80
6" SPINOX 30-15	13		400		30,9	30,9	1721	2611	2519	145	98,5	82
6" SPINOX 30-16	15		400		34,9	34,8	1817	2747	2665	145	104,5	89
6" SPINOX 30-17	15		400		34,9	34,8	1913	2843	2761	145	106,5	91
6" SPINOX 30-19	18,5	6	400		43,5	–	2105	3120	–	145	119	–
6" SPINOX 30-21	18,5		400		43,5	–	2297	3312	–	145	123	–
6" SPINOX 30-25	22		400		50,3	–	2681	3741	–	145	137,5	–
6" SPINOX 30-30	26		400		59,2	–	3161	4326	–	145	158	–

6" SPINOX 36			Flow (Q)									
Model	Flow (l/min)	Motor power (kW)	m ³ /h	0	18	30	33	36	39	42	51	
			l/min	0	300	500	550	600	650	700	850	
6" SPINOX 36-3	850	4	Head H (m)	42	36	30	28	26	24	20	8	
6" SPINOX 36-4	850	5,5		56	48	40	37	34	32	26	10	
6" SPINOX 36-6	850	7,5		84	72	60	56	51	48	39	16	
6" SPINOX 36-8	850	9,2		112	95	79	75	68	64	52	21	
6" SPINOX 36-10	850	11		140	119	99	93	85	80	66	26	
6" SPINOX 36-12	850	13		168	143	119	112	103	95	79	31	
6" SPINOX 36-13	850	15		182	155	129	121	111	103	85	34	
6" SPINOX 36-15	850	18,5		210	179	149	140	128	119	98	39	
6" SPINOX 36-17	850	18,5		238	203	169	159	145	135	111	44	

* Dimensions given in mm

6" SPINOX cont.

6" SPINOX 36 cont.

Model	Motor power (kW)	Motor diameter (inches)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics* length	Length* with water-filled motor	Length* with oil-filled motor	Pump diameter*	Weight Water (kg)	Weight Oil-filled (kg)
6"SPINOX 36-3	4	4	400	3	10,4	10,4	550	1242	1184	143	43	33
6"SPINOX 36-4	5,5		400		13,4	13,9	635	1404	1379	143	49	42
6"SPINOX 36-6	7,5		400		18	18,7	805	1633	1634	143	56	50
6"SPINOX 36-4	5,5		400		13,7	13,7	635	1370	1291	145	61	47
6"SPINOX 36-6	7,5		400		19,9	18,4	805	1585	1501	145	70	55
6"SPINOX 36-8	9,2	6	400		21,5	22,4	975	1785	1714	145	78	64
6"SPINOX 36-10	11		400		25,6	26,1	1148	1988	1917	145	84	71
6"SPINOX 36-12	13		400		30,9	30,9	1318	2208	2117	145	94	78
6"SPINOX 36-13	15		400		34,9	34,8	1403	2333	2252	145	100	85
6"SPINOX 36-15	18,5		400		43,5	38	1573	2588	2453	145	113	101
6"SPINOX 36-17	18,5		400		43,5	38	1743	2758	2623	145	117	105

6" SPINOX 46

			Flow (Q)										
Model	Flow (l/min)	Motor power (kW)	m ³ /h	0	15	20	30	35	40	45	50	55	59,8
			l/min	0	250	333,3	500	583	666,7	750	833	916,7	996,7
6" SPINOX 46-2BB	1035	2,2	Head H (m)	19	17	17	15	14	12	10	8	5	1
6" SPINOX 46-2	1035	3		27	24	23	21	20	18	16	14	11	9
6" SPINOX 46-3-C	1035	4		36	33	31	28	26	24	21	18	14	10
6" SPINOX 46-3	1035	5,5		41	38	36	32	30	28	26	23	20	15
6" SPINOX 46-4-C	1035	5,5		49	45	43	39	37	34	30	26	21	15
6" SPINOX 46-4	1035	7,5		54	50	48	44	41	38	35	31	26	20
6" SPINOX 46-5	1035	7,5		67	62	60	54	51	47	43	37	31	24
6" SPINOX 46-6	1035	9,2		81	75	72	65	61	57	51	45	38	30
6" SPINOX 46-8-C	1035	11		103	95	91	82	77	71	64	56	46	36
6" SPINOX 46-8	1035	13		108	100	96	88	83	77	70	62	52	41
6" SPINOX 46-9C	1035	13		117	108	104	94	88	82	74	65	54	42
6" SPINOX 46-10	1035	15		135	125	120	109	103	95	87	77	65	51
6" SPINOX 46-12	1035	18,5		162	150	145	132	124	115	105	93	79	63
6" SPINOX 46-14	1035	22		189	175	169	153	144	134	122	108	92	73
6" SPINOX 46-15	1035	22		202	187	180	163	154	143	130	115	97	77
6" SPINOX 46-17	1035	26		229	213	205	186	175	163	149	132	112	89
6" SPINOX 46-20	1035	30		270	251	241	219	206	192	175	155	132	105

Model	Motor power (kW)	Motor diameter (inches)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics* length	Length* with water-filled motor	Length* with oil-filled motor	Pump diameter*	Weight Water (kg)	Weight Oil-filled (kg)
6" SPINOX 46-2BB	2,2	4	230 / 400	4	14,5/6,3	15,8/6	489	1028	1074/999	138	34	27,5/23,5
6" SPINOX 46-2	3		400		8,1	8	489	1068	1049	138	36	26
6" SPINOX 46-3C	4		400		10,4	10,4	602	1294	1236	138	43	33
6" SPINOX 46-3	5,5		400		13,4	13,9	602	1371	1346	138	47	39,5
6" SPINOX 46-4C	5,5		400		13,4	13,9	715	1484	1459	138	49,5	41,5
6" SPINOX 46-4	7,5	6	400		18	18,7	715	1543	1544	138	52,5	46,5
6" SPINOX 46-4C	7,5		400		400	17,9	18,4	727	1507	1422	145	67,5
6" SPINOX 46-5	7,5		400		17,9	18,4	840	1620	1535	145	70	54,5
6" SPINOX 46-6	9,2		400		21,5	22,4	953	1763	1691	145	75,5	62
6" SPINOX 46-8C	11		400		25,6	26,1	1179	2019	1947	145	82	69
6" SPINOX 46-8	13		400		30,9	30,9	1179	2069	1977	145	88	71,5
6" SPINOX 46-9C	13		400		30,9	30,9	1292	2182	2090	145	90,5	74
6" SPINOX 46-10	15		400		34,9	34,8	1405	2335	2253	145	97	81
6" SPINOX 46-12	18,5		400		43,5	–	1631	2646	–	145	110	–
6" SPINOX 46-14	22		400		50,3	–	1857	2917	–	145	119,5	–
6" SPINOX 46-15	22		400		50,3	–	1970	3030	–	145	121,5	–
6" SPINOX 46-17	26		400		59,2	–	2196	3361	–	145	136,5	–
6" SPINOX 46-20	30		400		69,7	–	2535	3810	–	145	154,5	–

* Dimensions given in mm

6" SPINOX cont.

6" SPINOX 60			Flow (Q)								
Model	Flow (l/min)	Motor power (kW)	m ³ /h	0	10	30	40	50	60	70	78
			l/min	0	166,7	500	666,7	833,3	1000	1166,7	1300
6" SPINOX 60-2-B	1365	3	Head H (m)	22	22	18	15	13	10	6	1
6" SPINOX 60-2	1365	4		28	27	23	19	17	14	10	5
6" SPINOX 60-3	1365	5,5		42	41	35	30	26	22	16	10
6" SPINOX 60-4	1365	7,5		56	55	47	41	35	30	22	14
6" SPINOX 60-5	1365	9,2		71	69	59	51	44	38	28	18
6" SPINOX 60-6	1365	11		85	83	71	62	54	45	34	22
6" SPINOX 60-8-B	1365	13		108	105	90	79	68	57	42	26
6" SPINOX 60-9-B	1365	15		122	119	102	90	78	65	48	30
6" SPINOX 60-9	1365	18,5		129	127	109	95	83	71	54	37
6" SPINOX 60-10	1365	18,5		143	140	120	105	92	78	60	41
6" SPINOX 60-12	1365	22		171	167	144	126	110	94	72	50
6" SPINOX 60-15	1365	26		214	209	179	157	136	116	89	60
6" SPINOX 60-17	1365	30		243	237	203	179	155	132	101	69

Model	Motor power (kW)	Motor diameter (inches)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics length*	Length* with water-filled motor	Length* with oil-filled motor	Pump diameter*	Weight Water (kg)	Weight Oil-filled (kg)
6" SPINOX 60-2-B	3	4	400	4	8,1	8	489	1068	1049	138	36	26
6" SPINOX 60-2	4		400		10,4	10,4	489	1181	1123	138	41	31
6" SPINOX 60-3	5,5		400		13,4	13,9	603	1372	1347	138	47	39,5
6" SPINOX 60-4	7,5		400		18	18,7	715	1543	1544	138	52,5	46,5
6" SPINOX 60-4	7,5	6	400		17,9	18,4	727	1507	1422	145	67,5	52,5
6" SPINOX 60-5	9,2		400		21,5	22,4	840	1650	1578	145	73	59,5
6" SPINOX 60-6	11		400		25,6	26,1	953	1793	1721	145	77,5	65
6" SPINOX 60-8-B	13		400		30,9	30,9	1179	2069	1977	145	88	71,5
6" SPINOX 60-9-B	15		400		34,9	34,8	1292	2222	2140	145	94,5	79
6" SPINOX 60-9	18,5		400		43,5	–	1292	2307	–	145	103,5	–
6" SPINOX 60-10	18,5		400		43,5	–	1405	2420	–	145	105,5	–
6" SPINOX 60-12	22		400		50,3	–	1631	2691	–	145	115	–
6" SPINOX 60-15	26		400		59,2	–	1970	3135	–	145	132	–
6" SPINOX 60-17	30		400		69,7	–	2196	3471	–	145	148	–

* Dimensions given in mm

8" SPINOX

Multi-stage deep well pumps with a diameter of 175 mm. Entirely made of stainless steel, designed for installation in wells with a minimum internal diameter of 220 mm.

Pumps are used to supply water to single- and multi-family houses, farms, irrigation systems, sprinkler systems, to lower groundwater levels.

The pumps are also used in waterworks and fire protection systems.

FEATURES:

- Pumps made entirely of stainless steel
- Increased wear resistance
- Integrated check valve
- Available with water-filled motors – WMC, oil-filled motors – IOM by iQ PR and Italian oil-filled motors – IBO Italy
- Possibility to attach a cable of a certain length (multiples of 5 m)

TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Power supply: 400 V
- Insulation grade: F
- Operating mode: continuous
- Protection grade: IP68
- Power cord length: 1,5 m
- Working position: vertical/horizontal
- Motor speed: 2850 RPM

MATERIALS:

- Suction/discharge body: AISI 304 stainless steel
- Housing: AISI 304 stainless steel
- Shaft and rotor: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Diffuser: AISI 304 stainless steel
- Mechanical seal: ceramic / SiC / NBR



8" SPINOX 77			Flow (Q)											
Model	Flow (l/min)	Motor power (kW)	m³/h	0	10	20	30	40	50	60	70	80	90	100
			l/min	0	166,7	333,3	500	666	833,3	1000	1166,7	1333	1500	1666,7
8" SPINOX 77-2-B	1667	5,5	Head H (m)	33	32	31	29	27	25	22	20	16	12	7
8" SPINOX 77-2	1667	7,5		41	40	39	36	33	31	28	26	23	18	13
8" SPINOX 77-3	1667	11		61	60	58	55	50	46	42	39	34	28	20
8" SPINOX 77-4-B	1667	13		73	72	70	66	61	56	51	46	40	31	21
8" SPINOX 77-4	1667	15		81	80	78	73	68	62	57	52	46	38	27
8" SPINOX 77-5	1667	18,5		100	100	97	92	85	78	72	66	58	47	34
8" SPINOX 77-6	1667	22		120	120	116	110	102	94	86	78	69	56	41
8" SPINOX 77-8-B	1667	26		152	151	147	139	129	118	108	98	85	68	48
8" SPINOX 77-8	1667	30		160	160	156	147	137	126	116	105	93	76	55
8" SPINOX 77-9	1667	30		179	179	174	164	152	140	129	117	103	85	61
8" SPINOX 77-11	1667	37		218	218	212	201	186	172	158	144	127	104	74
8" SPINOX 77-12	1667	45		242	243	237	225	209	193	178	163	145	120	88
8" SPINOX 77-15	1667	55		303	303	296	281	262	242	223	204	181	150	110

Model	Motor power (kW)	Motor diameter (inches)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics length*	Length* with water-filled motor	Length* with oil-filled motor	Pump diameter*	Weight Water (kg)	Weight Oil-filled (kg)
8" SPINOX 77-2-B	5,5	6	400	5	13,7	–	748	1483	–	168	70,5	–
8" SPINOX 77-2	7,5		400		17,9	18,4	748	1528	1443	168	75,5	60,5
8" SPINOX 77-3	11		400		25,6	26,1	876	1716	1644	168	85	72
8" SPINOX 77-4-B	13		400		30,9	30,9	1004	1894	1802	168	94,5	78
8" SPINOX 77-4	15		400		34,9	34,8	1004	1934	1852	168	99	83
8" SPINOX 77-5	18,5		400		43,5	–	1132	2147	–	168	111	–
8" SPINOX 77-6	22		400		50,3	–	1260	2320	–	168	119,5	–
8" SPINOX 77-8-B	26		400		59,2	–	1516	2681	–	168	137,5	–
8" SPINOX 77-8	30		400		69,7	–	1516	2791	–	168	149	–
8" SPINOX 77-9	30		400		69,7	–	1644	2919	–	168	152,5	–
8" SPINOX 77-11	37		400		73,3	–	1914	2940	–	194	206,5	–
8" SPINOX 77-12	45	8	400		90,2	–	2042	3118	–	194	219	–
8" SPINOX 77-15	55		400		108,2	–	2426	3582	–	194	245	–

* Dimensions given in mm

8" SPINOX cont.

8" SPINOX 95			Flow (Q)										
Model	Flow (l/min)	Motor power (kW)	m ³ /h	0	10	20	40	60	70	80	90	100	120
			l/min	0	167	333	667	1000	1167	1333	1500	1667	2000
8" SPINOX 95-2-BB	2130	5,5	Head H (m)	27	27	26	23	21	19	17	14	10	0
8" SPINOX 95-2-A	2130	7,5		39	38	36	32	27	26	24	21	18	9
8" SPINOX 95-2	2130	9,3		44	43	41	36	31	29	27	25	22	13
8" SPINOX 95-3-BB	2130	9,3		49	47	46	40	35	32	29	25	20	8
8" SPINOX 95-3-B	2130	11		56	55	53	47	41	38	35	31	26	13
8" SPINOX 95-3	2130	13		65	64	62	55	47	44	42	38	33	20
8" SPINOX 95-4-B	2130	15		77	76	73	65	56	53	49	44	37	20
8" SPINOX 95-4	2130	18,5		86	84	82	73	63	59	55	51	44	26
8" SPINOX 95-5-AB	2130	18,5		94	92	89	79	69	65	60	54	45	24
8" SPINOX 95-5	2130	22		106	105	101	90	78	73	69	63	55	32
8" SPINOX 95-6	2130	26		129	127	123	110	96	90	84	77	68	41
8" SPINOX 95-7	2130	30		148	146	142	126	110	103	96	88	77	46
8" SPINOX 95-8	2130	37		170	167	163	145	127	119	112	102	90	54
8" SPINOX 95-10	2130	45		214	212	206	185	162	152	143	132	116	71
8" SPINOX 95-13	2130	55		278	275	267	240	210	198	185	170	150	92
8" SPINOX 95-14	2130	63		300	297	289	259	227	214	201	185	163	100
8" SPINOX 95-16	2130	75		342	338	329	296	259	244	229	211	186	114

Model	Motor power (kW)	Motor diameter (inches)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics length*	Length* with water- filled motor	Length* with oil-filled motor	Pump diameter*	Weight Water (kg)	Weight Oil-filled (kg)
8" SPINOX 95-2-BB	5,5	6	400	5	13,7	–	748	1483	–	168	70,5	–
8" SPINOX 95-2-A	7,5		400		17,9	18,4	748	1528	1443	168	75,5	60,5
8" SPINOX 95-2	9,3		400		21,5	22,4	748	1558	1486	168	79	65,5
8" SPINOX 95-3-BB	9,3		400		21,5	22,4	876	1686	1614	168	82,5	69
8" SPINOX 95-3-B	11		400		25,6	26,1	876	1716	1644	168	85	72
8" SPINOX 95-3	13		400		30,9	30,9	876	1766	1674	168	91	74,5
8" SPINOX 95-4-B	15		400		34,9	34,8	1004	1934	1852	168	99	83
8" SPINOX 95-4	18,5		400		43,5	–	1004	2019	–	168	107,5	–
8" SPINOX 95-5-AB	18,5		400		43,5	–	1132	2147	–	168	111	–
8" SPINOX 95-5	22		400		50,3	–	1132	2192	–	168	116	–
8" SPINOX 95-6	26		400		59,2	–	1260	2425	–	168	130,5	–
8" SPINOX 95-7	30		400		69,7	–	1388	2663	–	168	145,5	–
8" SPINOX 95-8	37		400		73,3	–	1530	2556	–	194	196	–
8" SPINOX 95-10	45	8	400		90,2	–	1786	2862	–	194	212	–
8" SPINOX 95-13	55		400		108,2	–	2170	3326	–	194	238	–
8" SPINOX 95-14	63		400		125,7	–	2298	3494	–	194	250,5	–
8" SPINOX 95-16	75		400		147,6	–	2554	3890	–	194	284,5	–

* Dimensions given in mm

10" SPINOX

Multi-stage deep well pumps with a diameter of 215 mm. Entirely made of stainless steel, designed for installation in wells with a minimum internal diameter of 280 mm. The pumps are used to supply water to multi-family houses, farms, irrigation systems, sprinkling machines, lowering groundwater levels. The pumps are also used in waterworks and fire protection systems.

FEATURES:

- Pumps made entirely of stainless steel
- Increased wear resistance
- Integrated check valve
- Available with water-filled motors – WMC by iQ PR and IBO ITALY
- Possibility to attach a cable of certain length (multiples of 5 m)

TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Power supply: 400 V
- Insulation grade: F
- Operating mode: continuous
- Protection grade: IP68
- Power cord length: 1,5 m
- Working position: vertical/horizontal
- Motor speed: 2850 RPM

MATERIALS:

- Suction/discharge body: AISI 304 stainless steel
- Housing: AISI 304 stainless steel
- Shaft and rotor: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Diffuser: AISI 304 stainless steel
- Mechanical seal: ceramic / SiC / NBR



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10" SPINOX 125				Flow (Q)								
Model	Flow (l/min)	Motor power (kW)		m³/h	0	60	80	100	120	140	160	162
				l/min	0	1000	1333	1667	2000	2333	2667	2700
10" SPINOX 125-1-A	2700	7,5	Head H (m)	21	19	17	16	14	10	6	5	
10" SPINOX 125-1	2700	11		30	27	24	22	20	17	13	12	
10" SPINOX 125-2-AA	2700	13		40	37	35	31	27	20	11	10	
10" SPINOX 125-2-A	2700	18,5		50	45	42	39	34	28	19	18	
10" SPINOX 125-2	2700	22		59	54	50	46	42	35	27	26	
10" SPINOX 125-3-AA	2700	22		69	63	59	54	47	36	22	21	
10" SPINOX 125-3-A	2700	26		78	72	67	61	54	45	31	30	
10" SPINOX 125-3	2700	30		88	80	74	69	62	53	40	39	
10" SPINOX 125-4-AA	2700	37		98	91	85	78	69	56	38	36	
10" SPINOX 125-4	2700	37		116	106	99	91	83	71	54	52	
10" SPINOX 125-5-A	2700	45	136	127	119	110	100	84	63	60		
10" SPINOX 125-6-A	2700	55	165	155	144	134	121	103	77	74		
10" SPINOX 125-7-A	2700	63	194	182	170	158	143	122	92	88		
10" SPINOX 125-8	2700	75	232	216	202	188	171	147	113	109		
10" SPINOX 125-10-A	2700	93	278	260	242	224	203	172	129	124		
Model	Motor power (kW)	Motor diameter (inches)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics* length	Length* with water-filled motor	Length* with oil-filled motor	Pump diameter*	Weight Water (kg)	Weight Oil-filled (kg)
10" SPINOX 125-1-A	7,5	6	400	6	17,9	18,4	641	1421	1336	203	78	63
10" SPINOX 125-1	11		400		25,6	26,1	641	1481	1409	203	84	71
10" SPINOX 125-2-AA	13		400		30,9	30,9	797	1687	1595	203	96	79,5
10" SPINOX 125-2-A	18,5		400		43,5	–	797	1812	–	203	109	–
10" SPINOX 125-2	22		400		50,3	–	797	1857	–	203	114	–
10" SPINOX 125-3-AA	22		400		50,3	–	953	2013	–	203	120	–
10" SPINOX 125-3-A	26		400		59,2	–	953	2118	–	203	130,5	–
10" SPINOX 125-3	30		400		69,7	–	953	2228	–	203	142	–
10" SPINOX 125-4-AA	37		400		73,3	–	1109	2135	–	205	191	–
10" SPINOX 125-4	37		400		73,3	–	1109	2135	–	205	191	–
10" SPINOX 125-5-A	45	8	400	8	90,2	–	1265	2341	–	205	206	–
10" SPINOX 125-6-A	55		400		108,2	–	1421	2577	–	205	227	–
10" SPINOX 125-7-A	63		400		125,7	–	1577	2773	–	205	242	–
10" SPINOX 125-8	75		400		147,6	–	1733	3069	–	205	275	–
10" SPINOX 125-10-A	93		400		181,6	–	2045	3581	–	205	324	–

* Dimensions given in mm

10" SPINOX cont.

10" SPINOX 160			Flow (Q)								
Model	Flow (l/min)	Motor power (kW)	m ³ /h	0	90	110	130	150	170	190	208
			l/min	0	1500	1833	2167	2500	2833	3167	3467
10" SPINOX 160-1-A	3420	9,2	Head H (m)	24	18	17	15	14	170	7	3
10" SPINOX 160-1	3420	13		34	26	24	22	21	2833	16	13
10" SPINOX 160-2-AA	3420	18,5		46	37	35	32	29	20	16	9
10" SPINOX 160-2-A	3420	22		55	45	41	38	35	28	24	17
10" SPINOX 160-2	3420	26		65	52	48	45	42	35	32	25
10" SPINOX 160-3-AA	3420	30		77	64	59	55	49	36	33	23
10" SPINOX 160-3-A	3420	37		87	72	66	62	57	45	41	31
10" SPINOX 160-3	3420	37		96	78	72	68	63	53	48	38
10" SPINOX 160-4-AA	3420	45		110	92	86	80	73	56	52	38
10" SPINOX 160-4-A	3420	45		119	99	92	86	80	71	59	45
10" SPINOX 160-4	3420	55		129	107	100	93	87	84	67	54
10" SPINOX 160-5-AA	3420	55		142	119	111	103	95	103	68	51
10" SPINOX 160-5-A	3420	55		151	126	117	109	101	122	75	58
10" SPINOX 160-5	3420	63		161	133	124	116	109	172	83	67
10" SPINOX 160-6-AA	3420	63		173	145	135	126	116	71	84	64
10" SPINOX 160-6-A	3420	75		183	153	142	133	123	84	92	72
10" SPINOX 160-6	3420	75		192	159	148	139	130	103	99	79
10" SPINOX 160-8-A	3420	92		243	202	188	176	163	122	121	94
10" SPINOX 160-9	3420	110		284	236	220	206	192	172	145	116
10" SPINOX 160-10	3420	132		316	262	244	229	213	172	161	129

Model	Motor power (kW)	Motor diameter (inches)	Voltage (V)	Discharge output (inches)	Current consumption Water-filled (A)	Current consumption Oil-filled (A)	Hydraulics length*	Length* with water- filled motor	Length* with oil- filled motor	Pump diameter*	Weight Water (kg)	Weight Oil-filled (kg)
10" SPINOX 160-1-A	9,2	6	400	6	21,5	22,4	641	1451	1379	203	81,5	68
10" SPINOX 160-1	13		400		30,9	30,9	641	1531	1439	203	90	73,5
10" SPINOX 160-2-AA	18,5		400		43,5	-	797	1812	-	203	109,5	-
10" SPINOX 160-2-A	22		400		50,3	-	797	1857	-	203	114,5	-
10" SPINOX 160-2	26		400		59,2	-	797	1962	-	203	125	-
10" SPINOX 160-3-AA	30		400		69,7	-	953	2228	-	203	142,5	-
10" SPINOX 160-3-A	37	8	400		73,3	-	953	1979	-	205	185,5	-
10" SPINOX 160-3	37		400		73,3	-	953	1979	-	205	185,5	-
10" SPINOX 160-4-AA	45		400		90,2	-	1109	2185	-	205	201	-
10" SPINOX 160-4-A	45		400		90,2	-	1109	2185	-	205	201	-
10" SPINOX 160-4	55		400		108,2	-	1109	2265	-	205	216	-
10" SPINOX 160-5-AA	55		400		108,2	-	1265	2421	-	205	222,5	-
10" SPINOX 160-5-A	55		400		108,2	-	1265	2421	-	205	222,5	-
10" SPINOX 160-5	63		400		125,7	-	1265	2461	-	205	231,5	-
10" SPINOX 160-6-AA	63	10	400		125,7	-	1421	2617	-	205	237,5	-
10" SPINOX 160-6-A	75		400		147,6	-	1421	2757	-	205	264,5	-
10" SPINOX 160-6	75		400		147,6	-	1421	2757	-	205	264,5	-
10" SPINOX 160-8-A	92		400		181,6	-	1733	3269	-	205	314	-
10" SPINOX 160-9	110		400		218	-	1889	3335	-	222	396	-
10" SPINOX 160-10	132		400		252,4	-	2045	3591	-	235	430,5	-

* Dimensions given in mm

12" SPINOX



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Multi-stage deep well pumps with a diameter of 235 mm. Entirely made of stainless steel, designed for installation in wells with a minimum internal diameter of 315 mm. The pumps are used to supply water to multi-family houses, farms, irrigation systems, sprinkling machines, lowering groundwater levels. The pumps are also used in waterworks and fire protection systems.

FEATURES:

- Pumps made entirely of stainless steel
- Increased wear resistance
- Integrated check valve
- Available with water-filled motors – WMC by iQ PR
- Possibility to attach a cable of a certain length (multiples of 5 m)

TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Power supply: 400 V
- Insulation grade: F
- Operating mode: continuous

- Protection grade: IP68
- Power cord length: 1,5 m
- Operating position: vertical
- Motor speed: 2850 RPM

MATERIALS:

- Suction/discharge body: AISI 304 stainless steel
- Housing: AISI 304 stainless steel
- Shaft and rotor: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Diffuser: AISI 304 stainless steel
- Mechanical seal: ceramic / SiC / NBR

12" SPINOX 215			Flow (Q)									
Model	Flow (l/min)	Motor power (kW)										
			m ³ /h	0	90	120	150	180	240	260	280	
			l/min	0	1500	1833	2500	3000	4000	4333	4667	
12" SPINOX 215-1-A	4580	15	Head H (m)	27	24	23	20	17	10	6	3	
12" SPINOX 215-1	4580	18,5		38	33	31	27	25	19	16	11	
12" SPINOX 215-2-AA	4580	30		55	50	48	43	39	25	18	11	
12" SPINOX 215-2-A	4580	37		66	59	57	51	47	35	28	18	
12" SPINOX 215-2	4580	45		79	70	66	59	55	44	37	19	
12" SPINOX 215-3-AA	4580	55		95	87	84	76	71	53	42	28	
12" SPINOX 215-3-A	4580	55		107	96	92	83	77	59	49	37	
12" SPINOX 215-3	4580	63		119	106	100	90	84	67	58	46	
12" SPINOX 215-4-AA	4580	75		135	123	117	107	99	75	62	45	
12" SPINOX 215-4-A	4580	75		146	132	125	113	105	82	69	53	
12" SPINOX 215-4	4580	75		158	140	133	119	111	88	76	62	
12" SPINOX 215-5-A	4580	92		184	165	157	141	131	102	86	67	
12" SPINOX 215-5	4580	92		195	173	164	148	137	108	93	76	
12" SPINOX 215-6-A	4580	110		223	200	190	172	159	124	105	83	
12" SPINOX 215-7-A	4580	132		265	239	227	205	191	151	129	104	

Model	Motor power (kW)	Motor diameter (inches)	Voltage (V)	Discharge output (inches)	Current consumption – Water-filled (A)	Current consumption – Oil-filled (A)	Hydraulics length*	Length* with water-filled motor	Length* with oil-filled motor	Pump diameter*	Weight Water (kg)	Weight Oil-filled (kg)
12" SPINOX 215-1-A	15	6	400	6	34,9	34,8	718	1648	1566	227	105	89,5
12" SPINOX 215-1	18,5		400		43,5	–	718	1733	–	227	114	–
12" SPINOX 215-2-AA	30		400		69,7	–	894	2169	–	227	151	–
12" SPINOX 215-2-A	37		400		73,3	–	967	1993	–	233	203	–
12" SPINOX 215-2	45	8	400		90,2	–	967	2043	–	233	212	–
12" SPINOX 215-3-AA	55		400		108,2	–	1143	2299	–	233	237,5	–
12" SPINOX 215-3-A	55		400		108,2	–	1143	2299	–	233	237,5	–
12" SPINOX 215-3	63		400		125,7	–	1143	2339	–	233	246,5	–
12" SPINOX 215-4-AA	75		400		147,6	–	1319	2655	–	233	283,5	–
12" SPINOX 215-4-A	75	10	400		147,6	–	1319	2655	–	233	283,5	–
12" SPINOX 215-4	75		400		147,6	–	1319	2655	–	233	283,5	–
12" SPINOX 215-5-A	92		400		181,6	–	1495	3031	–	233	330,5	–
12" SPINOX 215-5	92		400		181,6	–	1495	3031	–	233	330,5	–
12" SPINOX 215-6-A	110	10	400		218	–	1671	3117	–	235	416	–
12" SPINOX 215-7-A	132		400		252,4	–	1847	3393	–	235	454	–

* Dimensions given in mm

5" SUB-R INOX

pump with float

It is designed to irrigate crops and supply water to houses, plots of land and cottages from underground tank intakes, including ring wells. The integrated control float allows autonomous operation at times when water flows into the tank and cycles until each time the tank is emptied. The 5" SUB-R INOX pump has a float that controls the operation of the pump depending on the water level relative to the pump body.

As the water level in the tank rises, the float rises until the ball contacts inside the float and the pump is switched on. During pumping, the water level drops in the tank, and the float drops with it. When the float reaches a sufficiently low level, there will be a contact disconnection and the pump will be turned off. The pump should be placed vertically in the tank so that the float has enough space to rise and fall freely.

TECHNICAL SPECIFICATIONS:

- Speed: 2850 RPM
- Insulation grade: F
- Protection grade: IP68
- Power cord length: 15 m
- Max. immersion depth: 19 m

Model	Head (m)	Flow (l/min)	Power (W)	Power supply (V)	Current consumption (A)	Port (inches)	Dimensions diameter/height (cm)	Weight (kg)
5" SUB-R INOX	60	105	800	230	6,3	1¼	13 / 53	14,5



3" PRO

enhanced sand resistance

Multistage deep well pumps with a diameter of 74 mm, with improved sand resistance, are designed for installation in wells with a minimum internal diameter of 85 mm.

The pumps are used to supply water to single- and multi-family houses, farms, as well as to power irrigation systems (sprinklers, drip lines) and in drainage.

FEATURES:

- Enhanced sand resistance
- Premium materials
- Long trouble-free operation based on Italian manufacturing technology
- 20 m power cable terminated with a plug
- Thermal protection integrated into the motor winding
- Capacitor integrated into the motor (no need for an external starting box)

TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Max. ambient temperature: 35°C
- Power supply: 230 V
- Insulation grade: F
- Operating mode: continuous
- Protection grade: IP68
- Power cord length: 20 m
- Working position: vertical/horizontal
- Max. number of starts: 30/h
- Max. immersion depth: 100 m
- Motor speed: 2850 RPM

MATERIALS:

- Suction/discharge port: AISI 304 stainless steel
- Housing: AISI 304 stainless steel
- Shaft and rotor: AISI 304 stainless steel
- Impeller: PPO
- Diffuser: reinforced polycarbonate
- Mechanical seal: ceramic / SiC / NBR
- Bearings: NSK
- Motor: oil-filled

Model	Head (m)	Flow (l/min)	Power (W)	Power supply (V)	Current consumption (A)	Port (inches)	Dimensions diameter/height (mm)	Weight (kg)
3" PRO 1-20	79	46	550	230	4,2	1	74 / 1210	12,5
3" PRO 1-27	107	46	750	230	5,2	1	74 / 1470	14
3" PRO 1-37	146	46	1100	230	6,7	1	74 / 1810	18,5



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3,5" PRO

enhanced sand resistance

Multistage deep well pumps with a diameter of 90 mm, with improved sand resistance, are designed for installation in wells with a minimum internal diameter of 100 mm. The pumps are used to supply water to single- and multi-family houses, farms, as well as to power irrigation systems (sprinklers, drip lines) and in drainage.

FEATURES:

- Enhanced sand resistance
- Premium materials
- Long trouble-free operation based on Italian manufacturing technology
- 20 m power cable terminated with a plug
- Thermal protection integrated into the motor winding
- Capacitor integrated into the motor (no need for an external starting box)

TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Max. ambient temperature: 35°C
- Power supply: 230 V
- Insulation grade: F
- Operating mode: continuous
- Protection grade: IP68
- Power cord length: 20 m
- Working position: vertical/horizontal
- Max. number of starts: 30/h
- Max. immersion depth: 150 m
- Motor speed: 2850 RPM

MATERIALS:

- Suction/discharge port: AISI 304 stainless steel
- Housing: AISI 304 stainless steel
- Shaft and rotor: AISI 304 stainless steel
- Impeller: PPO
- Diffuser: reinforced polycarbonate
- Mechanical seal: ceramic / SiC / NBR
- Bearings: NSK
- Motor: oil-filled



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Model	Head (m)	Flow (l/min)	Power (W)	Power supply (V)	Current consumption (A)	Port (inches)	Dimensions diameter/height (mm)	Weight (kg)
3,5" PRO 2-13	73	70	800	230	5,5	1½	95 / 962	11,5
3,5" PRO 3-13	60	110	800	230	5,3	1½	90 / 1020	12
3,5" PRO 3-16	90	110	1100	230	7,3	1½	90 / 1260	14
3,5" PRO 3-19	105	110	1500	230	9,6	1½	90 / 1410	16,5
3,5" PRO 3-25	130	110	1800	230	11,5	1½	90 / 1670	23,5

4" PRO

enhanced sand resistance

Multi-stage deep well pumps with a diameter of 99 mm, with improved sand resistance, designed for installation in wells with a minimum diameter of 4". Pumps in 4", 6" sizes were equipped with radial impellers. On 4" models, the discharge outlets have 1¼" diameters.

The 4" PRO series pumps are available with PRO motors with a 3-year warranty in 400 V ~ 3/50 Hz and 230 V/50 Hz versions. The effect of increased sand resistance has been achieved through the use of "floating impellers" and the selection of wear-resistant materials: discharge and suction port, housing, shaft and filter mesh made of AISI 304 stainless steel and impellers made of high-quality reinforced plastic.

Pumps with 230 V ~ 50 Hz motors are equipped with a starting box with an integrated capacitor and overcurrent protection.

Pumps with motors from 0,75 kW to 2,2 kW are available with a 1,5 m cable.

On request, it is possible to extend the cable by any length.

They have sand-resistant designs. The maximum sand content in the water is up to 5%.

APPLICATION:

- Supplying single-family houses and farms with water from deep wells
- Irrigation of gardens and orchards
- Site drainage
- Waterworks systems
- Firefighting systems
- Industry

- Max. ambient temperature: 35°C
- Insulation grade: F
- Operating mode: continuous
- Safety: IP68
- Max. number of starts: 30/h
- Max. immersion depth: 150 m
- Max. voltage spikes: +/- 10%
- Shaft connection: NEMA standard

MATERIALS:

- Suction / discharge port: AISI 304 stainless steel

- Check valve: AISI 304 stainless steel
- Housing: AISI 304 stainless steel
- Shaft and rotor: AISI 420 stainless steel
- Diffuser: polymer PPO
- Impeller: polymer PPO
- Slip sleeve: AISI 304
- Clutch: AISI 304 stainless steel
- Mechanical seal: ceramic / SiC / NBR
- Motor: oil-filled
- Motor speed: 2850 RPM



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Model	Head (m)	Flow (l/min)	Power (kW / HP)	Power supply (V)	Current consumption (A)	Discharge port (inches)	Number of steps	Length (mm)	Weight (kg)
4" PRO 4-015S	94	110	1,1 / 1,5	230	8,3	1¼	14	880	15,5
4" PRO 4-015T	94	110	1,1 / 1,5	400	3,3	1¼	14	880	14,5
4" PRO 4-022S	127	110	1,5 / 2	230	11	1¼	19	1028	18
4" PRO 4-022T	127	110	1,5 / 2	400	4,3	1¼	19	1013	16,5

5" PRO

enhanced sand resistance

Multi-stage deep well pumps with a diameter of 133 mm, with improved sand resistance, designed for installation in wells with a minimum diameter of 6".

Pumps in 4", 5", 6", 8" sizes were equipped with radial impellers. In 5" models, the discharge outlets have a diameter of 3".

The 5" PRO series pumps are available with PRO motors with a 3-year warranty in 400 V ~ 3 / 50 Hz versions.

The effect of increased sand resistance has been achieved through the use of "floating impellers" and the selection of wear-resistant materials: discharge and suction port, housing, shaft and filter mesh made of stainless steel and impellers made of high-quality reinforced plastic.

On request, it is possible to extend the cable by any length.

They have sand-resistant designs. The maximum sand content in the water is up to 5%.

APPLICATION:

- Supplying single-family houses and farms with water from deep wells
- Irrigation of gardens and orchards
- Site drainage
- Waterworks systems
- Firefighting systems
- Industry

TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Max. ambient temperature: 35°C
- Insulation grade: F
- Operating mode: continuous
- Safety: IP68
- Max. number of starts: 30/h
- Max. immersion depth: 150 m

- Max. voltage spikes: +/- 10%
- Shaft connection: NEMA standard

Model	Head (m)	Flow (l/min)	Power (kW / HP)	Power supply (V)	Current consumption (A)	Discharge port (inches)	Number of steps	Length (mm)	Waga pompy (kg)
5" PRO 20-040	37	650	3 / 4	400	7,7	3	4	614	37,5
5" PRO 20-055	47	650	4 / 5,5	400	10,1	3	5	694,5	41
5" PRO 20-075	64	650	5,5 / 7,5	400	13,7	3	7	854,5	47,5
5" PRO 20-100	85	650	7,5 / 10	400	18,4	3	9	1015	53,5
5" PRO 20-125	103	650	9,2 / 12,5	400	22,4	3	11	1175	60
5" PRO 20-150	122	650	11 / 15	400	26,1	3	13	1335,5	68,5
5" PRO 20-175	150	650	13 / 17,5	400	30,9	3	16	1576	79
5" PRO 20-200	168	650	15 / 20	400	34,8	3	18	1736,5	80,5



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6" PRO

enhanced sand resistance

Multi-stage deep well pumps with a diameter of 99 mm, with improved sand resistance, designed for installation in wells with a minimum diameter of 4".

Pumps in 4", 6", 8" sizes were equipped with radial impellers. On 6" models, the discharge outlets have 3" diameters.

The 6" PRO series pumps are available with PRO motors with a 3-year warranty in 400 V ~ 3/50 Hz and 230 V/50 Hz versions. The effect of increased sand resistance has been achieved through the use of "floating impellers" and the selection of wear-resistant materials: discharge and suction port, housing, shaft and filter mesh made of AISI 304 stainless steel and impellers made of high-quality reinforced plastic. Pumps with 230 V/50 Hz motors are equipped with a starting box with an integrated capacitor and overcurrent protection.

Pumps with motors from 0,75 kW to 2,2 kW are available with a 1,5 m cable.

On request, it is possible to extend the cable by any length.

They have sand-resistant designs. The maximum sand content in the water is up to 5%.

APPLICATION:

- Supplying single-family houses and farms with water from deep wells
- Irrigation of gardens and orchards
- Site drainage
- Waterworks systems
- Firefighting systems
- Industry

- Insulation grade: F
- Operating mode: continuous
- Safety: IP68
- Max. number of starts: 30/h
- Max. immersion depth: 150 m
- Max. voltage spikes: +/- 10%
- Shaft connection: NEMA standard

- Housing: AISI 304 stainless steel
- Shaft and rotor: AISI 420 stainless steel
- Diffuser: polimer PPO
- Impeller: polimer PPO
- Slip sleeve: AISI 304
- Clutch: AISI 304 stainless steel
- Mechanical seal: ceramic / SiC / NBR
- Motor: oil-filled
- Motor speed: 2850 RPM

TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Max. ambient temperature: 35°C

MATERIALS:

- Suction/discharge port: AISI 304 stainless steel
- Check valve: AISI 304 stainless steel

Model	Number of steps	Head (m)	Flow (l/min)	Power (kW / HP)	Discharge port (inches)	Length (mm)	Weight (kg)
6" PRO 20-100	9	114	700	7,5 / 10	3	1371,5	49
6" PRO 20-125	11	139	700	9,2 / 12,5	3	1514,5	57,5
6" PRO 20-150	13	165	700	11 / 15	3	1644,5	62,5



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4" PRO oil-filled motors

Top-of-the-line oil-filled deep well motors with 4" diameters. High-quality original materials, demanding tests at every stage of production and Italian technology ensure high mechanical resistance and very good electrical properties of the product.

The electrical cable terminated with a removable seal ensures perfect tightness.

The motors have a diameter of 4" – 98 mm.

FEATURES:

- Stator: specifically designed for maximum electrical efficiency. Flooded with white, highly refined mineral oil approved for contact with potable water (F.F.A. approval)
- Shaft: inner part of the impeller made of carbon steel alloy to improve the electrical properties of the motor. This combination gives ideal corrosion resistance and high mechanical resistance necessary for high dynamic loads
- Replaceable cable seal: ensures perfect sealing in the harshest conditions and facilitates cable removal for maintenance purposes.

100% tested: all motors are tested at the end of the production process. The tests include electrical properties, mechanical properties and leakage tests.

TECHNICAL SPECIFICATIONS:

- RPM: 2850
- Protection grade: IP 68
- Winding insulation class: F
- Max. immersion depth: 150 m
- Max. number of starts: 30/h
- Permissible voltage fluctuations: +10 %/-10 %
- Max. water temperature: 35°C
- Cooling oil used: non-toxic oil
- Mounting: horizontal/vertical
- Possibility to work with an inverter
- Operating mode: continuous



Model	Power (kW)	Current consumption (A)	Power supply (V)	Shaft thrust (N)	cos φ	Height (mm)	Weight (kg)
4"IO-S 150 4"IO-T 150	1,1	8,3 / 3,3	230 / 400	4000	0,93 / 0,76	432,5	10,5 / 10
4"IO-S 200 4"IO-T 200	1,5	11 / 4,3	230 / 400	4000	0,93 / 0,77	472,5 / 457,5	12,5 / 11
4"IO-S 300 4"IO-T 300	2,2	15,8 / 6	230 / 400	5000	0,93 / 0,78	585 / 510	17,5 / 13,5
4"IO-T 400	3	- / 8	400	5000	0,79	560	16
4"IO-S 550	4	- / 10,4	400	6500	0,79	634	21
4"IO-S 750	5,5	- / 13,9	400	6500	0,8	744	27
4"IO-S 1000	7,5	- / 18,7	400	6500	0,8	829	32

6" PRO oil-filled motors

Motors designed for use in 6" or larger wells.

High-quality original materials, demanding tests at every stage of production and Italian technology ensure high mechanical resistance and very good electrical properties of the product. All parts in contact with water are made of AISI 304 stainless steel.

The electrical cable terminated with a removable seal ensures perfect tightness.

FEATURES:

- Stator: specifically designed for maximum electrical efficiency. Flooded with white, highly refined mineral oil approved for contact with potable water (F.F.A. approval)
- Replaceable cable seal: ensures perfect sealing in the harshest conditions and facilitates cable removal for maintenance purposes.
- Shaft: inner part of the impeller made of carbon steel alloy to improve the electrical properties of the motor. The outer part of the shaft together with the splines was made of stainless steel.

100% tested: all motors are tested at the end of the production process. Tests include electrical properties, mechanical properties and leakage tests.

TECHNICAL SPECIFICATIONS:

- RPM: 2850
- Protection grade: IP 68
- Winding insulation class: F
- Max. immersion depth: 150 m
- Max. number of starts: 30/h
- Permissible voltage fluctuations: +10 %/-10 %
- Max. water temperature: 35°C
- Cooling oil used: non-toxic oil
- Mounting: horizontal/vertical
- Possibility to work with an inverter
- Min. water flow: 0,16 m/s
- Operating mode: continuous



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Model	Power (kW)	Current consumption (A)	Power supply (V)	Shaft thrust (N)	RPM	cos φ	Height (mm)	Weight (kg)
6"IO-T 750	5,5	13,7	400	10 000	2850	0,81	655,5	32
6"IO-T 1000	7,5	18,4	400	10 000	2850	0,81	695,5	36
6"IO-T 1250	9,2	22,4	400	10 000	2880	0,81	738,5	41
6"IO-T 1500	11	26,1	400	10 000	2850	0,82	768,5	44
6"IO-T 1750	13	30,9	400	10 000	2860	0,82	798,5	46,5
6"IO-T 2000	15	34,8	400	10 500	2840	0,83	848,5	51,5

4" WMC PRO water-filled motors

High-quality 4" water-cooled deep well motors. Demanding tests at every stage of production, the expertise of engineers and high-quality materials ensure high quality, reliability and very good electrical properties of the product. The durable design allows it to work for a long time without any maintenance. The WMC motor series is designed to drive deep well pumps in accordance with EN60034-1 (IEC 60034-1) at the supply voltage and current frequency requirements indicated on the nameplate.

The motor is powered by a frequency converter.

All motors can be powered by a frequency converter (30-50/60 Hz). If the motor is connected to a frequency converter, make sure that the resulting frequency never exceeds the motor's nominal frequency.

Motor with additional equipment – SOFT START: the maximum acceleration time (intermediate start) should not be more than 3 seconds.

FEATURES:

- Version 1 ~ from 0,37 kW to 3,7 kW
- Version 3 ~ from 0,37 kW to 7,5 kW
- Made to NEMA standard
- Premium materials
- Sand protection system
- Long trouble-free operation
- Possibility of cooperation with an inverter
- Possibility to attach a cable of a certain length (multiples of 5 m)
- Replaceable power cord, waterproof with plug for easy repair or replacement
- Starting box (in 230 V version) with an integrated overcurrent protection and capacitor
- Thermal protection integrated into the motor winding (230 V version)

TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Power supply: 230 V or 400 V
- Insulation grade: F
- Operating mode: continuous
- Protection grade: IP68
- Power cord length: 1,5 m
- Working position: vertical/horizontal
- Max. number of starts: 30/h
- Max. immersion depth: 150 m
- Min. water flow around the motor: 0,15 m/s
- Motor speed: 2850 RPM
- Max. voltage fluctuation of supply current: -10%/+6% of nominal value
- Shaft elevation and flange dimensions conform to NEMA MG1: 2006 REV 1-2007

MATERIALS:

- Coolant: water
- Motor housing: AISI 304 stainless steel
- Shaft: AISI 304 stainless steel
- Mechanical seal: silicon carbide/carbon
- Outer part of the shaft: DUPLEX
- Gaskets: NBR
- Diaphragm: EPDM



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Model	Power (kW / HP)	Current consumption (A)	Shaft thrust (N)	Efficiency $\eta\%$	RPM	$\cos \phi$	Height (mm)	Weight (kg)
4" WMC / 230 V	0,75 / 1	4,9	1500	69	2850	0,96	292	12
	1,1 / 1,5	7,5	1500	70	2880	0,92	340	15
	1,5 / 2	10,3	3000	72	2850	0,90	405	17
	2,2 / 3	14,5	3000	67	2860	0,98	539	24
4" WMC / 400 V	0,75 / 1	2,3	1500	68	2850	0,72	292	17
	1,1 / 1,5	2,7	1500	76	2880	0,83	340	24
	1,5 / 2	4,1	1500	74	2850	0,74	405	26
	2,2 / 3	6,3	6500	69	2860	0,76	539	24
	3 / 4	8,1	6500	73	2840	0,75	579	26
	4 / 5,5	10,4	6500	72	2860	0,76	692	31
	5,5 / 7,5	13,4	6500	79	2840	0,76	769	35
	7,5 / 10	18	6500	80	2860	0,77	828	38

6" WMC PRO water-filled motors

The WMC motor series is designed to drive deep well pumps in accordance with EN60034-1 (IEC 60034-1) at the supply voltage and current frequency requirements indicated on the nameplate. Shaft elevation and flange dimensions conform to NEMA MG1: 2006 REV 1-2007. High-quality 6" water-cooled deep well pump motors + antifreeze coolant with a diameter of 143 mm. Demanding tests at every stage of production, the expertise of engineers and high-quality materials ensure high quality, reliability and very good electrical properties of the product.

The durable design allows it to work for a long time without any maintenance.

All motors can be powered by a frequency converter (30-50/60 Hz). If the motor is connected to

a frequency converter, make sure that the resulting frequency never exceeds the motor's nominal frequency.

Motor with additional equipment – SOFT START: the maximum acceleration time (intermediate start)

should not be more than 1,5 seconds.

FEATURES:

- Premium materials
- Long trouble-free operation
- Possibility to work with an inverter
- Possibility to attach a cable of a certain length (multiples of 5 m)
- Made to NEMA standard



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TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Storage temperature: -15–60°C
- Power supply: 400 V
- Insulation grade: F
- Operating mode: continuous
- Protection grade: IP68
- Power cord length: 3,5 m

- Working position: vertical/horizontal
- Max. number of starts: 20/h
- Max. immersion depth: 150 m
- Shaft load: 22000N for 5,5–7,5 kW motors, 25000 N for 9,2–18,5 kW motors
- Min. water flow around the motor: 0,5 m/s
- Max. voltage fluctuation of supply current: -10%/+6% of nominal value

MATERIALS:

- Coolant: water + antifreeze coolant
- Stator housing: AISI 304 stainless steel
- Shaft: AISI 431 stainless steel
- Mechanical seal: silicon carbide/silicon carbide
- Bearing: carbon, resistant to high axial loads

Model	Power (kW / HP)	Current consumption (A)	Shaft thrust (N)	Efficiency $\eta\%$	RPM	Ia/In (DOL / Y/D)	cos φ	Diameter (mm)	Height (mm)	Weight (kg)
6" WMC 65	4 / 5,5	10,3	22	74,8	2895	3,5 / 1,15	0,75	143	690	42
6" WMC 67	5,5 / 7,5	13,7	22	77,2	2890	4 / 1,35	0,75	143	735	46
6" WMC 610	7,5 / 10	17,9	22	78,4	2890	5,1 / 1,7	0,77	143	780	51
6" WMC 612	9,2 / 12,5	21,5	25	80,2	2890	4,9 / 1,65	0,77	143	810	54,5
6" WMC 615	11 / 15	25,6	25	80,7	2890	5,4 / 1,8	0,77	143	840	57
6" WMC 617	13 / 17,5	30,9	25	79,3	2885	4,6 / 1,55	0,765	143	890	63
6" WMC 620	15 / 20	34,9	25	80,1	2890	5 / 1,65	0,775	143	930	67
6" WMC 625	18,5 / 25	43,5	25	81,9	2885	4,7 / 1,55	0,75	143	1015	76
6" WMC 630	22 / 30	50,3	25	81,9	2880	5 / 1,65	0,77	143	1060	81
6" WMC 635	26 / 35	59,2	28	83,4	2880	4,8 / 1,6	0,76	143	1165	91,5
6" WMC 640	30 / 40	69,7	28	83,3	2885	5,7 / 1,9	0,745	143	1275	103
6" WMC 650	37 / 50	85,2	28	82,4	2875	6 / 2	0,76	143	1365	113

8" WMC PRO water-filled motors

High-quality 8" water-cooled and antifreeze-cooled deep well pump motors with a diameter of 191 mm. Demanding tests at every stage of production, the expertise of engineers and high-quality materials ensure high quality, reliability and very good electrical properties of the product.

The durable design allows it to work for a long time without any maintenance.

The motor is powered by a frequency converter.

All motors can be powered by a frequency converter (30-50/60 Hz). If the motor is connected to a frequency converter, make sure that the resulting frequency never exceeds the motor's nominal frequency. Motor with additional equipment – SOFT START: the maximum acceleration time (intermediate start) should not be more than 1,5 seconds.

FEATURES:

- Made to NEMA standard
- Premium materials
- Long trouble-free operation
- Possibility to work with an inverter
- Possibility to attach a cable of a certain length (multiples of 5 m)

- Power cord length: 4 m
- Working position: vertical/horizontal
- Max. number of starts: 15/h
- Max. immersion depth: 150 m
- Shaft load: 40000 N
- Min. water flow around the motor: 0,5 m/s
- Max. voltage fluctuation of current supply: -10%/+6% of nominal value

TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Storage temperature: -15–60°C
- Power supply: 400 V
- Insulation grade: F
- Operating mode: continuous
- Protection grade: IP68

MATERIALS:

- Coolant: water
- Motor housing: AISI 304 stainless steel
- Shaft: AISI 431 stainless steel
- Mechanical seal: silicon carbide/silicon carbide
- Bearing: carbon, resistant to high semi-axial loads



Model	Power (kW / HP)	Current consumption (A)	Shaft thrust (N)	Efficiency $\eta\%$	RPM	Number of starts (/h)	Ia/In (DOL / Y/D)	cos φ	Diameter (mm)	Height (mm)	Weight (kg)
8" WMC 830	22 / 30	46,6	22	82	2885	15	4,80 / 1,58	0,83	191	896	117
8" WMC 840	30 / 40	62,1	22	84	2885	15	4,80 / 1,58	0,83	191	956	133
8" WMC 850	37 / 50	73,3	22	85,2	2880	15	4,90 / 1,62	0,855	191	1026	146
8" WMC 860	45 / 60	90,2	25	85,5	2875	15	4,60 / 1,52	0,84	191	1076	155
8" WMC 875	55 / 75	108,2	25	85,3	2865	15	4,90 / 1,62	0,86	191	1156	170
8" WMC 880	59 / 80	117,4	25	85,6	2886	15	4,70 / 1,55	0,845	191	1166	175
8" WMC 885	63 / 85	125,7	25	84,4	2850	15	4,70 / 1,55	0,855	191	1196	179
8" WMC 890	66 / 90	133,5	25	85	2880	15	4,70 / 1,55	0,84	191	1266	194
8" WMC 895	70 / 95	137,1	25	86,2	2870	15	5,20 / 1,72	0,855	191	1296	196
8" WMC 8100	75 / 100	147,6	28	86,7	2875	15	5,20 / 1,72	0,845	191	1336	206
8" WMC 8110	81 / 110	160	28	87	2880	10	5,22 / 1,73	0,84	191	1426	223
8" WMC 8125	92 / 125	181,6	28	87	2880	10	5,22 / 1,73	0,84	191	1536	243

10" WMC PRO water-filled motors

High-quality 10" water-cooled and antifreeze-cooled deep well pump motors with a diameter of 236 mm. Demanding tests at every stage of production, the expertise of engineers and high-quality materials ensure high quality, reliability and very good electrical properties of the product. The durable design allows it to work for a long time without any maintenance. The motor is powered by a frequency converter. All motors can be powered by a frequency converter (30–50/60 Hz).

If the motor is connected to a frequency converter, make sure that the resulting frequency never exceeds the motor's nominal frequency.

Motor with additional equipment – SOFT START: the maximum acceleration time (intermediate start) should not be more than 1,5 seconds.

FEATURES:

- Made to NEMA standard
- Premium materials
- Long trouble-free operation
- Possibility of cooperation with an inverter
- Possibility to attach a cable of a certain length (multiples of 5 m)

- Power cord length: 4 m
- Working position: vertical/horizontal
- Max. number of starts: 10/h
- Max. immersion depth: 150 m
- Shaft load: 65000 N
- Min. water flow around the motor: 0,5 m/s
- Max. voltage fluctuation of supply current: -10%/+6% of nominal value

TECHNICAL SPECIFICATIONS:

- Max. liquid temperature: 35°C
- Storage temperature: -15–60°C
- Power supply: 400 V
- Insulation grade: F
- Operating mode: continuous
- Protection grade: IP68

MATERIALS:

- Coolant: water
- Motor housing: AISI 304 stainless steel
- Shaft: stainless steel AISI 431
- Mechanical seal: silicon carbide/silicon carbide
- Bearing: carbon, resistant to high semi-axial loads



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Model	Power (kW / HP)	Current consumption (A)	Voltage (V)	Shaft thrust (N)	Efficiency η %	RPM	Ia/In (DOL / Y/D)	cos φ	Diameter (mm)	Height (mm)	Weight (kg)
10" WMC 10100	75 / 100	157,3	380	65	74,8	2894	4,60 / 1,51	0,75	236	1226	242
		150	400			2905	4,80 / 1,58				
10" WMC 10110	81 / 110	170,4	380	65	77,2	2897	4,60 / 1,52	0,75	236	1266	263
		163	400			2910	4,80 / 1,58				
10" WMC 10125	92 / 125	193,3	380	65	78,4	2882	4,80 / 1,57	0,77	236	1316	277
		184,3	400			2900	5 / 1,65				
10" WMC 10150	110 / 150	226,1	380	65	80,2	2897	6,10 / 2,01	0,77	236	1446	317
		218	400			2910	6,33 / 2,09				
10" WMC 10175	129 / 175	261,6	380	65	80,7	2914	5,70 / 1,89	0,77	236	1546	345
		252,4	400			2925	5,95 / 1,96				
10" WMC 10200	147 / 200	301	380	65	80,1	2911	5,80 / 1,91	0,775	236	1736	368
		291	400			2920	5,98 / 1,97				
10" WMC 10225	165 / 225	330,2	380	65	81,9	2916	6,03 / 1,99	0,75	236	1856	412
		321	400			2925	6,20 / 2,05				
10" WMC 101250	185 / 250	368,5	380	65	81,9	2914	6,50 / 2,14	0,77	236	1956	442
		357	400			2925	6,70 / 2,21				

4" SD



**Increased resistance to sand
Floating impellers**



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Multi-stage deep well pumps with a diameter of 98 mm, with increased resistance to sand. They are designed for installation in wells with a minimum internal diameter of 115 mm. The pumps are used to supply water to single- and multi-family houses and farms, as well as to power irrigation systems (sprinklers, drip lines). Pumps are also used in industry and drainage.

Characteristics:

- Increased resistance to sand
- Top quality materials
- 230 V (SDM) or 400 V (SD) version
- Available with IBO and IBO Italy motors
- Power cable for IBO motors up to 5,5 kW: 20 m ended with a plug or 1,5 m, for 7,5 kW and larger motors – 1,5 m
- Starter box (230 V version) with built-in overcurrent protection and capacitor
- Thermal protection built into the motor winding
- Warranty and post-warranty service
- 24-month warranty

- Insulation class: F
- Operating mode: continuous
- Ingress protection: IP68
- Power cable length: 20 m or 1,5 m
- Working position: vertical
- Max. number of starts per 1 hour: 20
- Max. immersion depth: 100 m
- Motor speed: 2850 RPM

Materials:

- Suction/delivery body: brass
- Housing: AISI 304 stainless steel
- Shaft and rotor: AISI 304 stainless steel
- Impeller: PPO polymer
- Diffuser: PPO polymer
- Mechanical seal: SiC / SiC / NBR
- Motor: oil-cooled

Technical data:

- Max. liquid temperature: 35°C
- Power supply: 230 V or 400 V

Model	Head (m)	Flow (l/min)	Motor power (kW)	Power supply (V)	Current consumption (A)	Connection (inch)	Dimensions diameter/length* (mm)	Weight (kg)
4" SDM 4" SD 2/12	85	80	0,75	230	6,3	1¼	98 / 930	16
4" SDM 4" SD 3/14	103	94	1,1	230 / 400	8,5 / 4,0	1½	98 / 1050	17
4" SDM 4" SD 3/18	135	94	1,5	230 / 400	10,5 / 5,0	1½	98 / 1260	19
4" SDM 4" SD 4/14	102	100	1,1	230 / 400	8,5 / 4,0	1½	98 / 1010	14,5
4" SDM 4" SD 4/18	131	100	1,5	230 / 400	10,5 / 5,0	1½	98 / 1210	17,5
4" SDM 4" SD 6/10	74	162	1,5	230 / 400	10,5 / 5,0	2	98 / 1100	18
4" SDM 4" SD 6/14	103	162	2,2	230 / 400	15,5 / 6,3	2	98 / 1340	21
4" SD 6/20	148	162	3	400	7,2	2	98 / 1580	23
4" SDM 4" SD 7/12	76	200	1,5	230 / 400	10,5 / 5,1	2	98 / 1150	16,5
4" SDM 4" SD 7/17	107	200	2,2	230 / 400	15,5 / 6,3	2	98 / 1435	21,5
4" SD 7/23	145	200	3	400	7,20	2	98 / 1740	27,5
4" SD 8/15	100	250	3	400	7,2	2	98 / 1640	23
4" SD 8/20	135	250	4	400	9,2	2	98 / 1970	30
4" SD 8/25	169	250	5,5	400	12,9	2	98 / 2430	35
4" SD 9-12/16	98	300	3	400	7,20	2	98 / 1760	27
4" SD 9-12/20	135	300	4	400	9,20	2	98 / 2115	32
4" SD 9-12/26	159	300	5,5	400	12,90	2	98 / 2545	38,5
4" SD 10/13	72	360	3	400	7,2	2	98 / 1650	26
4" SD 10/17	94	360	4	400	9,2	2	98 / 2010	31
4" SD 10/22	121	360	5,5	400	12,9	2	98 / 2460	38
4" SD 14/16	95	400	4	400	9,20	2	98 / 2095	32
4" SD 14/20	118	400	5,5	400	12,90	2	98 / 2450	38
4" SD 14/25	149	400	7,5	400	18,50	2	98 / 2950	44,5
4" SD 16/14	75	408	4	400	9,2	2	98 / 1800	30
4" SD 16/18	99	408	5,5	400	12,9	2	98 / 2250	37
4" SD 16/28	153	408	7,5	400	18,5	2	98 / 3000	47
4" SD 20/15	90	500	4	400	9,2	2	98 / 2120	29
4" SD 20/20	125	500	5,5	400	12,9	2	98 / 2360	37
4" SD 20/25	150	500	7,5	400	18,5	2	98 / 2840	46

5" SD



**Increased resistance to sand
Floating impellers**

Multi-stage deep well pumps with a diameter of 127 mm, with increased resistance to sand. They are designed for installation in wells with a minimum internal diameter of 145 mm. The pumps are used to supply water to single- and multi-family houses and farms, as well as to power irrigation systems (sprinklers, drip lines). Pumps are also used in industry and drainage.

Characteristics:

- Increased resistance to sand
- Top quality materials
- Thermal protection built into the motor winding
- Warranty and post-warranty service
- 24-month warranty

- Working position: vertical
- Max. number of starts per 1 hour: 20
- Max. immersion depth: 100 m
- Motor speed: 2850 RPM

Materials:

- Suction/delivery body: grey cast iron
- Housing: AISI 304 stainless steel
- Shaft and rotor: AISI 304 stainless steel
- Impeller: PPO polymer
- Diffuser: PPO polymer
- Mechanical seal: SiC / SiC / NBR
- Motor: oil-cooled

Technical data:

- Max. liquid temperature: 35°C
- Power supply: 230 V or 400 V
- Insulation class: B
- Operating mode: continuous
- Ingress protection: IP68
- Power cable length: 2 m

Model	Head (m)	Flow (l/min)	Motor power (kW)	Power supply (V)	Power consumption (A)	Connection (inch)	Dimensions diameter/length* (mm)	Weight (kg)
5" SD 20/8	89	530	4	400	10,4	3	127 / 1440	34
5" SD 20/11	123	530	5,5	400	14	3	127 / 1640	42
5" SD 20/14	152	530	7,5	400	17,5	3	127 / 1880	50
5" SD 20/17	185	530	9,2	400	21,5	3	127 / 2040	58



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6" SD



**Increased resistance to sand
Floating impellers**

Multi-stage deep well pumps with a diameter of 146 mm, with increased resistance to sand. They are designed for installation in wells with a minimum internal diameter of 160 mm. The pumps are used to supply water to single- and multi-family houses and farms, as well as to power irrigation systems (sprinklers, drip lines). The pumps are also used in industry and drainage.

Characteristics:

- Increased resistance to sand
- Top quality materials
- Power cable 2 m
- Thermal protection built into the motor winding
- Warranty and post-warranty service
- 24-month warranty

- Power cable length: 2 m
- Working position: vertical
- Max. number of starts per 1 hour: 20
- Max. immersion depth: 100 m
- Motor speed: 2850 RPM

Materials:

- Suction/delivery body: grey cast iron
- Housing: AISI 304 stainless steel
- Shaft and rotor: AISI 304 stainless steel
- Impeller: PPO polymer
- Diffuser: PPO polymer
- Mechanical seal: SiC / SiC / NBR
- Motor: oil-cooled

Technical data:

- Max. liquid temperature: 35°C
- Power supply: 230 V or 400 V
- Insulation class: B
- Operating mode: continuous
- Ingress protection: IP68

Model	Head (m)	Flow (l/min)	Motor power (kW)	Power supply (V)	Current consumption (A)	Connection (inch)	Dimensions diameter/length* (mm)	Weight (kg)
6" SD 25/7	89	920	7,5	400	17,5	3	146 / 1440	52
6" SD 25/9	113	920	9,2	400	21,5	3	146 / 1650	59
6" SD 25/11	135	920	11	400	24,5	3	146 / 1880	67
6" SD 25/13	160	920	13	400	27,5	3	146 / 2090	73
6" SD 25/15	185	920	15	400	31,5	3	146 / 2300	82
6" SD 30/13	183	650	13	400	27,5	3	146 / 2150	73
6" SD 30/15	211	650	15	400	31,5	3	146 / 2400	83
6" SD 45/4	60	1050	5,5	400	19,3	3	146 / 1390	43
6" SD 45/9	112	1150	15	400	31,5	3	146 / 1818	81
6" SD 60/7	85	1300	15	400	31,5	3	146 / 1784	83



National Institute of Public Health
NIH – National Research Institute
Hygienic Certificate

* Depending on the batch, the dimensions may differ from those given in the table.

Spare parts

You will find a complete spare parts catalogue for all iQ PR products on the dambat.pl website under: download; spare parts. If you have problems finding the exact part you are looking for, please contact DAMBAT service.



The product parameters contained herein have been obtained under laboratory conditions; a difference of +/-10% is possible under operating conditions. The weight and dimensions of the products may vary depending on the manufacturing batch.

The manufacturer reserves the right to make changes to the equipment offered in the catalogue without prior notice.

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