



The electropumps 6SDX, 6SDXL series comply with the European Regulation no. 547/2012

Materials

Components	Materials
External jacket	Cr-Ni steel AISI 304
Suction lantern	Cr-Ni steel AISI 304
Upper cover	Cr-Ni steel AISI 304
Delivery casing	Cr-Ni steel AISI 304
Strainer, Valve set	Cr-Ni steel AISI 304
O-ring valve	NBR
Shaft	Cr-Ni steel AISI 431
Coupling set	Cr-Ni steel AISI 304
Diffuser	Cr-Ni steel AISI 304
Stage casing	Cr-Ni steel AISI 304
Impeller	Cr-Ni steel AISI 304
Wear ring	NBR
Bearing bush	NBR
Cable guard, Screws	Cr-Ni-Mo steel AISI 316

Construction

Submersible borehole pumps for 6" wells with external jacket and stages in stainless steel AISI 304.

Impellers: Mixed flow impellers

Connection: Screwed connection ISO 228

Delivery casing with built-in non-return valve.

Applications

For water supply.
For civil and industrial applications.
For fire fighting applications.
For irrigation.

Operating conditions

Liquid temperature up to 30 °C.
Max. sand quantity into the water: 50 g/m³.
Continuous duty.

Rewindable motor MS series

2-pole induction motor, 50 Hz (n ≈ 2900 rpm).
Sized for connection to the pumps according to NEMA Standards.

Standard voltages:

- single-phase 230 V up to 2,2 kW for 4" motors.
- three-phase 230 V; 400 V, for 4" motors.
- three-phase 400 V; 400/690 V, for 6" motors.

Voltage tolerance : +6% / -10%.

In order to limit both current and torque at each starting, for rated motor powers equal to or higher than 7.5 kW, one of the following types of starting is necessary: star/delta, soft starter, stator impedance or autotransformer.

Operating conditions motor

Motor	Max. Liquid temperature	Cooling: minimum flow velocity	Max. starts per hour	Motor P2
4MS	35 °C	0,08 m/s	20	all types
6MS	30 °C	0,1 m/s	15	4÷11 kW
		0,2 m/s	15	13÷15 kW
	25 °C	0,2 m/s	15	18,5 kW
		0,2 m/s	13	22÷30 kW
		0,1 m/s	13	37 kW
	40 °C	0,3 m/s	6	45 kW

Insulation class F for 4" motors, class E for 6" motors.

Motor suitable operation with frequency converter .

Protection IP 68.

Special features on request

- Other voltages.
- 60 Hz frequency.
- Other temperatures.

Designation

6 SDX 45 / 17

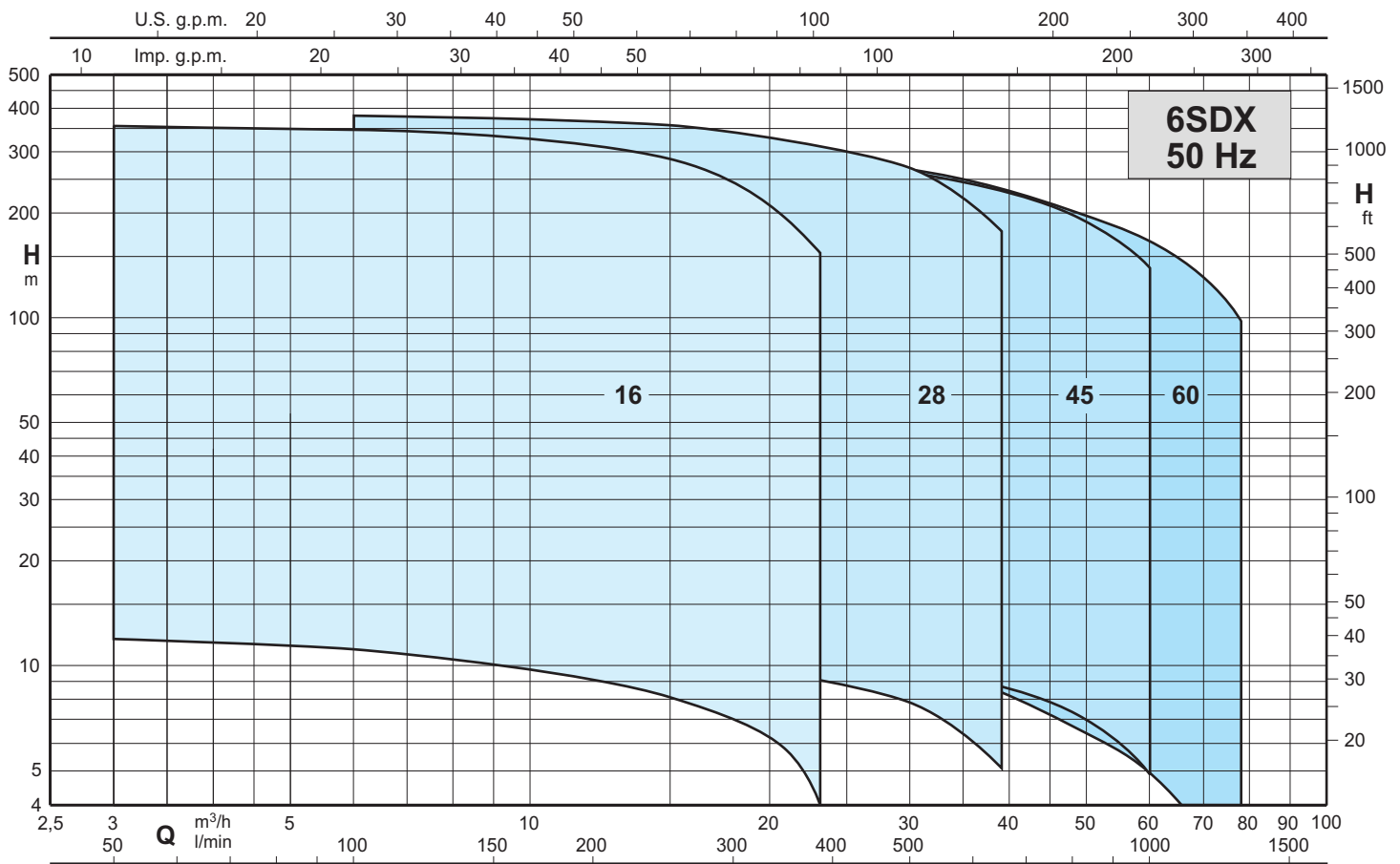
Ø of the well in inches _____

Series _____

Stage identification _____

Number of stages _____

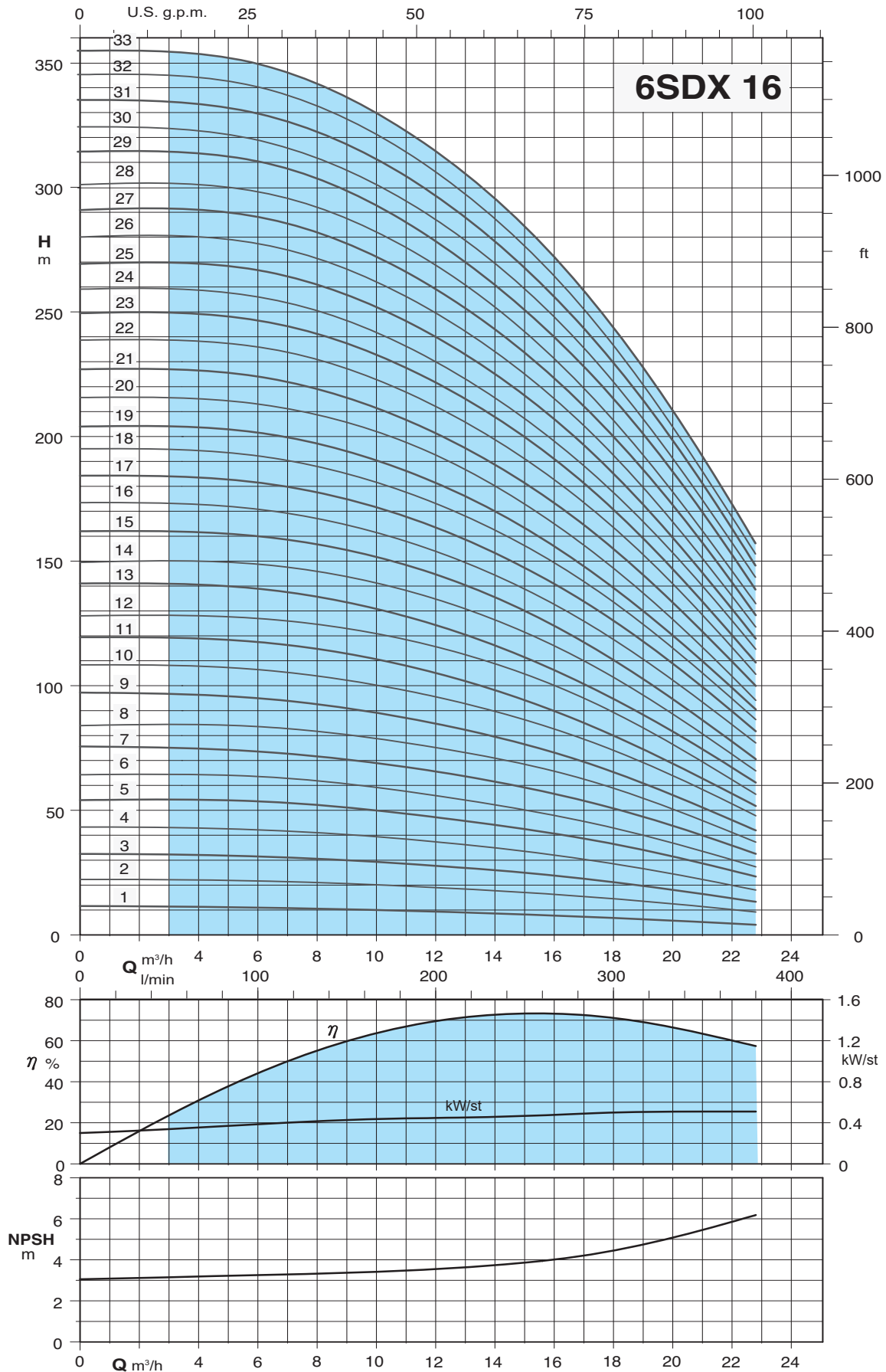
Coverage chart $n \approx 2900$ rpm



6SDX 16

Submersible borehole electropumps for 6" wells **subteck**

Characteristic curves



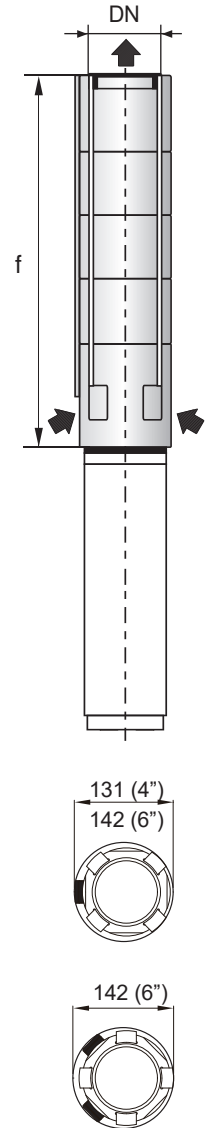
6SDX 16

Submersible borehole electropumps for 6" wells



Performance $n \approx 2900$ rpm, dimensions and weights

3 ~	P ₂		Q	n \approx 2900 1/min									DN	Motore	f	
				m ³ /h												
	kW	HP	l/min	0	3	6	9	12	15	18	21	23				
6SDX 16/1	0.55	0.75	H m	12	12	11	11	10	8	7	6	4	96 4"	343	5.0	
6SDX 16/2	1.1	1.5		22	22	22	20	19	18	14	12	9		403	6.4	
6SDX 16/3	2.2	3		32	32	32	30	28	25	21	17	13		464	7.9	
6SDX 16/4	2.2	3		43	43	42	40	38	33	29	23	18		524	9.3	
6SDX 16/5	3	4		53	53	52	51	48	43	37	29	22		585	10.8	
6SDX 16/6	3.7	5		64	64	63	60	56	50	43	34	27		645	12.2	
6SDX 16/7	4	5.5		75	75	74	70	66	59	51	40	32		706	13.7	
6SDX 16/8	5.5	7.5		85	85	84	80	75	68	59	46	37		766	15.1	
6SDX 16/9	5.5	7.5		97	97	95	91	85	77	65	51	42		827	16.6	
6SDX 16/10	5.5	7.5		108	108	107	102	95	86	74	58	48		887	18.0	
6SDX 16/11	7.5	10		119	119	118	113	105	94	80	63	52		948	19.5	
6SDX 16/12	7.5	10		128	128	127	123	116	105	89	69	57		1008	20.9	
6SDX 16/13	7.5	10		141	141	139	133	124	112	95	75	60		1069	22.4	
6SDX 16/14	9.3	12.5		150	150	149	144	135	122	103	81	66		1129	23.9	
6SDX 16/15	9.3	12.5		162	162	160	155	145	130	110	86	71		1190	25.3	
6SDX 16/16	9.3	12.5		173	173	171	165	154	139	119	93	77	1250	26.8		
6SDX 16/17	9.3	12.5		184	184	182	175	163	147	126	100	80	1311	28.2		
6SDX 16/18	9.3	12.5		195	195	192	185	173	156	134	105	86	1371	29.7		
6SDX 16/19	11	15		204	204	202	194	181	163	139	110	91	1432	31.1		
6SDX 16/20	11	15		216	216	213	206	192	173	147	116	95	1492	32.5		
6SDX 16/21	11	15		227	227	224	216	201	182	155	122	100	1553	34.0		
6SDX 16/22	13	17.5		239	239	237	228	212	190	163	129	105	1613	35.4		
6SDX 16/23	13	17.5		250	250	247	237	222	200	171	134	109	1674	36.9		
6SDX 16/24	13	17.5		260	260	257	247	230	208	178	140	115	1734	38.3		
6SDX 16/25	15	20		270	270	267	257	240	217	185	145	119	1795	39.8		
6SDX 16/26	15	20		281	281	278	267	250	225	192	151	124	1855	41.2		
6SDX 16/27	15	20		291	291	288	277	259	234	200	158	128	1916	42.7		
6SDX 16/28	18.5	25		302	302	298	288	269	242	207	162	133	1976	44.2		
6SDX 16/29	18.5	25		314	314	311	300	279	250	215	170	138	2037	45.6		
6SDX 16/30	18.5	25		324	324	319	307	288	260	222	175	144	2097	47.1		
6SDX 16/31	18.5	25		335	335	330	318	298	269	230	181	148	2158	48.5		
6SDX 16/32	18.5	25		345	345	341	328	307	277	237	187	153	2218	50.0		
6SDX 16/33	18.5	25		355	355	350	337	315	285	243	191	157	2279	51.4		

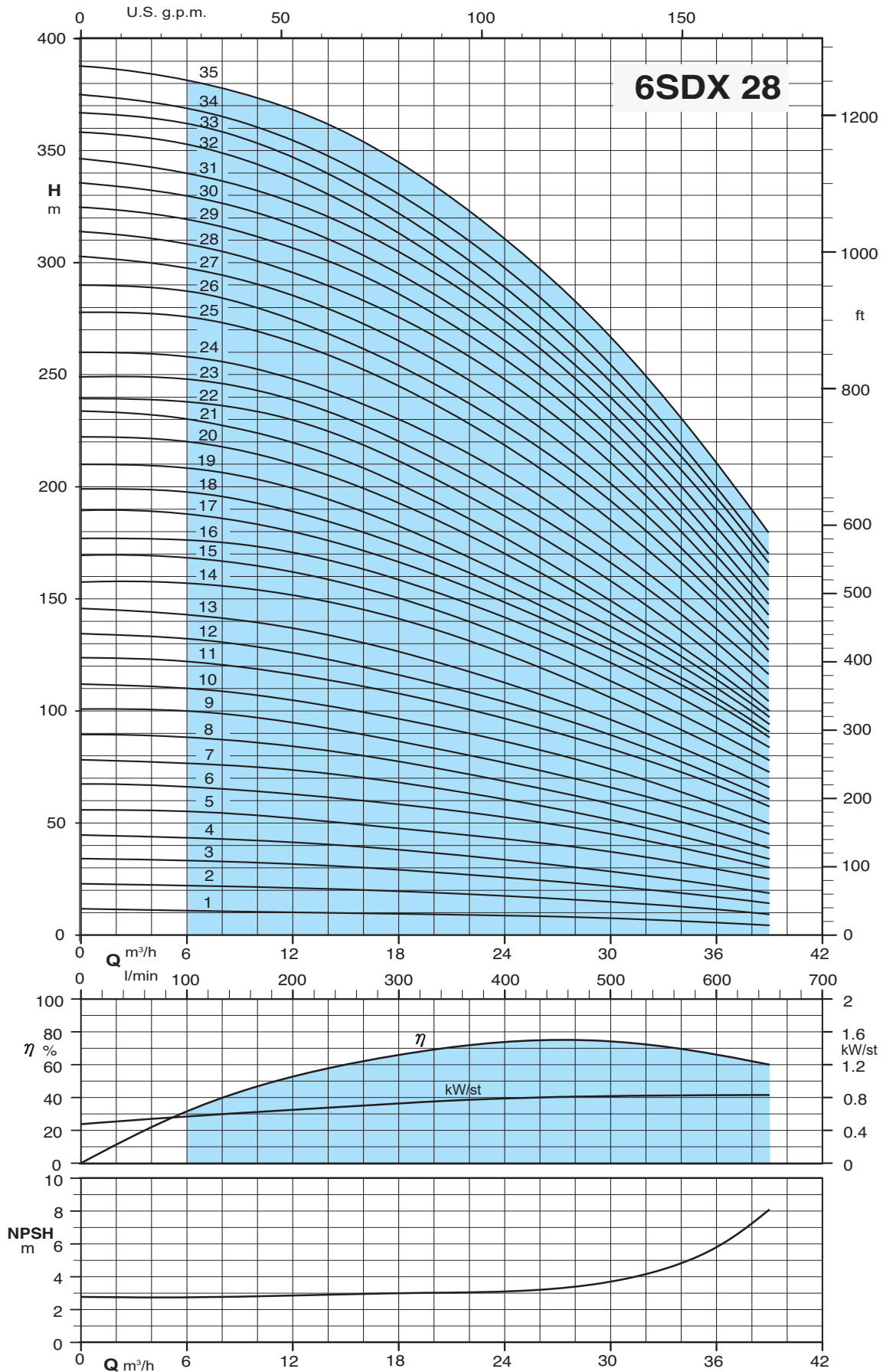


6SDX 28

Submersible borehole electropumps for 6" wells

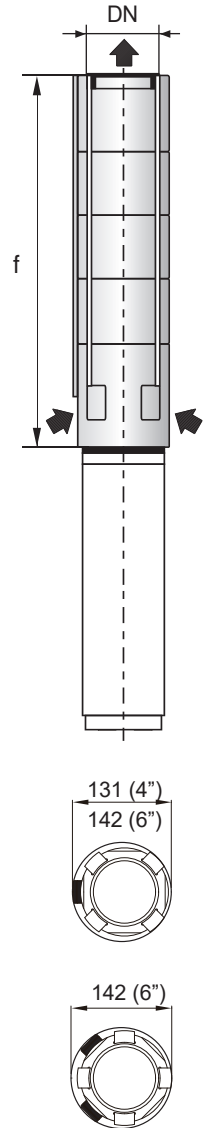


Characteristic curves



Performance $n \approx 2900$ rpm, dimensions and weights

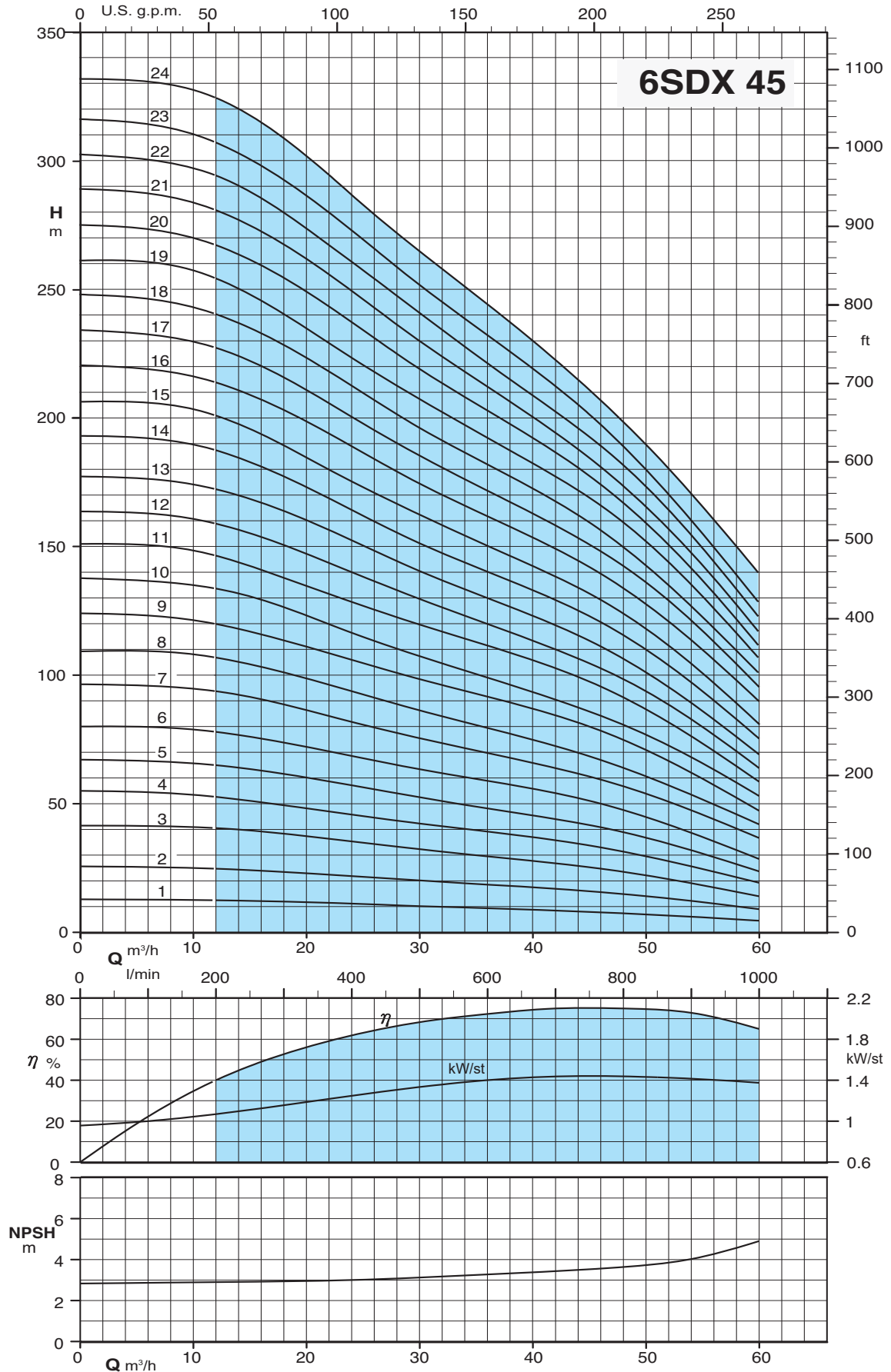
3 ~	P ₂		Q	n ≈ 2900 1/min														DN	Motore												
				H															Ø	f	kg										
	kW	HP	m³/h	0	6	9	12	15	18	21	24	27	30	33	36	39	l/min					0	100	150	200	250	300	350	400	450	500
6SDX 28/1	1,1	1,5	11	11	11	10	10	10	9	9	8	8	7	6	5	11	11	11	10	10	9	9	8	8	7	6	5	96	366	6.7	
6SDX 28/2	2,2	3	23	23	22	21	20	19	18	17	16	15	13	11	9	23	23	22	21	20	19	18	17	16	15	13	11	9	96	462	8.4
6SDX 28/3	3	4	33	33	32	31	30	29	28	26	24	22	20	17	14	33	33	32	31	30	29	28	26	24	22	20	17	14	96	558	10.1
6SDX 28/4	3,7	5,00	44	43	42	41	40	38	36	34	31	28	26	23	19	44	43	42	41	40	38	36	34	31	28	26	23	19	96	654	11.8
6SDX 28/5	5,5	7,50	56	55	54	52	50	48	45	43	40	37	34	29	25	56	55	54	52	50	48	45	43	40	37	34	29	25	96	750	13.5
6SDX 28/6	5,5	7,50	68	67	64	62	60	58	56	52	49	45	40	36	30	68	67	64	62	60	58	56	52	49	45	40	36	30	96	846	15.2
6SDX 28/7	7,5	10	79	77	76	74	71	68	65	61	56	52	46	40	34	79	77	76	74	71	68	65	61	56	52	46	40	34	96	942	16.9
6SDX 28/8	7,5	10	90	88	87	84	81	78	73	68	64	58	53	46	38	90	88	87	84	81	78	73	68	64	58	53	46	38	145	1038	18.6
6SDX 28/9	9,3	12,5	101	100	98	95	91	87	82	77	72	66	60	53	45	101	100	98	95	91	87	82	77	72	66	60	53	45	145	1134	20.3
6SDX 28/10	9,3	12,5	112	110	108	105	101	97	92	86	81	74	67	58	50	112	110	108	105	101	97	92	86	81	74	67	58	50	145	1230	22
6SDX 28/11	11	15	124	122	120	117	112	108	102	97	90	83	76	67	57	124	122	120	117	112	108	102	97	90	83	76	67	57	145	1326	23.6
6SDX 28/12	11	15	134	132	130	126	121	116	110	104	97	89	81	71	61	134	132	130	126	121	116	110	104	97	89	81	71	61	145	1422	25.3
6SDX 28/13	11	15	146	143	140	137	132	127	120	113	105	97	87	77	66	146	143	140	137	132	127	120	113	105	97	87	77	66	145	1518	27
6SDX 28/14	13	17,5	158	157	155	152	147	141	134	126	116	108	95	84	73	158	157	155	152	147	141	134	126	116	108	95	84	73	145	1614	29.7
6SDX 28/15	15	20	170	168	166	162	157	150	142	134	124	113	102	90	77	170	168	166	162	157	150	142	134	124	113	102	90	77	145	1710	30.4
6SDX 28/16	15	20	178	176	174	171	165	159	151	142	132	122	110	97	84	178	176	174	171	165	159	151	142	132	122	110	97	84	145	1806	32.1
6SDX 28/17	15	20	190	188	185	180	173	167	158	148	138	127	116	103	88	190	188	185	180	173	167	158	148	138	127	116	103	88	145	1902	33.8
6SDX 28/18	18,5	25	199	198	194	189	182	174	165	155	143	130	119	106	90	199	198	194	189	182	174	165	155	143	130	119	106	90	145	1998	35.5
6SDX 28/19	18,5	25	210	208	205	199	192	182	172	161	150	137	125	110	94	210	208	205	199	192	182	172	161	150	137	125	110	94	145	2094	37.2
6SDX 28/20	18,5	25	222	220	216	210	202	193	182	170	157	144	129	114	97	222	220	216	210	202	193	182	170	157	144	129	114	97	145	2190	38.9
6SDX 28/21	18,5	25	232	230	226	220	212	202	190	177	164	149	134	117	100	232	230	226	220	212	202	190	177	164	149	134	117	100	145	2286	40.6
6SDX 28/22	22	30	240	238	235	230	222	212	200	187	173	159	142	124	104	240	238	235	230	222	212	200	187	173	159	142	124	104	145	2382	42.3
6SDX 28/23	22	30	250	248	245	239	231	221	209	196	182	167	150	131	110	250	248	245	239	231	221	209	196	182	167	150	131	110	145	2478	44
6SDX 28/24	22	30	260	258	254	248	240	230	219	207	191	175	156	137	117	260	258	254	248	240	230	219	207	191	175	156	137	117	145	2574	45.6
6SDX 28/25	22	30	278	276	272	265	256	245	233	219	203	187	166	145	122	278	276	272	265	256	245	233	219	203	187	166	145	122	145	2670	47.3
6SDX 28/26	22	30	290	287	282	275	266	255	242	227	212	194	173	152	127	290	287	282	275	266	255	242	227	212	194	173	152	127	145	2766	49
6SDX 28/27	26	35	302	298	293	286	277	265	253	238	221	202	181	157	132	302	298	293	286	277	265	253	238	221	202	181	157	132	145	2862	50.7
6SDX 28/28	26	35	313	309	303	296	287	276	263	248	231	212	189	164	137	313	309	303	296	287	276	263	248	231	212	189	164	137	145	2958	52.4
6SDX 28/29	26	35	325	319	314	307	298	287	273	257	240	220	196	170	143	325	319	314	307	298	287	273	257	240	220	196	170	143	145	3054	54.1
6SDX 28/30	26	35	336	330	325	317	307	295	282	266	248	227	202	176	148	336	330	325	317	307	295	282	266	248	227	202	176	148	145	3150	55.8
6SDX 28/31	26	35	347	340	335	327	317	305	291	275	256	234	209	183	154	347	340	335	327	317	305	291	275	256	234	209	183	154	145	3246	57.5
6SDX 28/32	30	40	358	353	347	338	327	313	298	281	261	240	217	190	160	358	353	347	338	327	313	298	281	261	240	217	190	160	145	3342	59.2
6SDX 28/33	30	40	367	362	356	347	336	322	307	289	270	248	223	196	166	367	362	356	347	336	322	307	289	270	248	223	196	166	145	3438	60.9
6SDX 28/34	30	40	375	369	363	355	344	331	316	298	278	255	229	200	170	375	369	363	355	344	331	316	298	278	255	229	200	170	145	3534	62.6
6SDX 28/35	30	40	388	382	377	368	358	346	329	311	290	267	240	211	180	388	382	377	368	358	346	329	311	290	267	240	211	180	145	3630	64.3



6SDX 45

Submersible borehole electropumps for 6" wells **subteck**

Characteristic curves



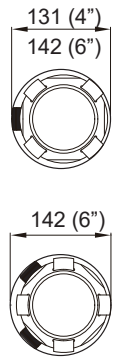
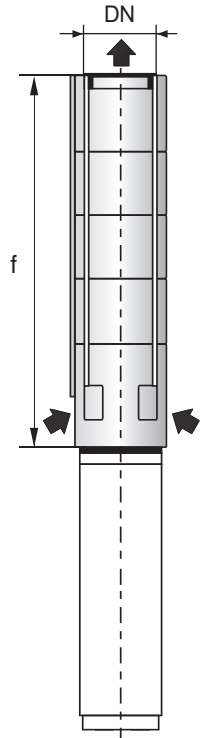
6SDX 45

Submersible borehole electropumps for 6" wells



Performance $n \approx 2900$ rpm, dimensions and weights

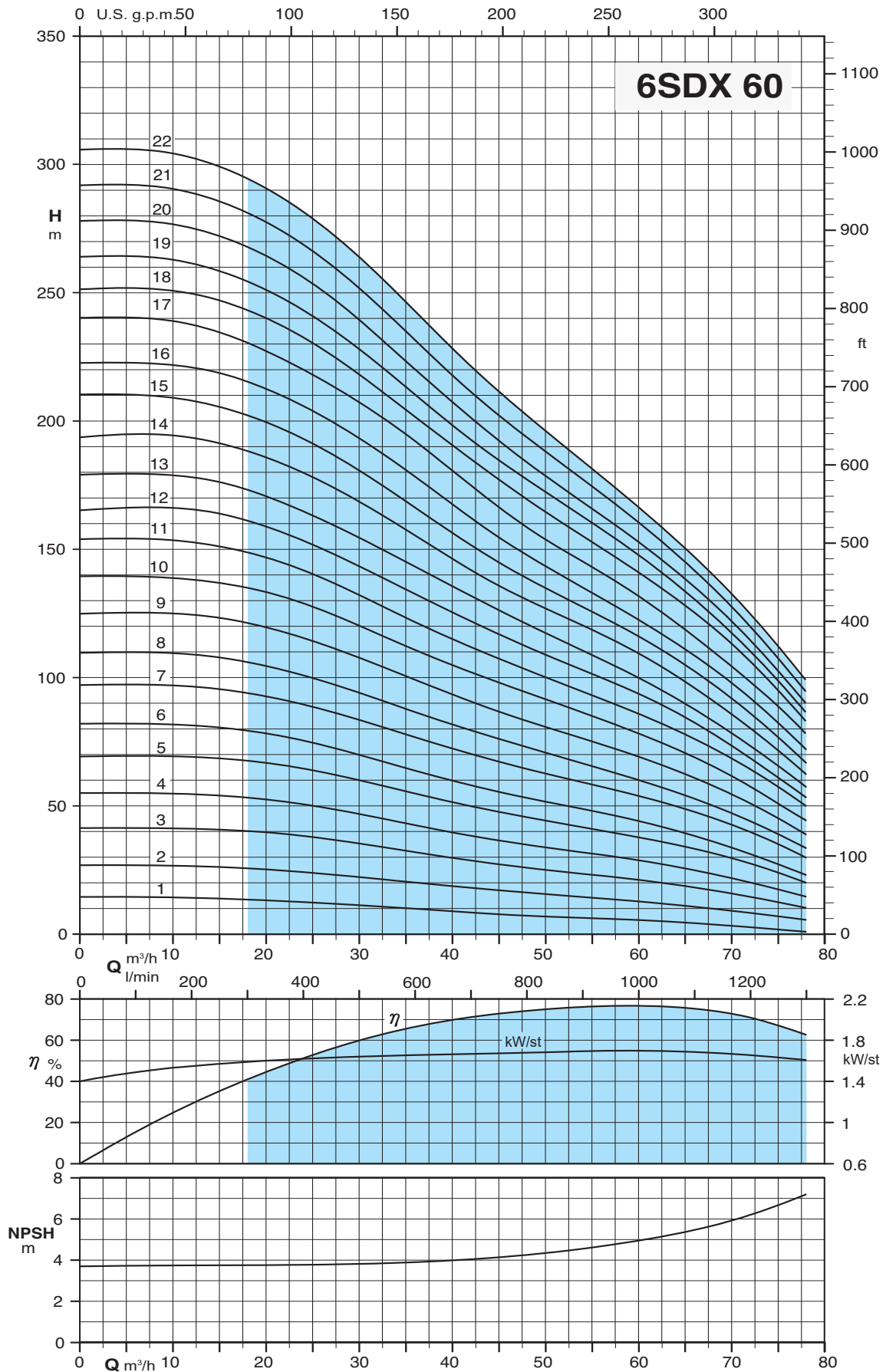
3 ~	P ₂		Q	n \approx 2900 1/min													DN	Motore	f	kg
				m ³ /h																
	kW	HP		l/min	0	12	15	18	21	24	27	30	36	42	48	54				
6SDX 45/1	2.2	3	13	13	13	12	12	11	11	10	9	9	8	6	5	96	383	6.9		
6SDX 45/2	3	4	25	24	24	23	23	22	21	20	18	17	15	12	9	96	496	9.2		
6SDX 45/3	5.5	7.5	41	40	39	38	37	35	34	33	29	27	23	18	14	96	609	11.5		
6SDX 45/4	7.5	10	54	53	51	49	48	46	44	42	39	36	31	26	19	145	722	13.8		
6SDX 45/5	7.5	10	67	65	63	61	59	57	55	53	48	44	39	32	24	145	835	16		
6SDX 45/6	9.3	12.5	80	78	76	74	71	69	66	63	59	54	48	39	29	145	948	18.3		
6SDX 45/7	11	15	97	94	92	88	85	82	79	76	70	64	57	47	37	145	1061	20.6		
6SDX 45/8	13	17.5	110	107	104	101	97	94	90	86	79	73	64	54	42	145	1174	22.9		
6SDX 45/9	15	20	124	120	117	114	110	106	102	98	92	85	75	62	47	145	1287	25.2		
6SDX 45/10	15	20	138	133	130	127	122	117	112	107	98	90	80	67	53	145	1400	27.4		
6SDX 45/11	18.5	25	151	146	142	138	133	128	124	120	112	103	91	76	59	145	1513	29.7		
6SDX 45/12	18.5	25	163	158	155	150	145	140	135	130	120	110	98	83	64	145	1626	32		
6SDX 45/13	22	30	178	172	169	164	158	152	146	140	130	120	106	89	69	145	1739	34.3		
6SDX 45/14	22	30	193	187	183	177	171	164	158	151	140	129	115	97	75	145	1852	36.6		
6SDX 45/15	22	30	207	200	195	189	183	176	169	163	150	138	124	103	81	145	1965	38.8		
6SDX 45/16	26	35	220	214	209	203	196	189	182	174	162	149	134	113	90	145	2078	41.1		
6SDX 45/17	26	35	234	227	222	215	208	200	193	186	172	158	143	121	96	145	2191	43.4		
6SDX 45/18	30	40	248	240	235	229	221	213	204	196	182	168	150	127	101	145	2304	45.7		
6SDX 45/19	30	40	261	254	248	241	233	224	216	208	193	178	160	136	107	145	2417	47.9		
6SDX 45/20	30	40	275	267	262	255	246	238	228	219	203	187	167	142	112	145	2530	50.2		
6SDX 45/21	37	50	289	280	275	268	259	250	240	230	212	195	174	148	117	145	2643	52.5		
6SDX 45/22	37	50	302	294	288	280	270	260	251	241	222	203	183	155	123	145	2756	54.8		
6SDX 45/23	37	50	317	307	301	293	283	273	262	252	232	213	189	161	129	145	2869	57.1		
6SDX 45/24	37	50	332	325	317	309	298	287	276	265	244	223	199	171	140	145	2982	59.3		



6SDX 60

Submersible borehole electropumps for 6" wells **subteck**

Characteristic curves



6SDX 60

Submersible borehole electropumps for 6" wells



Performance $n \approx 2900$ rpm, dimensions and weights

3 ~	P ₂		Q	n \approx 2900 1/min													DN	Motore		
				m ³ /h														Ø	f	kg
	kW	HP		l/min	0	18	21	24	30	36	42	48	54	60	66	72				
6SDX 60/1	2.2	3	H m	14	13	13	12	11	10	8	7	6	5	4	2	1	Rp 4"	96	383	6.9
6SDX 60/2	3.7	5		28	26	25	24	22	20	18	16	14	13	11	8	5		4"	496	9.2
6SDX 60/3	5.5	7.5		42	40	39	38	36	32	28	26	24	21	18	14	10		609	11.5	
6SDX 60/4	7.5	10		55	53	52	51	47	43	38	35	32	28	25	20	14		722	13.7	
6SDX 60/5	9.3	12.5		69	67	66	64	60	55	50	46	42	38	33	27	19		835	16.0	
6SDX 60/6	11	15		82	79	78	76	70	64	58	53	48	44	38	32	23		948	18.3	
6SDX 60/7	13	17.5		98	94	92	89	84	77	70	64	59	54	47	40	29		1061	20.6	
6SDX 60/8	15	20		110	106	104	101	94	87	80	73	67	60	53	44	33		1174	22.9	
6SDX 60/9	18.5	25		126	122	118	116	108	99	91	83	76	69	61	51	38		1287	25.1	
6SDX 60/10	18.5	25		140	135	132	128	120	111	102	95	87	78	68	57	45		1400	27.4	
6SDX 60/11	22	30		153	148	146	142	132	122	112	103	95	86	76	64	49		1513	29.7	
6SDX 60/12	22	30		166	162	157	153	143	133	122	112	103	94	83	68	53		1626	32.0	
6SDX 60/13	26	35		179	173	169	165	155	143	132	121	110	100	87	73	57		1739	34.3	
6SDX 60/14	26	35		195	188	184	180	168	156	142	130	120	109	96	80	63		1852	36.5	
6SDX 60/15	26	35		210	203	197	193	180	166	152	138	127	116	103	86	67		1965	38.8	
6SDX 60/16	30	40		222	216	211	206	193	178	162	148	135	123	108	92	72		2078	41.1	
6SDX 60/17	37	50		239	230	226	220	207	192	175	158	145	132	116	97	78		2191	43.4	
6SDX 60/18	37	50		252	243	238	233	218	202	185	170	155	141	126	107	83		2304	45.7	
6SDX 60/19	37	50		263	254	249	243	228	210	193	177	163	148	131	110	86		2417	48.0	
6SDX 60/20	37	50		278	267	263	256	239	220	201	184	168	153	136	115	90		2530	50.2	
6SDX 60/21	37	50		292	281	276	269	252	232	211	194	177	161	142	120	95		2463	52.5	
6SDX 60/22	37	50		306	295	289	282	264	243	221	202	184	167	147	125	99		2784	60.2	

