

hydroo[®]

SDROO SERIES
SX/SN

**Submersible
borehole pump
60Hz**





PRESENTATION

Hydroo Pump Industries SL is an enterprise specialised in the research, development and large-scale production of Stainless Steel centrifugal pumps. We have a vertical integration of the production processes, standing out stamping, welding and motor wiring in 6 value centers and production units. All of them with a high performance management on pump engineering and production quality.

HYDROO has set up a wide range of pumping solutions for many applications as building services, industry, irrigation and industrial process. Customers enjoy of the highest performance in booster sets and pressurization, fire-fighting sets, pumping of underground water, HVAC, drainage and sewage, utilities, desalination and OEM integrations. Versions in 50 Hz and 60 Hz are available, as well as any modification on materials, on request.

Global water challenges require excellence in pumping technologies

and close cooperation between pump designers, manufacturers and pump engineers. In order to better meet the customers' needs and requirements our company is facing an expansion of its operations worldwide, providing timely and effective services in more than 30 countries. With tight relationships in many regions, we're proud to introduce a new regional value center for Europe. We are based near Barcelona at the Girona industrial area. Hydroo is a trademark to forge excellent and successful business relationships with our value customers by means of an operative assembling unit and an application engineering unit. HYDROO trademark wants to symbolize the firm commitment for a high level service to our value partners.

At Hydroo we bet on a high level service to our value pump partners.

SX, SN

Stainless steel
submersible
borehole pump

Applications

Water supply
Irrigation
Sprinkling and irrigation

Description

Vertical multistage pump with water-filled or oil-filled NEMA standard submersible motors for 4"-6"-8" deep wells. Built-in non-return valve included. Most parts made of stamped and welded AISI304 Stainless Steel.

Performance range

Capacity: Q up to 260 m³/h

Head: H up to 381 m

Temperature: T up to 25 °C

Speed: n 2900 rpm or 3500 rpm

Power: P up to 110 kW

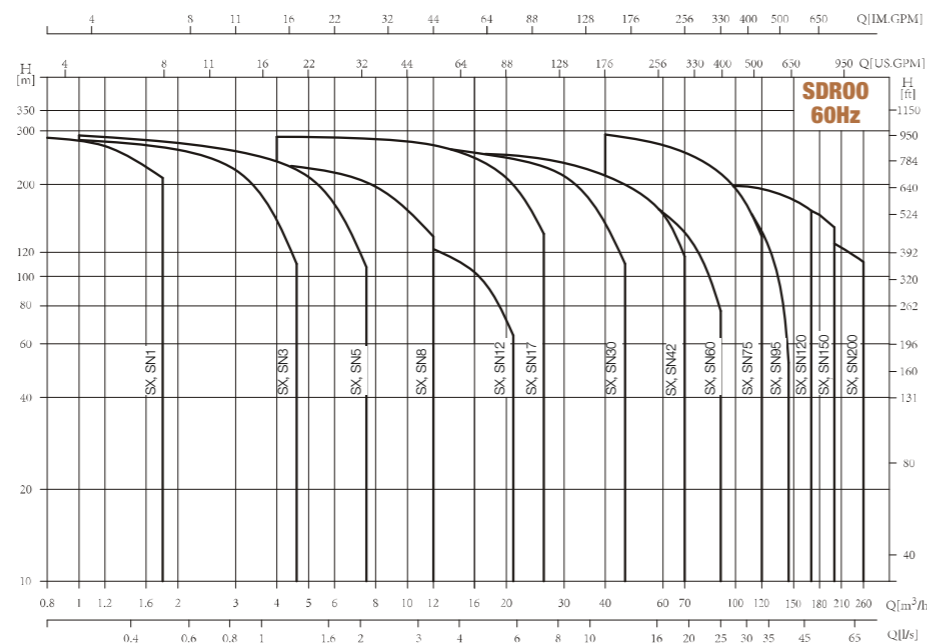
Standard material

Impeller, diffuser and shaft made in AISI304 SS. Also available, upon request, plastic made inner parts with floating impellers.

Pumps in 3"-4" with composite floating impellers available.



Performance scope



Typical applications

- Circulation or boosting for clean water, demineralized water.
- Water supply, irrigating system.
- Lowering ground water level.
- Boosting.
- Other industrial applications.

Operation conditions

- Solid grain-or-fiber-free dilute clean non-corrosive liquids.
- Maximum liquid temperature: 25 °C
- Maximum working pressure: 38 bar
- pH: 6.5~8.5

Curve conditions

- The curve tolerance complies with ISO9906 Annex A.
- All curves are based on the measured values of 60Hz: constant motor speed 3450r/min or 3500r/min.
- All measurements are carried out with gas-free water of temperature 20 °C. The curve is applicable to kinematical viscosity 1mm/s. In case density of the liquid conveyed by the pump is higher than that of water, it is necessary to use corresponding motor of higher output power.
- The thickened curve means the recommended performances scope.
- The performance curve includes loss caused by check valve etc.

Performance curve

- Q/H curve means flow and head under the rated speed.
- Power curve: P2 means input power of each grade, curves are shown for complete (1/1) and for reduced diameter (2/3) impellers.
- Efficiency curve: Eta means the stage efficiency of the pump.

NEMA Motor

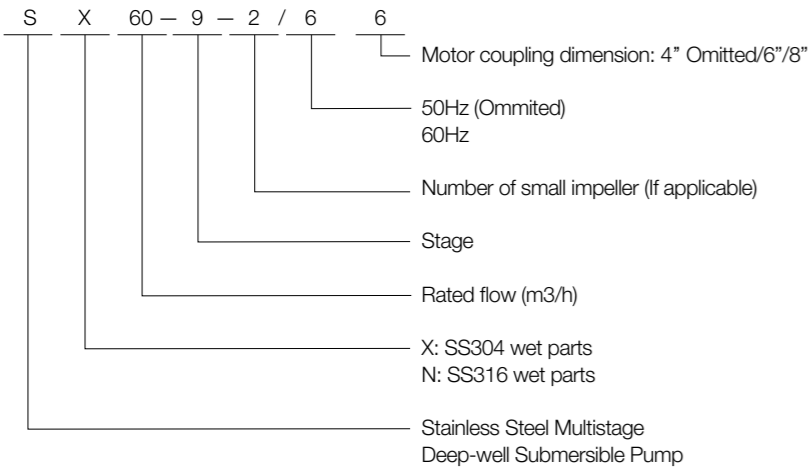
- 4" Motor Stainless steel (there is bronze flange or ss flange)
Single phase: 0.37 kW~2.2 kW
Three phase: 0.37 kW~7.5 kW
- 6" Motor Cast iron (Standard), Stainless steel (If required, need to specify) Three phase: 4 kW~37 kW
- 8" Motor Cast iron (Standard), Stainless steel (If required, need to specify) Three phase: 5.5 kW~110 kW

Product range

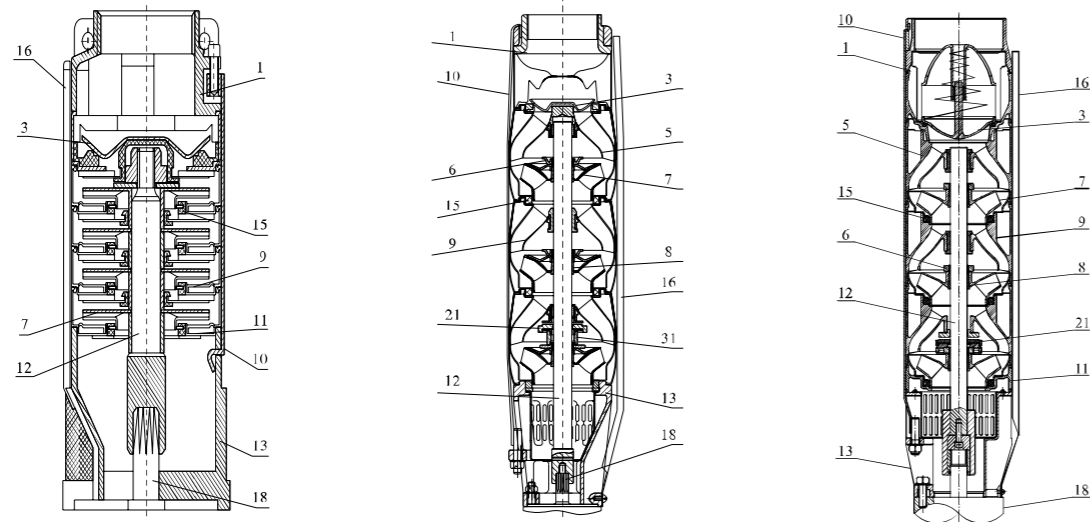
Description	SX, SN 1	SX, SN 3	SX, SN 5	SX, SN 8	SX, SN 12	SX, SN 17	SX, SN 30
Rate flow [m ³ /h]	1	3	5	8	12	17	30
Rate flow [l/s]	0.28	0.83	1.39	2.22	3.33	4.72	8.33
Flow range [m ³ /h]	0.2~1.8	0.6~4.6	1~7.5	2~12	4~21	4~26	8~46
Flow range [l/s]	0.06~0.5	0.17~1.3	0.28~2.1	0.56~3.3	1.1~5.8	1.1~7.2	2.2~12.8
Max. pressure [bar]	30	29	28	22	13	27	28
Motor power [kW]	0.37~3	0.37~4	0.55~5.5	0.75~7.5	1.5~7.5	1.1~15	1.5~22
Temp. [°C]	45	58	59	60	61	74	75
Pipe screw joint	Rp1¼	Rp1¼	Rp1½	Rp2	Rp2	Rp2½	Rp3

Description	SX, SN 42	SX, SN 60	SX, SN 75	SX, SN 95	SX, SN 120	SX, SN 150	SX, SN 200
Rate flow [m ³ /h]	42	60	75	95	120	150	200
Rate flow [l/s]	11.7	16.7	20.8	26.4	33.3	41.6	55.55
Flow range [m ³ /h]	10~70	10~90	40~120	50~145	70~170	70~170	120~260
Flow range [l/s]	2.8~19.4	2.8~25	11.1~33.3	13.9~40.3	19.4~47.2	19.4~47.2	33.3~72.22
Max. pressure [bar]	26	24	30	27	21	21	15
Motor power [kW]	3~37	3~37	13~75	15~75	15~110	15~110	30~110
Temp. [°C]	75	79	79	80	77	77	78
Pipe screw joint	Rp3	Rp4	Rp5	Rp5	Rp6	Rp6	Rp6

Definition of model



Section drawing



Ex: SX, SN 5

Ex: SX, SN 42

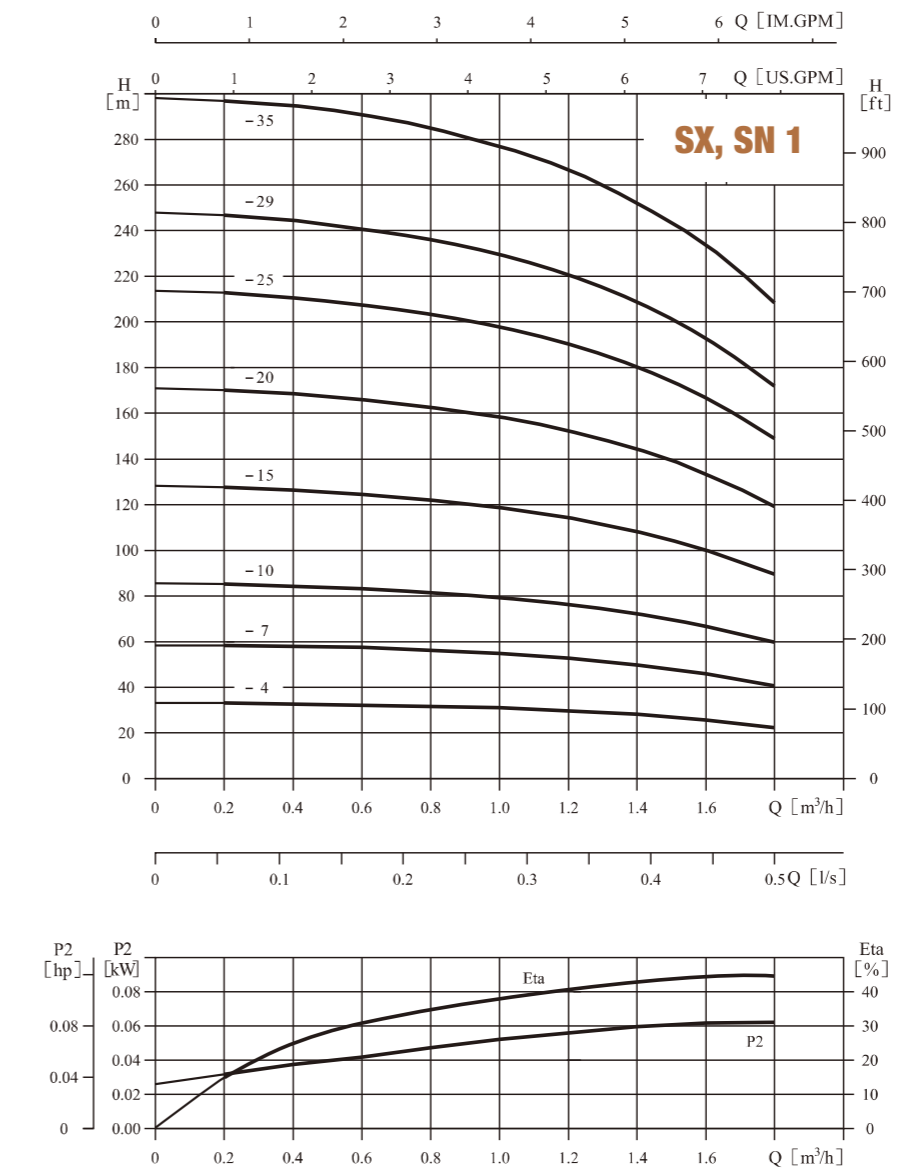
Ex: SX, SN 95

Material

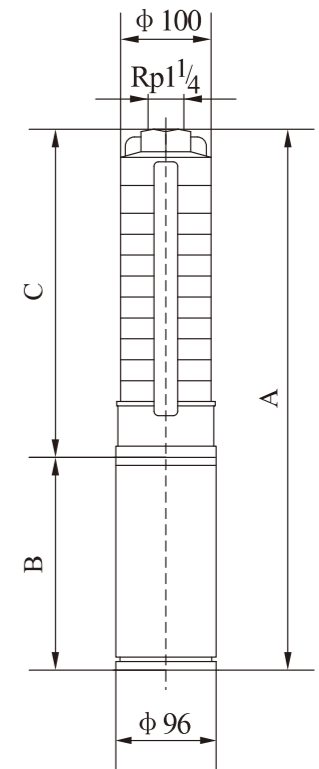
N°	Name	Material	AISI
1	Discharge head	SS304	AISI304
3	Valve cap	SS304	AISI304
5	Discharge diffuser	SS304	AISI304
6	Impeller nut	SS304	AISI304
7	Impeller	SS304	AISI304
8	Impeller cone	SS304	AISI304
9	Diffuser	SS304	AISI304
10	Straps	SS304	AISI304
11	Inducer	SS304	AISI304
12	Pump shaft	SS304/420/431	AISI304/420/431
13	Suction Interconnector	SS304	AISI304
15	Neck ring	SS304	AISI304
16	Cable guard	SS304	AISI304
18	Submersible motor		
21	Inlet spacer	Carbon	
31	Connecting sleeve	SS304	AISI304

SX, SN 1

Performance curve ISO9906 Annex A 3440rpm



Installation sketch



Performance table

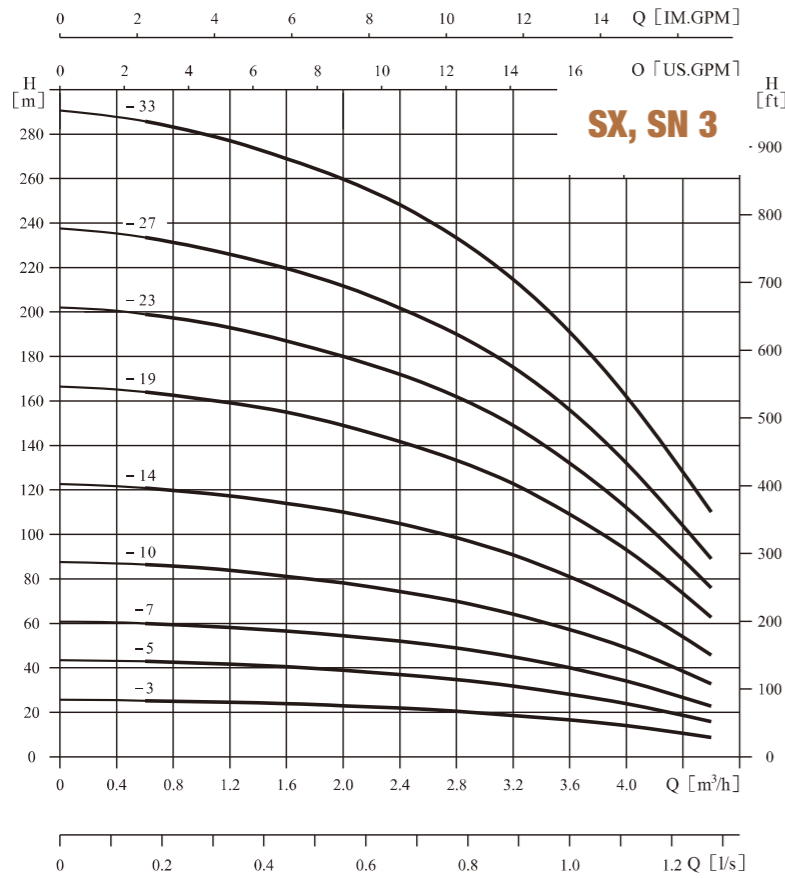
Model	Driving motor (kW)		Q (m ³ /h)	H (m)										
	(kW)	(hp)		0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8		
SX, SN1-4	0.37	0.5	H (m)	33	32.5	32	31.5	31	29.5	28	25.5	22.5		
SX, SN1-7	0.55	0.75		58.5	58	57.5	56	55	53	50	46	41		
SX, SN1-10	0.75	1		85	84	83	81	79	75	71	66	59		
SX, SN1-15	1.1	1.5		127	126	125	123	118	114	108	100	89		
SX, SN1-20	1.5	2		170	168	166	163	158	152	144	133	119		
SX, SN1-25	2.2	3		213	211	207	203	198	190	180	167	149		
SX, SN1-29	2.2	3		247	244	241	236	230	221	209	193	172		
SX, SN1-35	3.0	4		297	295	291	285	277	267	252	234	209		

Size and weight

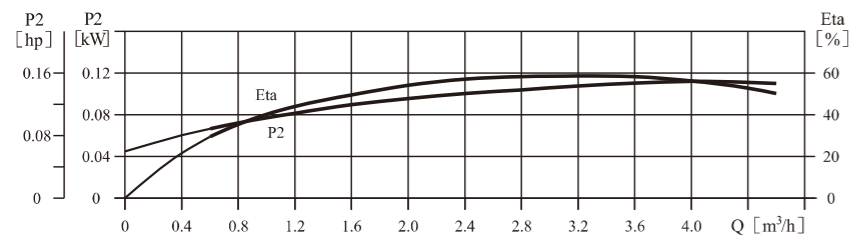
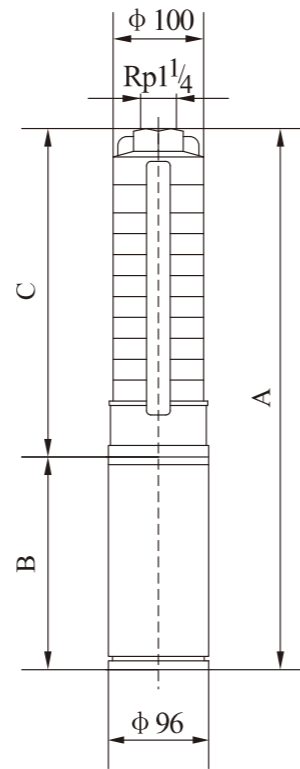
Model	Size (mm)			Weight (kg)
	A	B	C	
SX, SN1-4	625	370	255	12
SX, SN1-7	698	380	318	14
SX, SN1-10	781	400	381	16
SX, SN1-15	926	440	486	18
SX, SN1-20	1061	470	591	22
SX, SN1-25	1206	510	696	27
SX, SN1-29	1290	510	780	28
SX, SN1-35	1526	620	906	30

SX, SN 3

Performance curve ISO9906 Annex A 3440rpm



Installation sketch



Performance table

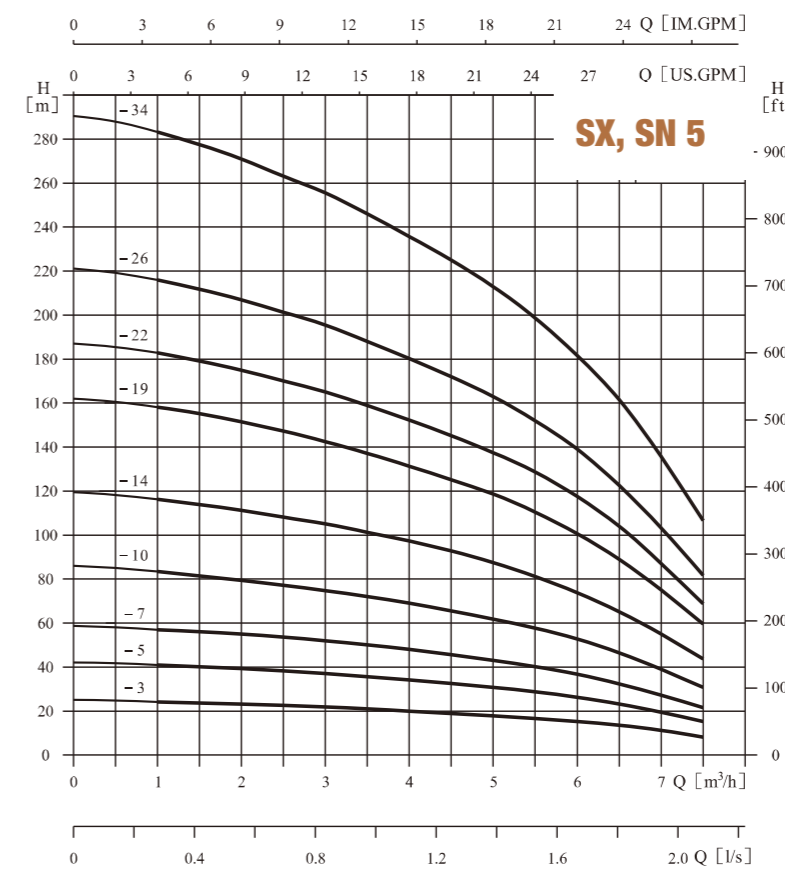
Model	Driving motor (kW)		Q (m³/h)	H (m)											
	(kW)	(hp)		0.6	1.2	1.6	2.0	2.4	3.0	3.6	4.0	4.6			
SX, SN3-3	0.37	0.5		25	24.5	24	23	22	20	16.5	14	9			
SX, SN3-5	0.55	0.75		43	41.5	40.5	39	37	34	28	24	16			
SX, SN3-7	0.75	1		60	58	56.5	54.5	52	47	40	34	23			
SX, SN3-10	1.1	1.5		86	84	81	78	74	68	57	49	33			
SX, SN3-14	1.5	2		121	117	114	110	105	95	81	69	46			
SX, SN3-19	2.2	3		164	159	155	149	142	129	109	93	63			
SX, SN3-23	3	4		199	193	187	180	172	156	132	112	76			
SX, SN3-27	3	4		233	226	220	212	202	183	156	132	89			
SX, SN3-33	4	5.5		286	277	269	260	248	223	191	162	110			

Size and weight

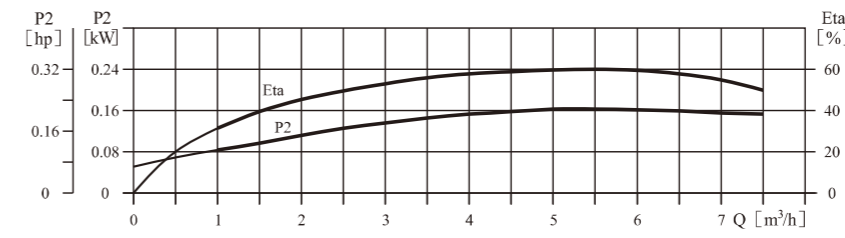
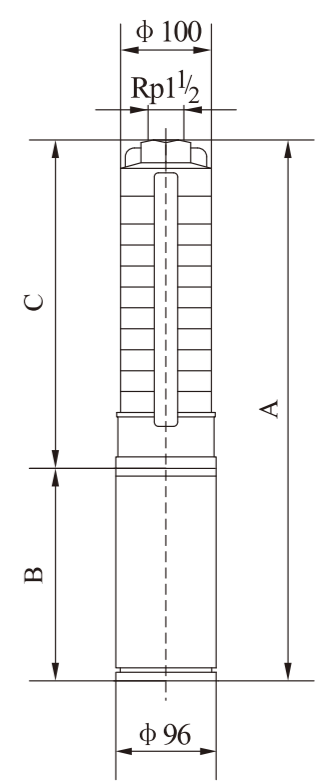
Model	Size (mm)			Weight (kg)
	A	B	C	
SX, SN3-3	604	370	234	12
SX, SN3-5	656	380	276	13
SX, SN3-7	718	400	318	15
SX, SN3-10	821	440	381	17
SX, SN3-14	935	470	465	20
SX, SN3-19	1080	510	570	25
SX, SN3-23	1274	620	654	28
SX, SN3-27	1358	620	738	29
SX, SN3-33	1614	750	864	32

SX, SN 5

Performance curve ISO9906 Annex A 3440rpm



Installation sketch



Performance table

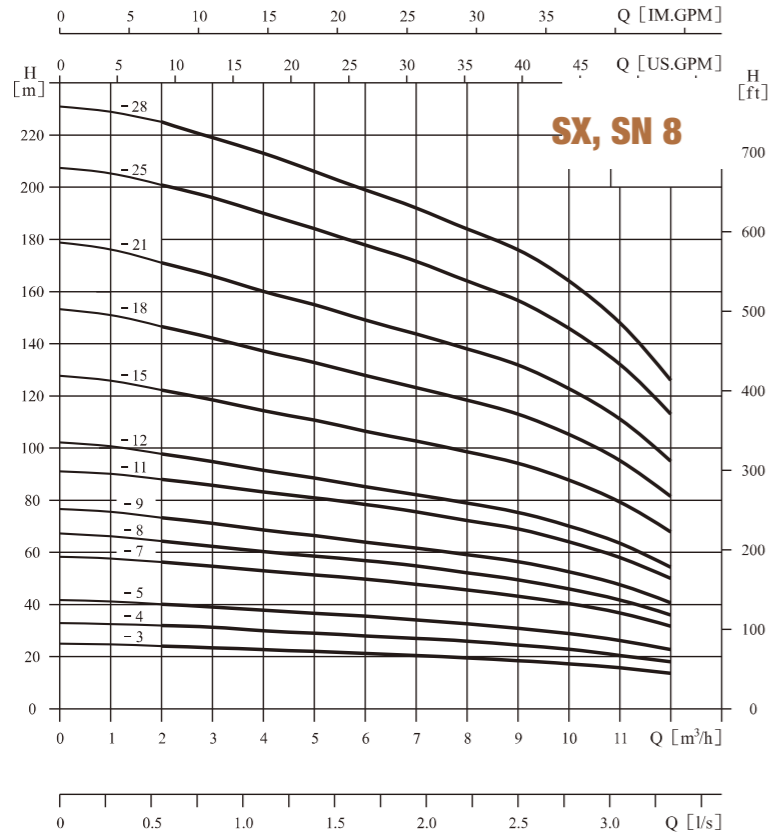
Model	Driving motor (kW)		Q (m³/h)	H (m)											
	(kW)	(hp)		1.0	2.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	7.5	
SX, SN5-3	0.55	0.75		24	23	22	21	20	19	18	17	15.5	11.5	8.5	
SX, SN5-5	0.75	1		41	39	37	35.5	34	32.5	31	29	26.5	19.5	15.5	
SX, SN5-7	1.1	1.5		57	55	52	50	48	46	43	40	37	27	22	
SX, SN5-10	1.5	2		83	79	75	72	69	66	62	58	53	39	31	
SX, SN5-14	2.2	3		116	111	105	101	97	93	88	82	74	55	44	
SX, SN5-19	3	4		158	151	143	137	131	125	119	111	101	75	60	
SX, SN5-22	4	5.5		183	175	165	159	152	145	138	129	117	87	69	
SX, SN5-26	4	5.5		216	207	196	188	180	172	163	152	139	103	82	
SX, SN5-34	5.5	7.5		282	271	256	246	235	225	213	199	182	135	107	

Size and weight

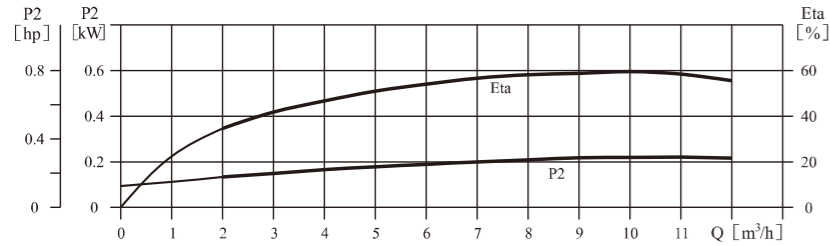
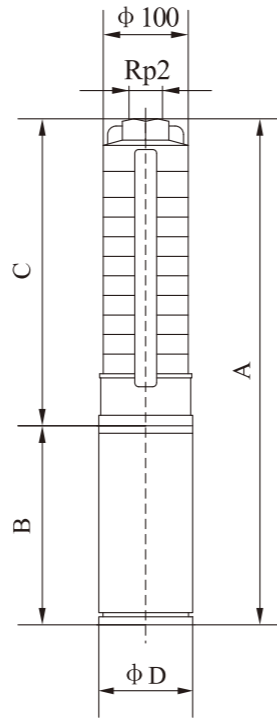
Model	Size (mm)			Weight (kg)
	A	B	C	
SX, SN5-3	614	380	234	12
SX, SN5-5	676	400	276	14
SX, SN5-7	758	440	318	16
SX, SN5-10	851	470	381	19
SX, SN5-14	975	510	465	24
SX, SN5-19	1190	620	570	27
SX, SN5-22	1383	750	633	29
SX, SN5-26	1467	750	717	30
SX, SN5-34	1725	840	885	35

SX, SN 8

Performance curve ISO9906 Annex A 3440rpm



Installation sketch



Performance table

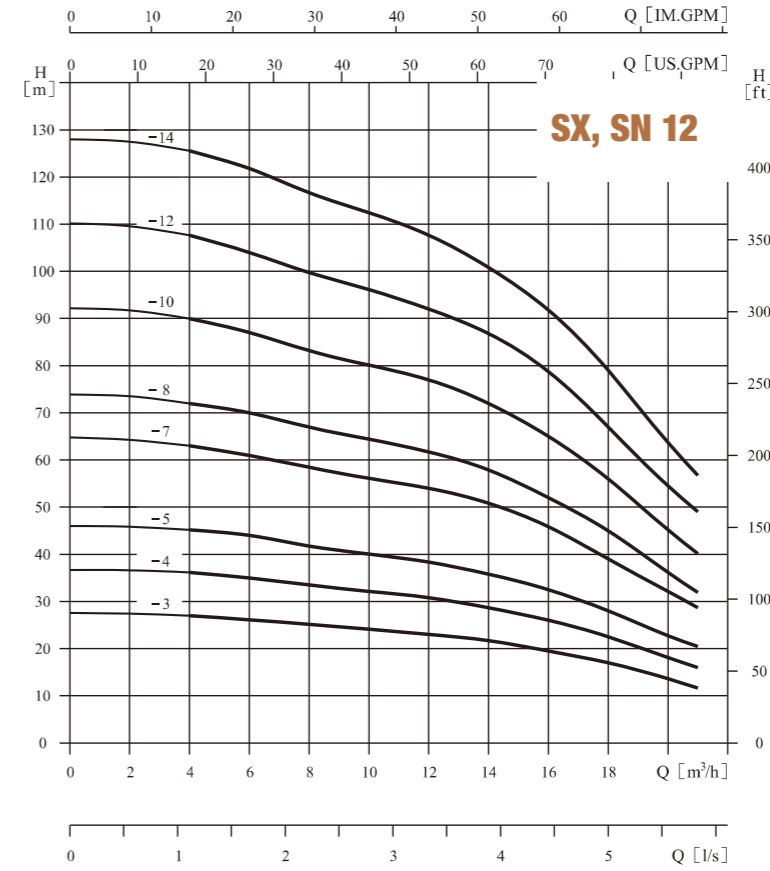
Model	Driving motor (kW)		Q (m³/h)	H (m)											
	(kW)	(hp)		2	3	4	5	6	7	8	9	10	11	12	
SX, SN8-3	1.1	1.5		24	23.5	22.5	22	21	20.5	19.5	18.5	17	15.5	13.5	
SX, SN8-4	1.1	1.5		32	31.5	30	29	28	27	26	24.5	23	20.5	18	
SX, SN8-5	1.5	2		40	39	38	36.5	35.5	34	32.5	31	29	26	22.5	
SX, SN8-7	2.2	3		56	55	53	51	50	48	46	43	40	37	32	
SX, SN8-8	2.2	3		64	62	60	58	57	55	52	49	46	42	36	
SX, SN8-9	3	4		72	70	68	66	64	62	59	56	53	48	41	
SX, SN8-11	3	4		88	86	83	81	79	76	72	69	64	58	50	
SX, SN8-12	4	5.5		97	94	91	89	86	83	79	75	70	63	54	
SX, SN8-15	4	5.5		121	118	114	111	107	103	98	94	88	79	68	
SX, SN8-18	5.5	7.5		147	142	137	133	128	124	118	113	105	95	81	
SX, SN8-21	5.5	7.5		171	166	160	155	149	144	138	132	123	111	95	
SX, SN8-25	7.5	10		201	196	190	184	177	172	164	157	146	132	113	
SX, SN8-28	7.5	10		225	219	213	206	199	192	184	176	164	148	126	

Size and weight

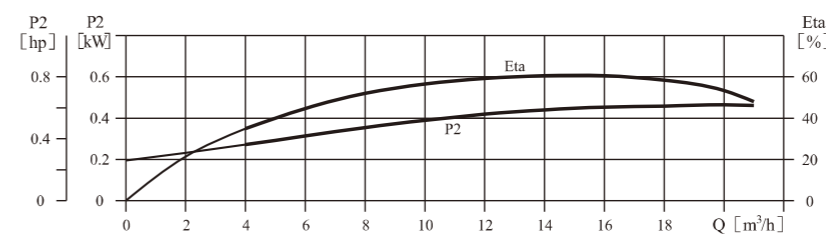
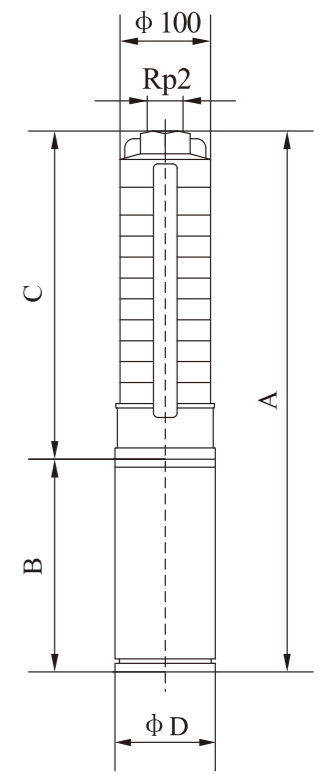
Model	Size (mm)				Weight (kg)
	A	B	C	ΦD	
SX, SN8-3	809	440	369	96	17
SX, SN8-4	851	440	411	96	18
SX, SN8-5	923	470	453	96	22
SX, SN8-7	1047	510	537	96	25
SX, SN8-8	1089	510	579	96	26
SX, SN8-9	1241	620	621	96	28
SX, SN8-11	1325	620	705	96	29
SX, SN8-12	1497	750	747	96/143	31/37
SX, SN8-15	1623	750	873	96/143	32/38
SX, SN8-18	1839	840	999	96/143	37/45
SX, SN8-21	1965	840	1125	96/143	39/47
SX, SN8-25	2213	920	1293	96/143	46/57
SX, SN8-28	2339	920	1419	96/143	47/58

SX, SN 12

Performance curve ISO9906 Annex A 3440rpm



Installation sketch



Performance table

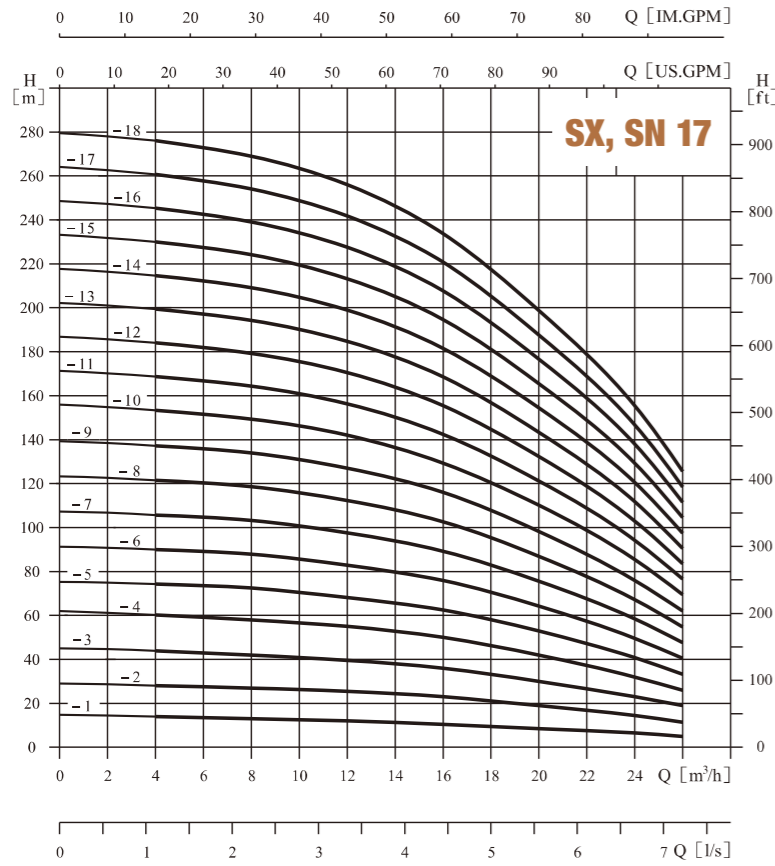
Model	Driving motor (kW)		Q (m³/h)	H (m)											
	(kW)	(hp)		4	6	8	10	12	14	16	18	20	21		
SX, SN12-3	2.2	3		27	26	25	24	23	22	19.5	17	13.5	12		
SX, SN12-4	2.2	3		36	35	33	32	31	29	26	22.5	18	16.5		
SX, SN12-5	3	4		45	44	41.5	40	38.5	36	32.5	28	22.5	21		
SX, SN12-7	4	5.5		63	61	58	56	54	51	46	39	32	28		
SX, SN12-8	5.5	7.5		72	70	66	64	62	58	52	45	36	32		
SX, SN12-10	5.5	7.5		90	87	83	80	77	72	65	56	45	40		
SX, SN12-12	7.5	10		108	104	99	96	92	87	79	67	54	49		
SX, SN12-14	7.5	10		126	122	116	112	108	101	92	79	63	57		

Size and weight

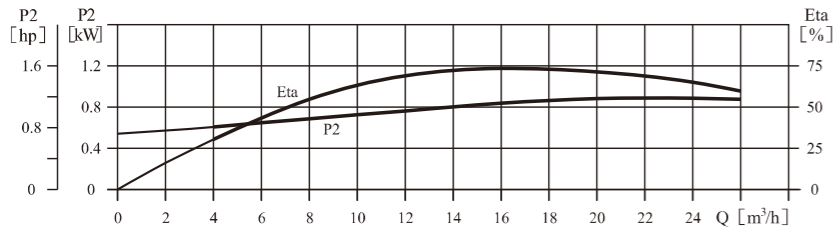
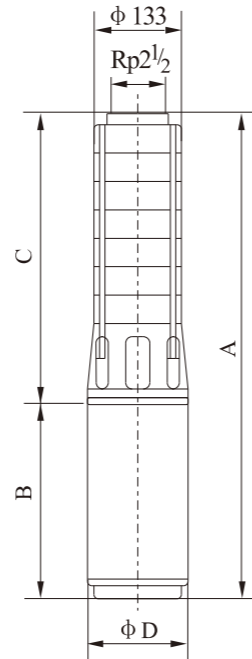
Model	Size (mm)				Weight (kg)
	A	B	C	ΦD	
SX, SN12-3	915	510	405	96	24
SX, SN12-4	980	510	470	96	25
SX, SN12-5	1155	620	535	96	28
SX, SN12-7	1415	750	665	96/143	29/35
SX, SN12-8	1570	840	730	96/143	35/43
SX, SN12-10	1700	840	860	96/143	36/44
SX, SN12-12	1910	920	990	96/143	42/53
SX, SN12-14	2040	920	1120	96/143	43/54

SX, SN 17

Performance curve ISO9906 Annex A 3440rpm



Installation sketch



Performance table

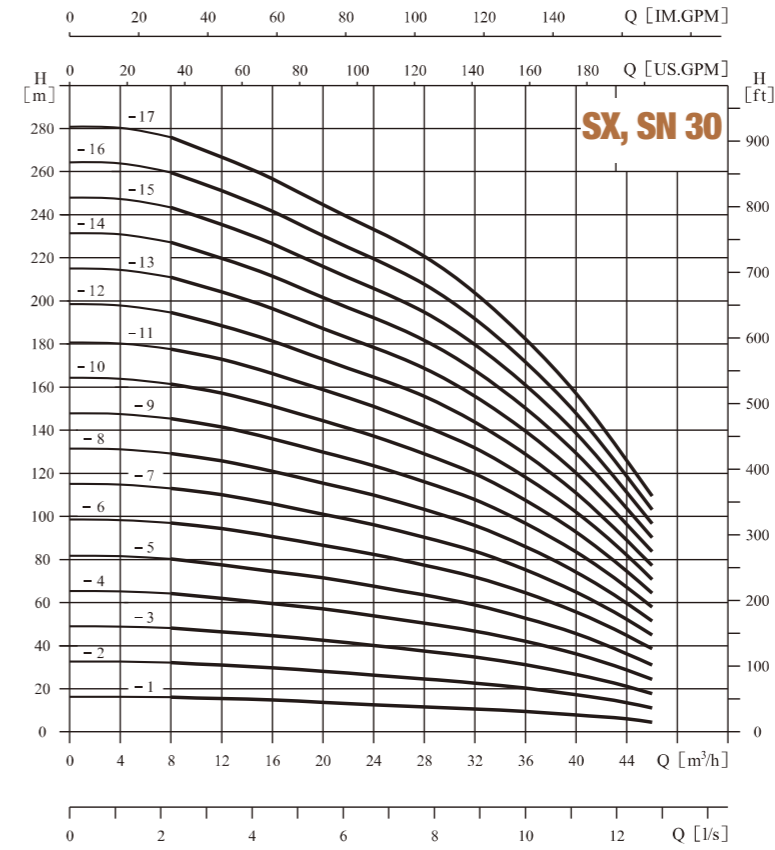
Model	Driving motor (kW)		Q (m³/h)	H (m)								
	(kW)	(hp)		4	8	12	16	17	20	24	26	
SX, SN17-1	1.1	1.5		14	13	12	10.5	10	8.5	6.5	5	
SX, SN17-2	2.2	3		28	27	25.5	23	22	19	14.5	11.5	
SX, SN17-3	3.0	4		44	42	40	36	35	30	23	19	
SX, SN17-4	4.0	5.5		60	58	55	50	48	42	32	26	
SX, SN17-5	5.5	7.5		75	73	69	63	61	53	41	33	
SX, SN17-6	7.5	10		90	88	83	76	74	64	50	40	
SX, SN17-7	7.5	10		106	103	98	89	87	75	59	48	
SX, SN17-8	9.2	12.5		121	119	113	102	100	86	68	55	
SX, SN17-9	9.2	12.5		137	134	127	116	112	97	77	62	
SX, SN17-10	11	15		153	149	142	129	125	108	86	69	
SX, SN17-11	11	15		168	164	156	143	138	119	95	76	
SX, SN17-12	13	17.5		183	179	171	156	151	131	104	84	
SX, SN17-13	13	17.5		199	194	185	170	164	142	113	91	
SX, SN17-14	15	20		214	209	199	183	177	153	121	98	
SX, SN17-15	15	20		229	224	214	196	189	164	130	105	
SX, SN17-16	18.5	25		244	239	228	209	202	175	139	112	
SX, SN17-17	18.5	25		260	254	242	222	214	186	147	119	
SX, SN17-18	18.5	25		275	269	256	235	227	197	156	126	

Size and weight

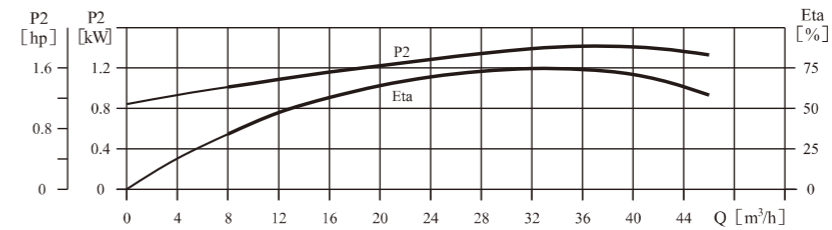
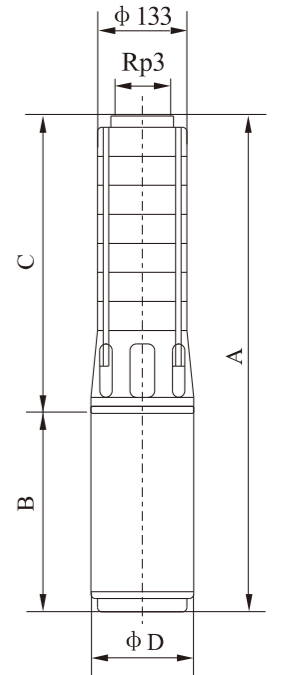
Model	Size (mm)				Weight (kg)
	A	B	C	ΦD	
SX, SN17-1	767	440	327	96	20
SX, SN17-2	898	510	388	96	27
SX, SN17-3	1068	620	448	96	30
SX, SN17-4	1259	750	509	96/143	33/39
SX, SN17-5	1409	840	569	96/143	37/45
SX, SN17-6	1550	920	630	96/143	43/54
SX, SN17-7	1610	920	690	96/143	44/55
SX, SN17-8	1621	870	751	143	62
SX, SN17-9	1681	870	811	143	63
SX, SN17-10	1808	920	888	143	77
SX, SN17-11	1868	920	948	143	78
SX, SN17-12	1989	980	1009	143	87
SX, SN17-13	2049	980	1069	143	88
SX, SN17-14	2160	1030	1130	143	95
SX, SN17-15	2230	1030	1190	143	96
SX, SN17-16	2341	1090	1251	143	104
SX, SN17-17	2401	1090	1311	143	105
SX, SN17-18	2462	1090	1372	143	106

SX, SN 30

Performance curve ISO9906 Annex A 3440rpm



Installation sketch



Performance table

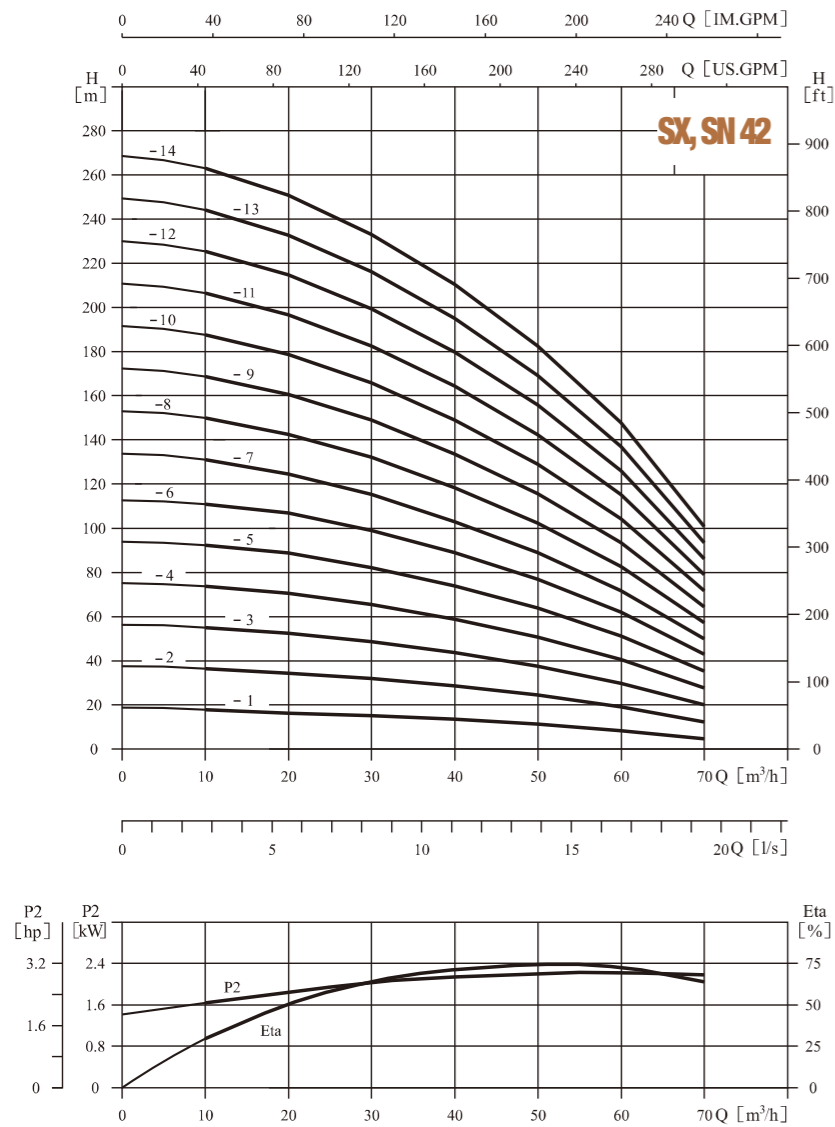
Model	Driving motor (kW)		Q (m³/h)	H (m)													
	(kW)	(hp)		8	12	16	20	24	28	30	32	36	40	44	46		
SX, SN30-1	1.5	2		16	15.5	15	13.5	13	12	11	10.5	9.5	7.5	6	4.5		
SX, SN30-2	3.0	4		32	31	29	27	26	24.5	23.5	23	20.5	17	13	11.5		
SX, SN30-3	5.5	7.5		48	46	45	42	39	37	36	34	31	26.5	21	17.5		
SX, SN30-4	7.5	10		64	62	60	57	53	50	49	47	42	36	29	25		
SX, SN30-5	7.5	10		81	77	74	72	67	64	62	59	53	46	36	31		
SX, SN30-6	9.2	12.5		97	94	90	86	82	78	75	72	64	55	45	39		
SX, SN30-7	11	15		113	110	105	100	96	90	88	84	75	65	52	45		
SX, SN30-8	13	17.5		129	125	120	114	109	103	100	96	86	74	60	52		
SX, SN30-9	15	20		145	141	135	129	123	116	113	108	96	83	67	58		
SX, SN30-10	15	20		162	157	150	143	137	129	125	120	107	92	74	65		
SX, SN30-11	18.5	25		178	173	166	158	151	142	138	132	118	102	82	71		
SX, SN30-12	18.5	25		195	188	181	172	164	156	150	144	128	111	89	77		
SX, SN30-13	22	30		211	203	196	187	178	169	163	156	139	120	97	84		
SX, SN30-14	22	30		227	219	211	201	192	182	175	168	150	129	104	90		
SX, SN30-15	25	34		244	235	226	215	206	195	188	180	161	138	112	97		
SX, SN30-16	25	34		260	250	241	230	219	208	200	192	171	148	119	103		
SX, SN30-17	25	34		276	266	256	244	233	221	213	204	182	157	126	110		

Size and weight

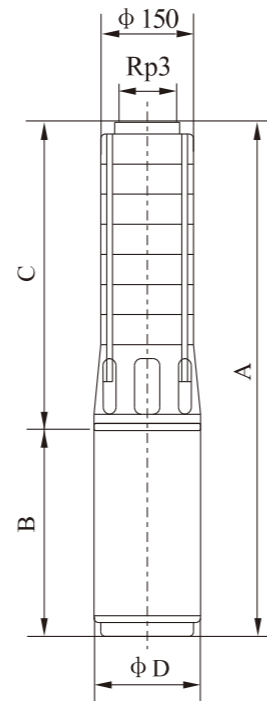
Model	Size (mm)				Weight (kg)
	A	B	C	ΦD	
SX, SN30-1	832	470	362	96	22
SX, SN30-2	1078	620	458	96	29
SX, SN30-3	1394	840	554	96/143	37/45
SX, SN30-4	1570	920	650	96/143	44/55
SX, SN30-5	1666	920	746	96/143	45/56
SX, SN30-6	1728	870	858	143	69
SX, SN30-7	1874	920	954	143	77
SX, SN30-8	2030	980	1050	143	86
SX, SN30-9	2176	1030	1146	143	93
SX, SN30-10	2272	1030	1242	143	95
SX, SN30-11	2428	1090	1338	143	103
SX, SN30-12	2524	1090	1434	143	105
SX, SN30-13	2690	1160	1530	143	121
SX, SN30-14	2786	1160	1626	143	123
SX, SN30-15	2952	1230	1722	143	135
SX, SN30-16	3048	1230	1818	143	137
SX, SN30-17	3144	1230	1914	143	139

SX, SN 42

Performance curve ISO9906 Annex A 3440rpm



Installation sketch



Performance table

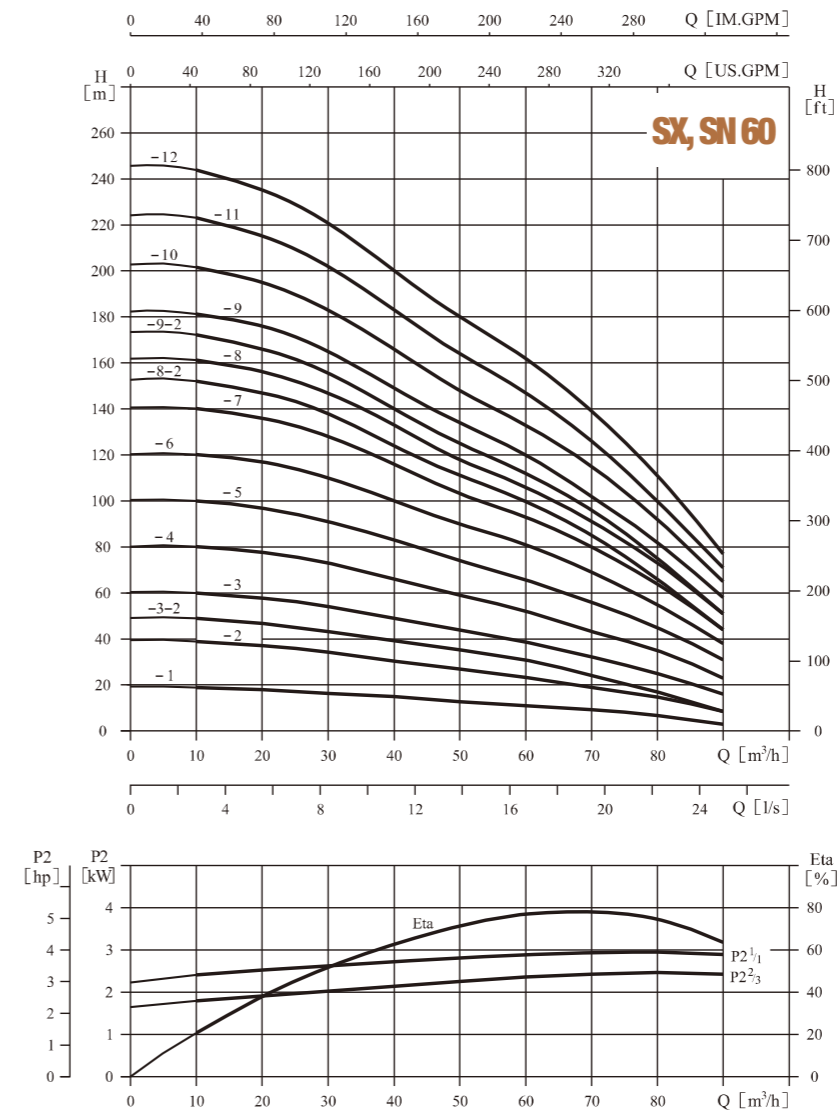
Model	Driving motor (kW)		Q (m³/h)	H (m)																
	(kW)	(hp)		10	20	30	40	42	50	60	70									
SX, SN42-1	3.0	4		17	16.5	15	13.5	13	11.5	8.5	5									
SX, SN42-2	5.5	7.5		36	34	31.5	28.5	28	24.5	19	12.5									
SX, SN42-3	9.2	12.5		55	52.5	48	44	43	38	30	20									
SX, SN42-4	11	15		74	70	65	58	57	51	40	27									
SX, SN42-5	13	17.5		93	88	82	73	72	64	51	35									
SX, SN42-6	18.5	25		111	107	99	89	87	77	62	43									
SX, SN42-7	18.5	25		131	125	116	105	102	91	73	50									
SX, SN42-8	22	30		150	143	133	120	117	104	84	56									
SX, SN42-9	25	34		168	161	149	135	131	117	94	64									
SX, SN42-10	30	40		187	179	166	150	146	131	105	72									
SX, SN42-11	30	40		206	197	182	165	161	144	116	79									
SX, SN42-12	37	50		225	215	199	180	176	157	126	87									
SX, SN42-13	37	50		244	233	216	196	191	170	137	94									
SX, SN42-14	37	50		263	251	233	211	206	183	148	101									

Size and weight

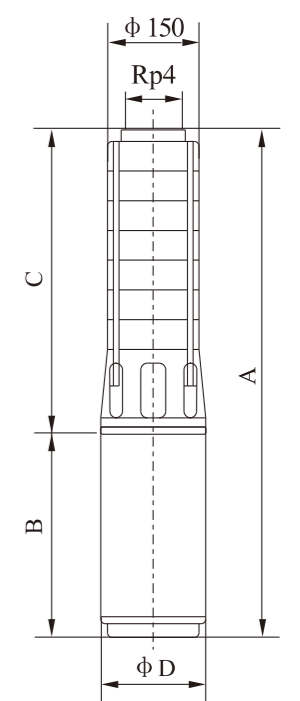
Model	Size (mm)				Weight (kg)
	A	B	C	ΦD	
SX, SN42-1	998	620	378	96	31
SX, SN42-2	1331	840	491	96/143	38/46
SX, SN42-3	1474	870	604	143	67
SX, SN42-4	1653	920	733	143	75
SX, SN42-5	1826	980	846	143	83
SX, SN42-6	2049	1090	959	143	98
SX, SN42-7	2162	1090	1072	143	100
SX, SN42-8	2345	1160	1185	143	117
SX, SN42-9	2528	1230	1298	143	125
SX, SN42-10	2741	1330	1411	143	141
SX, SN42-11	2854	1330	1524	143	143
SX, SN42-12	3207	1570	1637	143	173
SX, SN42-13	3320	1570	1750	143	175
SX, SN42-14	3433	1570	1863	143	177

SX, SN 60

Performance curve ISO9906 Annex A 3440rpm



Installation sketch



Performance table

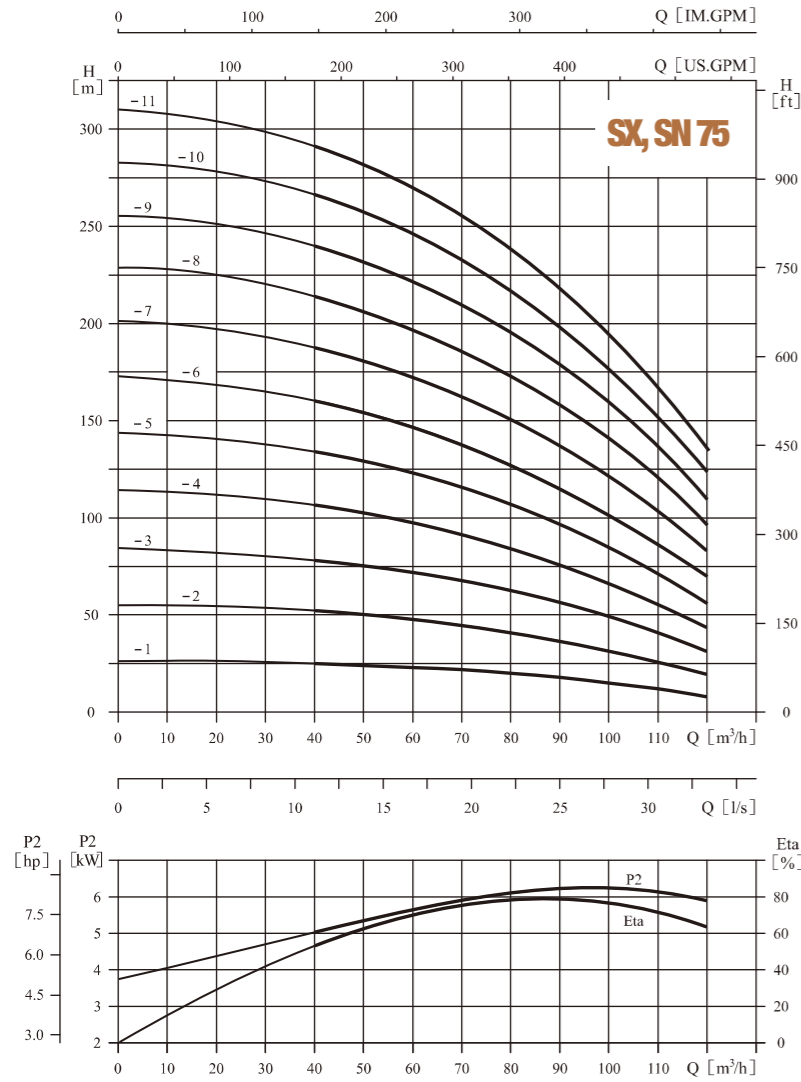
Model	Driving motor (kW)		Q (m³/h)	H (m)																
	(kW)	(hp)		10	20	30	40	50	60	70	80	90								
SX, SN60-1	4	5.5		19	18	16.5	15	12.5	11	9.5	7	3								
SX, SN60-2	7.5	10		39	37	34	30	27	23.5	19	15	8.5								
SX, SN60-3-2	7.5	10		49	47	43	39	35	31	24	17	8.5								
SX, SN60-3	9.2	12.5		60	58	54	49	44	39	32	25	16								
SX, SN60-4	13	17.5		80	78	73	66	59	52	43	35	23								
SX, SN60-5	15	20		100	97	91	83	74	66	56	45	31								
SX, SN60-6	18.5	25		120	117	110	100	90	81	69	55	38								
SX, SN60-7	22	30		140	136	128	116	103	93	80	64	44								
SX, SN60-8-2	22	30		152	147	138	124	111	100	85	66	44								
SX, SN60-8	25	34		161	156	147	133	118	106	91	73	51								
SX, SN60-9-2	25	34		172	166	156	140	125	112	96	75	51								
SX, SN60-9	30	40		181	176	165	149	134	120	102	82	58								
SX, SN60-10	30	40		202	195	183	166	149	133	115	92	65								
SX, SN60-11	37	50		223	215	202	183	164	147	126	100	71								
SX, SN60-12	37	50		244	235	221	200	180	162	139	111	77								

Size and weight

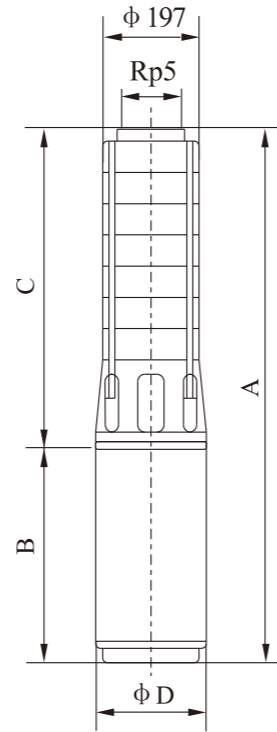
Model	Size (mm)				Weight (kg)
	A	B	C	ΦD	
SX, SN60-1	1108	750	358	96/143	33/44
SX, SN60-2	1381	920	471	96/143	44/62
SX, SN60-3-2	1404	920	584	96/143	45/63
SX, SN60-3	1480	870	610	143	67
SX, SN60-4	1703	980	723	143	81
SX, SN60-5	1866	1030	836	143	89
SX, SN60-6	2039	1090	949	143	98
SX, SN60-7	2222	1160	1062	143	114
SX, SN60-8-2	2335	1160	1175	143	116
SX, SN60-8	2405	1230	1175	143	128
SX, SN60-9-2	2518	1230	1288	143	130
SX, SN60-9	2618	1330	1288	143	144
SX, SN60-10	2787	1330	1401	143	146
SX, SN60-11	3084	1570	1514	143	171
SX, SN60-12	3197	1570	1627	143	173

SX, SN 75

Performance curve ISO9906 Annex A 3500rpm



Installation sketch



Performance table

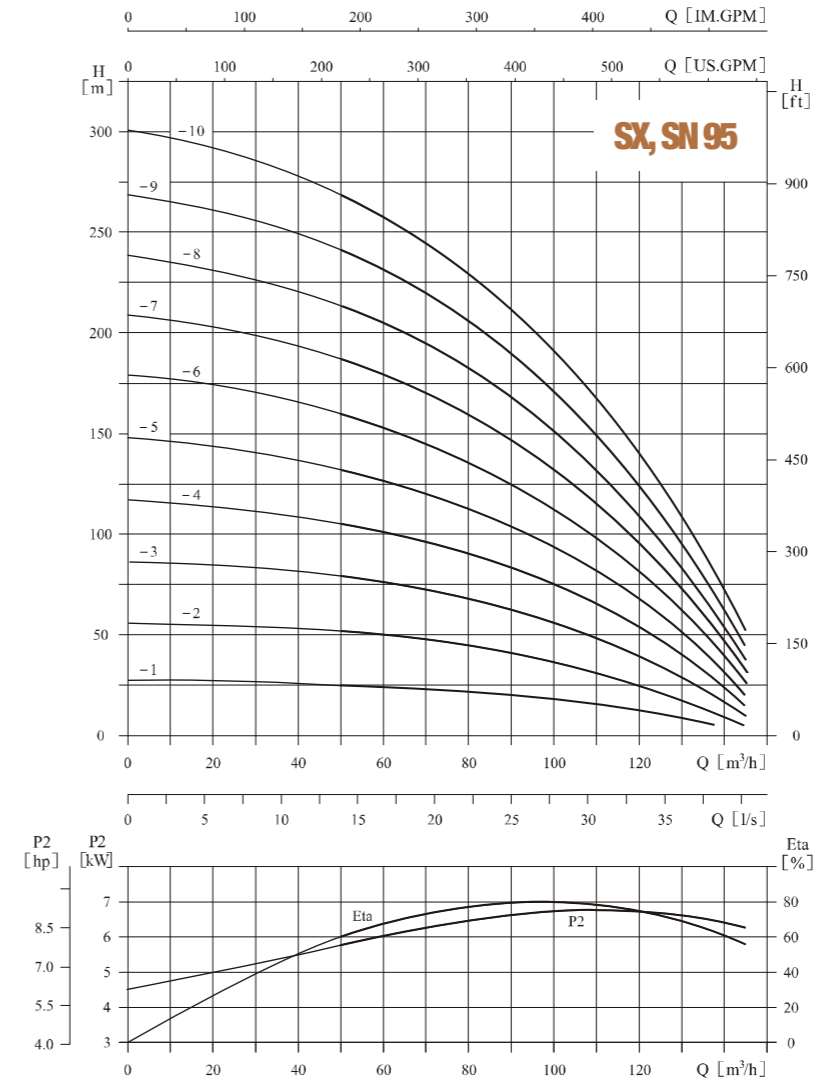
Model	Driving motor (kW)		Q (m³/h)	H (m)										
	(kW)	(hp)		40	50	60	70	75	80	90	100	110	120	
SX,SN75-1	7.5	10	25	24	23	22	21	20	18	15	12	8		
SX,SN75-2	13	17.5	52	50	47	44	42.5	40.5	36.5	32	26.5	19.5		
SX,SN75-3	22	30	78.5	75.5	71.5	67	65	62	56	49	41	31.5		
SX,SN75-4	30	40	107	103	98	91	88	84	77	68	57	44		
SX,SN75-5	37	50	134	129	122	114	110	106	96	84	72	57		
SX,SN75-6	45	60	160	154	146	137	132	126	115	102	87	70		
SX,SN75-7	45	60	188	181	173	161	155	149	136	121	104	83		
SX,SN75-8	55	75	214	207	197	184	178	171	156	140	121	97		
SX,SN75-9	63	85	240	232	221	208	201	194	177	158	136	110		
SX,SN75-10	75	100	267	258	247	232	224	217	198	177	152	123		
SX,SN75-11	75	100	292	283	270	255	246	238	217	194	168	135		

Size and weight

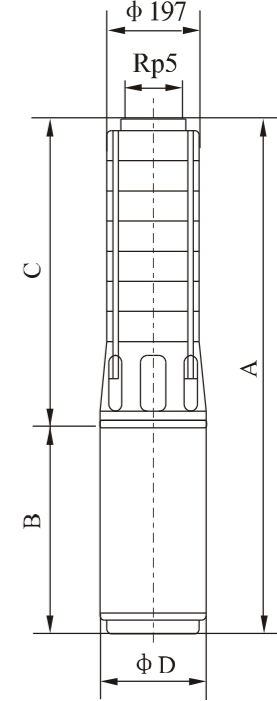
Model	Size (mm)				Weight (kg)
	A	B	C	ΦD	
SX,SN75-1	1298/1285	810/780	488/505	143/184	70/79
SX,SN75-2	1594/1491	980/860	614/631	143/184	94/123
SX,SN75-3	1900/1697	1160/940	740/757	143/184	126/162
SX,SN75-4	2196/1933	1330/1050	866/883	143/184	156/195
SX,SN75-5	2562/2159	1570/1150	992/1009	143/184	184/212
SX,SN75-6	2375	1240	1135	184	229
SX,SN75-7	2501	1240	1261	184	235
SX,SN75-8	2757	1370	1387	184	253
SX,SN75-9	3003	1490	1513	184	272
SX,SN75-10	3179	1540	1639	184	298
SX,SN75-11	3305	1540	1765	184	304

SX, SN 95

Performance curve ISO9906 Annex A 3500rpm



Installation sketch



Performance table

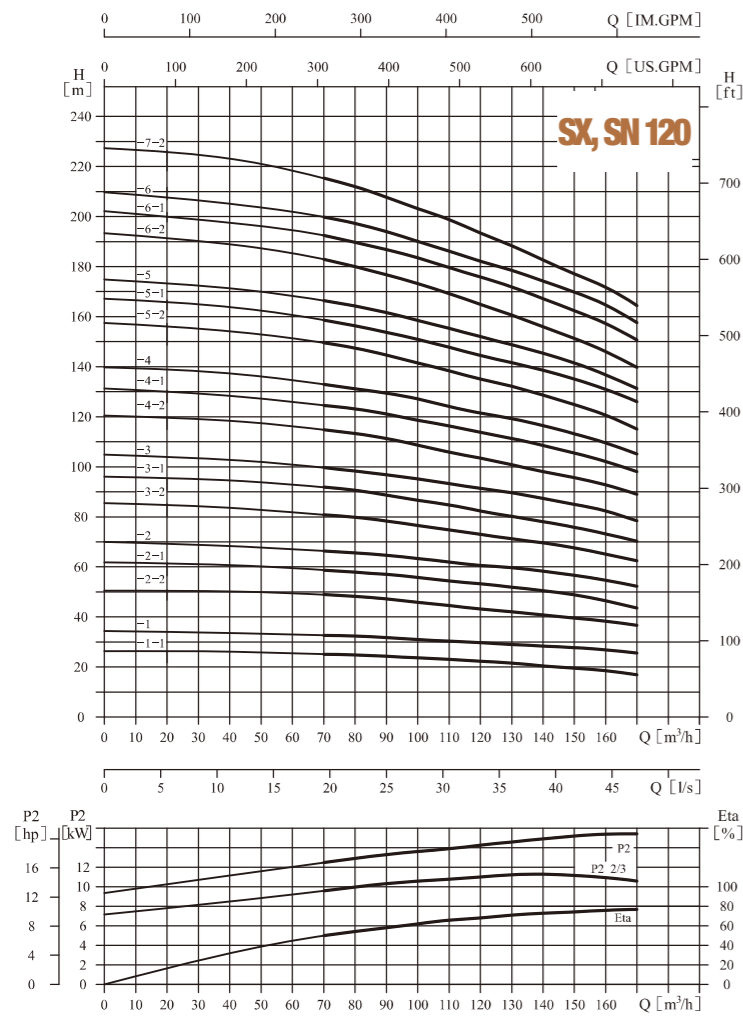
Model	Driving motor (kW)		Q (m³/h)	H (m)														
	(kW)	(hp)		50	60	70	80	90	95	100	110	120	130	145				
SX,SN95-1	7.5	10	25	24	23	21.5	20	18.5	17	15	12	8.5	-					
SX,SN95-2	15	20	52	50.5	48	44.5	40.5	38	36	31	25.5	19.5	5					
SX,SN95-3	22	30	78.5	75.5	72	62	62	59	55.5	47.5	39	30	9					
SX,SN95-4	30	40	105	102	96	90	83	79	75	65	53	41	15					
SX,SN95-5	37	50	133	127	121	113	104	99	94	81	67	51	20					
SX,SN95-6	45	60	160	153	145	136	125	119	113	98	82	63	26					
SX,SN95-7	55	75	187	179	170	173	146	140	132	116	96	73	32					
SX,SN95-8	63	85	214	205	194	182	167	159	151	132	110	84	37					
SX,SN95-9	63	85	242	232	219	204	188	180	171	150	125	95	45					
SX,SN95-10	75	100	269	258	244	228	210	201	191	168	140	107	52					

Size and weight

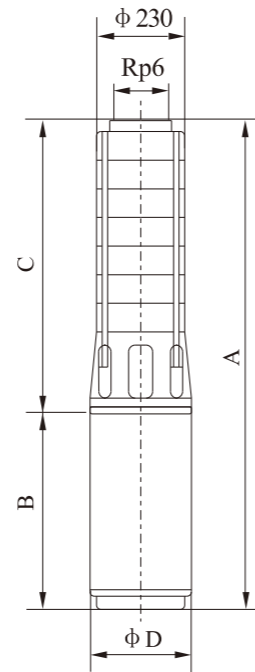
Model	Size (mm)				Weight (kg)
	A	B	C	ΦD	
SX,SN95-1	1298/1285	810/780	488/505	143/184	71/80
SX,SN95-2	1644/1491	1030/860	614/631	143/184	101/124
SX,SN95-3	1900/1697	1160/940	740/757	143/184	127/163
SX,SN95-4	2196/1933	1330/1050	866/883	143/184	158/196
SX,SN95-5	2562/2159	1570/1150	992/1009	143/184	186/214
SX,SN95-6	2375	1240	1135	184	232
SX,SN95-7	2631	1370	1261	184	250
SX,SN95-8	2877	1490	1387	184	270
SX,SN95-9	3003	1490	1513	184	276
SX,SN95-10	3179	1540	1639	184	302

SX, SN 120

Performance curve ISO9906 Annex A 3500rpm



Installation sketch



Performance table

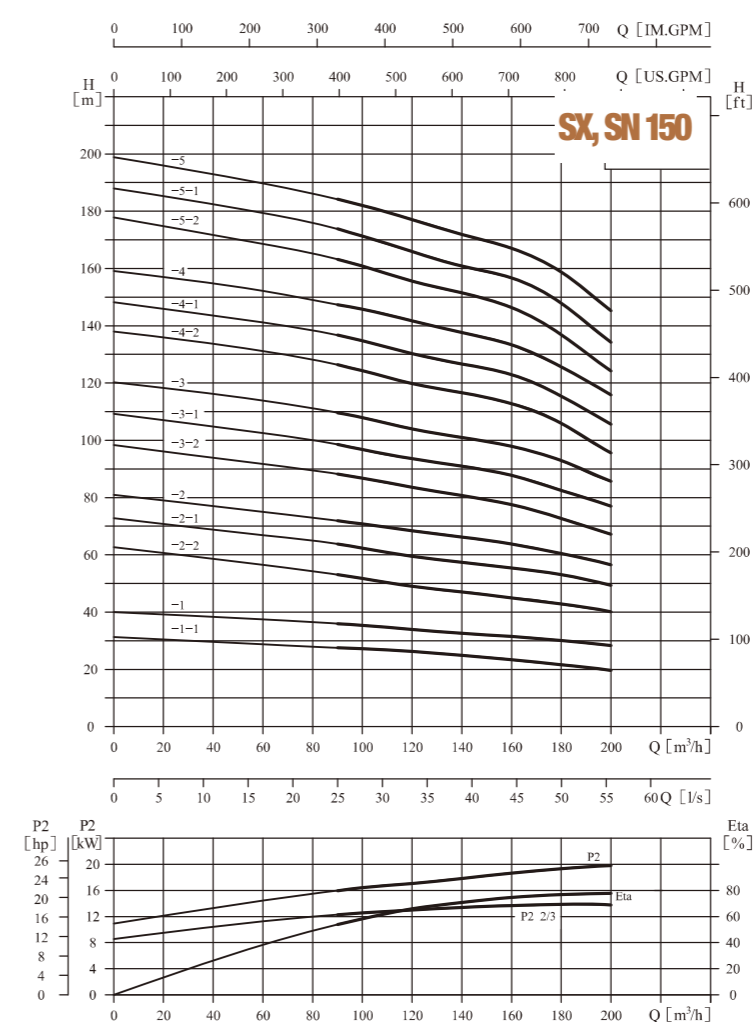
Model	Driving motor (kW)		Q (m³/h)	H (m)												
	(kW)	(hp)		70	80	90	100	110	120	130	140	150	160	170		
SX,SN120-1-1	15	20	25	24.5	24	23.5	23	22	21.5	20.5	19.5	18.5	16.5			
SX,SN120-1	18.5	25	32.5	32	31.5	31	30	29.5	29	28	27.5	26.5	25.5			
SX,SN120-2-2	25	30	48.5	48	47	45.5	44.5	43	42	40.5	39.5	38	36.5			
SX,SN120-2-1	30	40	58.5	57.5	57	55.5	54	53	51.5	50.5	48.9	46.5	43.5			
SX,SN120-2	37	50	66	65.5	64.5	63	61.5	60.5	59.5	58	56.5	54.5	52			
SX,SN120-3-2	45	60	80.5	79.5	78	76.5	74.5	73	71	69.5	67.5	65	62.5			
SX,SN120-3-1	45	60	91.5	90.5	88.5	86.5	84.5	82	80	78	75.5	73	70			
SX,SN120-3	55	75	99.5	98	96.5	95	93	91	89.5	87	85	82	78.5			
SX,SN120-4-2	63	85	114.5	113	111	108.5	105.5	103	100.5	98	95.5	92.5	89			
SX,SN120-4-1	63	85	124.5	123	121	118.5	116	113.5	111	108.5	105.5	102	98			
SX,SN120-4	75	100	132.5	131	129	127	124	121.5	119	116.5	113	109.5	105			
SX,SN120-5-2	75	100	149.5	147	144.5	141.5	138	135	132	128.5	124.5	120.5	115			
SX,SN120-5-1	90	120	158.5	156	153	150.5	147.5	144.5	141.5	138.5	135	131	126			
SX,SN120-5	90	120	166	164	161.5	158.5	155	152	148.5	145	141.5	136.5	131			
SX,SN120-6-2	90	120	182.5	179.5	176.5	173	169	164.5	160.5	156	151	146	139.5			
SX,SN120-6-1	110	150	192.5	189.5	186.5	183.5	179.5	175.5	171.5	167	162	157	150.5			
SX,SN120-6	110	150	199.5	197	193.5	190	186	182	178	174	169.5	164.5	159.5			
SX,SN120-7-2	110	150	215	211.5	207.5	203	198.5	193.5	188	182.5	177	171.5	164			

Size and weight

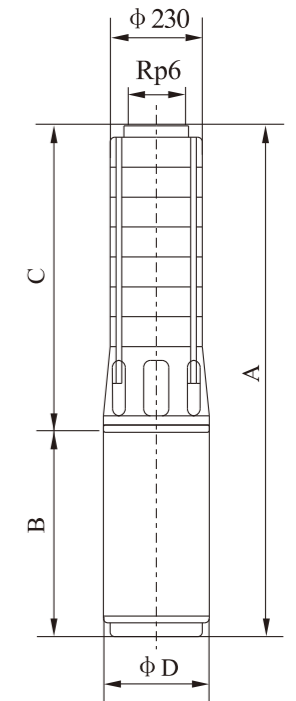
Model	Size (mm)				Weight (kg)
	A	B	C	ΦD	
SX,SN120-1-1	1420	860	560	184	127
SX,SN120-1	1450	890	560	184	132
SX,SN120-2-2	1710	990	720	184	165
SX,SN120-2-1	1770	1050	720	184	179
SX,SN120-2	1870	1150	720	184	193
SX,SN120-3-2	2120	1240	880	184	216
SX,SN120-3-1	2120	1240	880	184	216
SX,SN120-3	2250	1370	880	184	236
SX,SN120-4-2	2530	1490	1040	192	272
SX,SN120-4-1	2530	1490	1040	192	272
SX,SN120-4	2580	1540	1040	192	282
SX,SN120-5-2	2740	1540	1200	192	290
SX,SN120-5-1	2844	1644	1200	192	310
SX,SN120-5	2844	1644	1200	192	310
SX,SN120-6-2	3004	1644	1360	192	318
SX,SN120-6-1	3124	1764	1360	192	344
SX,SN120-6	3124	1764	1360	192	344
SX,SN120-7-2	3284	1764	1520	192	352

SX, SN 150

Performance curve ISO9906 Annex A 3500rpm



Installation sketch



Performance table

Model	Driving motor (kW)		Q (m³/h)	H (m)									
	(kW)	(hp)		90	100	120	140	150	160	180	200		
SX,SN150-1-1	15	20	27.5	27	26	24.5	24	23	21.5	19.5			
SX,SN150-1	22	30	36	35	33.5	32.5	32	31.5	30	28			
SX,SN150-2-2	30	40	53	51.5	49	47	46	45	42.5	40			
SX,SN150-2-1	37	50	63.5	62	59.5	57	56	55	53	49			
SX,SN150-2	45	60	71.5	70.5	68	66	65	63.5	60	56.5			
SX,SN150-3-2	55	75	88	86.5	83.5	80.5	79	77.5	72.5	67			
SX,SN150-3-1	63	85	98.5	96.5	93.5	91	89.5	87.5	82.5	76.5			
SX,SN150-3	63	85	109.5	107.5	104	101	99.5	97.5	92.5	95.5			
SX,SN150-4-2	75	100	126	124	119.5	116.5	114.5	112.5	105.5	95.5			
SX,SN150-4-1	90	120	136.5	134.5	130	126.5	125	122.5	115	105.5			
SX,SN150-4	90	120	147	145.5	141.5	137.5	135.5	133	125.5	115.5			
SX,SN150-5-2	110	150	163	160.5	155.5	151.5	149	146	136.5	124			
SX,SN150-5-1	110	150	173.5	171	165.5	160.5	158.5	156.5	147.5	134			
SX,SN150-5	110	150	184	182	177	171.5	169.5	167	158.5	145			

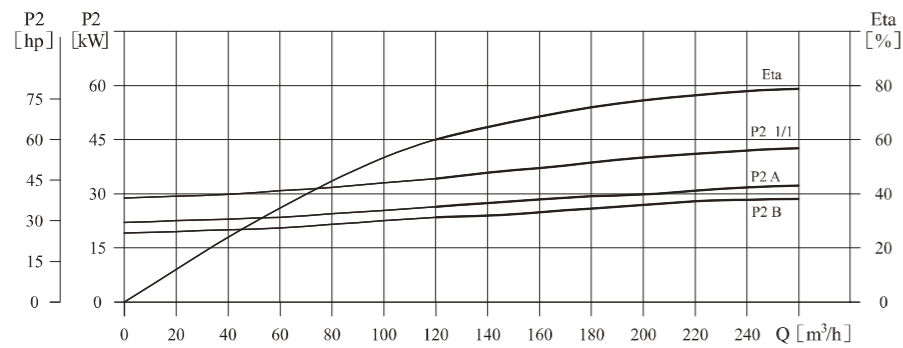
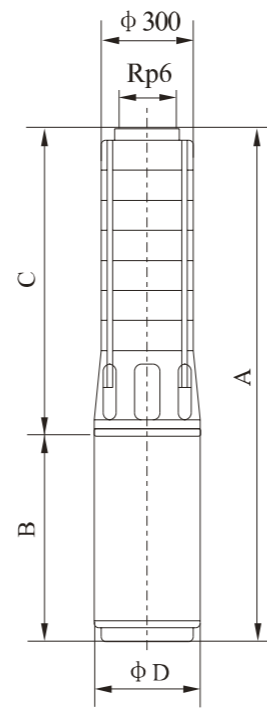
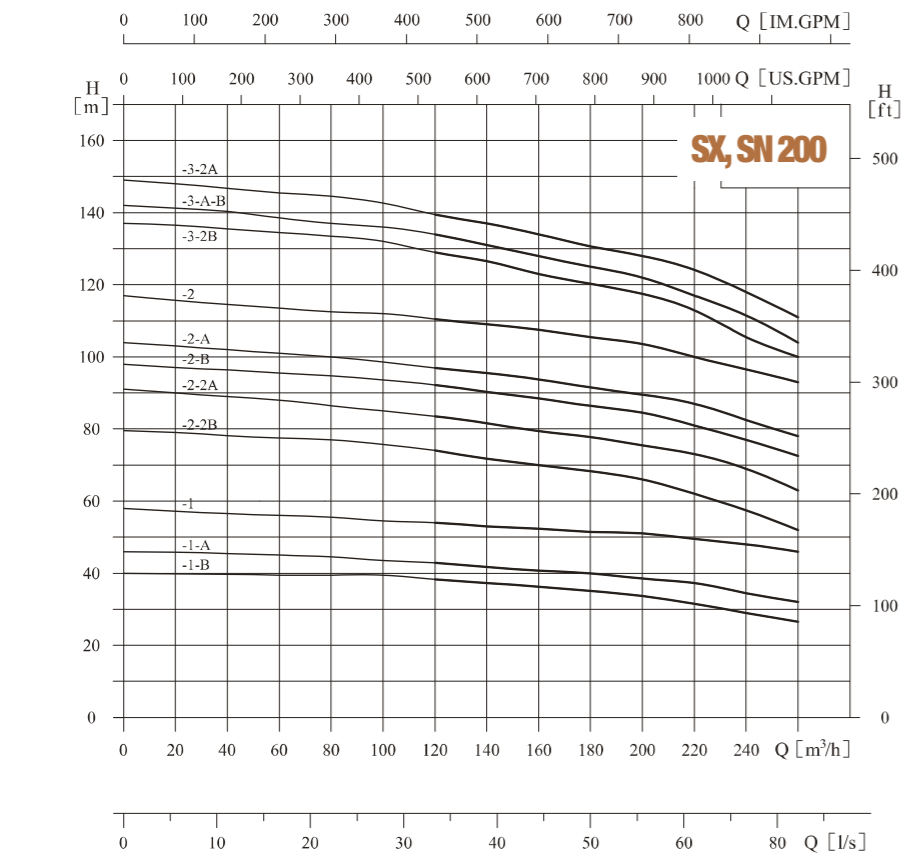
Size and weight

Model	Size (mm)				Weight (kg)
	A	B	C	ΦD	
SX,SN150-1-1	1420	860	560	184	127
SX,SN150-1	1500	940	560	184	147
SX,SN150-2-2	1770	1050	720	184	180
SX,SN150-2-1	1870	1150	720	184	194
SX,SN150-2	1960	1240	720	184	209
SX,SN150-3-2	2250	1370	880	184	237
SX,SN150-3-1	2370	1490	880	184	264
SX,SN150-3	2370	1490	880	184	264
SX,SN150-4-2	2580	1540	1040	192	282
SX,SN150-4-1	2684	1644	1040	192	302
SX,SN150-4	2684	1644	1040	192	302
SX,SN150-5-2	2964	1764	1200	192	336
SX,SN150-5-1	2964	1764	1200	192	336
SX,SN150-5	2964	1764	1200	192	336

SX, SN 200

Performance curve ISO9906 Annex A 3500rpm

Installation sketch



Performance table

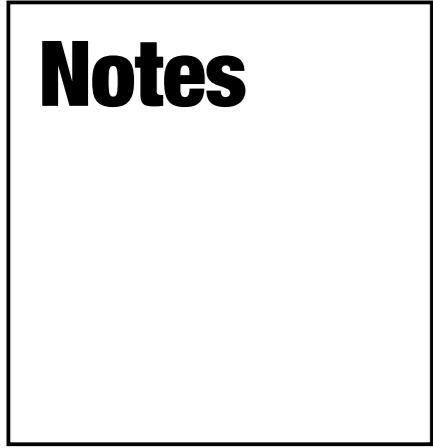
Model	Driving motor (kW)		Q (m³/h)	H (m)									
	(kW)	(hp)		120	140	160	180	200	220	240	260		
SX, SN200-1-B	30	40		38	37	36.5	35	34	31.5	29	26.5		
SX, SN200-1-A	37	50		43	42.5	41	40	38.5	37.5	34.5	32		
SX, SN200-a	45	60		54	53	52	51.5	51	49.5	48	46		
SX, SN200-2-2B	55	75		74	71.5	70	68	66	62	57.5	52		
SX, SN200-2-2A	75	100		83.5	81	79	77	75.5	73	69	63		
SX, SN200-2-B	75	100		92	90	88.5	86.5	85	81	77	72.5		
SX, SN200-2-A	90	120		96.5	95.5	93	91.5	89.5	87	82.5	78		
SX, SN200-2	90	120		110.5	109	107.5	105.5	104	100	96.5	93		
SX, SN200-3-2B	110	150		129	126.5	123	120	118	113.5	105.5	100		
SX, SN200-3-A-B	110	150		134	131	128	125	122	117	111.5	104		
SX, SN200-3-2A	110	150		139.5	137	134	130.5	128	124	118	111		

Size and weight

Model	Size (mm)				Weight (kg)
	A	B	C	ϕD	
SX, SN200-1-B	1721	1122	599	236	221
SX, SN200-1-A	1761	1162	599	236	239
SX, SN200-a	1791	1192	599	236	259
SX, SN200-2-2B	2065	1272	793	236	308
SX, SN200-2-2A	2215	1422	793	236	364
SX, SN200-2-B	2215	1422	793	236	364
SX, SN200-2-A	2325	1532	793	236	377
SX, SN200-2	2325	1532	793	236	377
SX, SN200-3-2B	2629	1642	987	236	436
SX, SN200-3-A-B	2629	1642	987	236	436
SX, SN200-3-2A	2629	1642	987	236	436



Notes



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