

6S Submersible Borehole Pumps For 6" Well

Construction

Submersible borehole pumps for 6"(150mm) deep wells comes with various model impellers. The Elegant, sleek and light weight Sheet metal Diffuser and Impeller can with stand all types of water corrosions. The life span of the pump sets are comparatively higher than the cast iron series pump sets.

Applications

- Agriculture
- Domestic Building Services
- Commercial Building Services
- Public Utilities

Operating Conditions

- Liquid temperature : upto 33 °C
- Total Solids : 3000ppm (Max.)
- Durability : 50ppm (Silica Scale Max.)
- Continuous duty

Water filled Rewindable motor

- 2-pole Induction motor, 50Hz (n= 2900 rpm)
- Three phase with DOL, S/D connection 440V up to 5.5kW
- Voltage tolerances : +6% -15%
- Insulation class : B

Special features

- Versions for star/delta start (SD)
- Special Winding designs for different voltage supplies
- Construction with required metals

MATERIAL SPECIFICATIONS

PUMP

Components	Materials
Suction Housing	SS 304
Diffuser	SS 304
Impeller	SS 304
Pump Shaft	SS 420
Sleeve	SS 410
NRV Body	SS 304
Locking Strip	SS 304
Guide Bushes	Rubber
Strainer	SS 304

MOTOR

Components	Materials
Body	SS 304
Housings	Cast Iron FG 200
Rotor shaft	SS 420 (Hardened)
Thrust Bearing	Carbon , SS 410
Bearing Bush	LTB4
Seal	Oil Seal, Nitrile Rubber

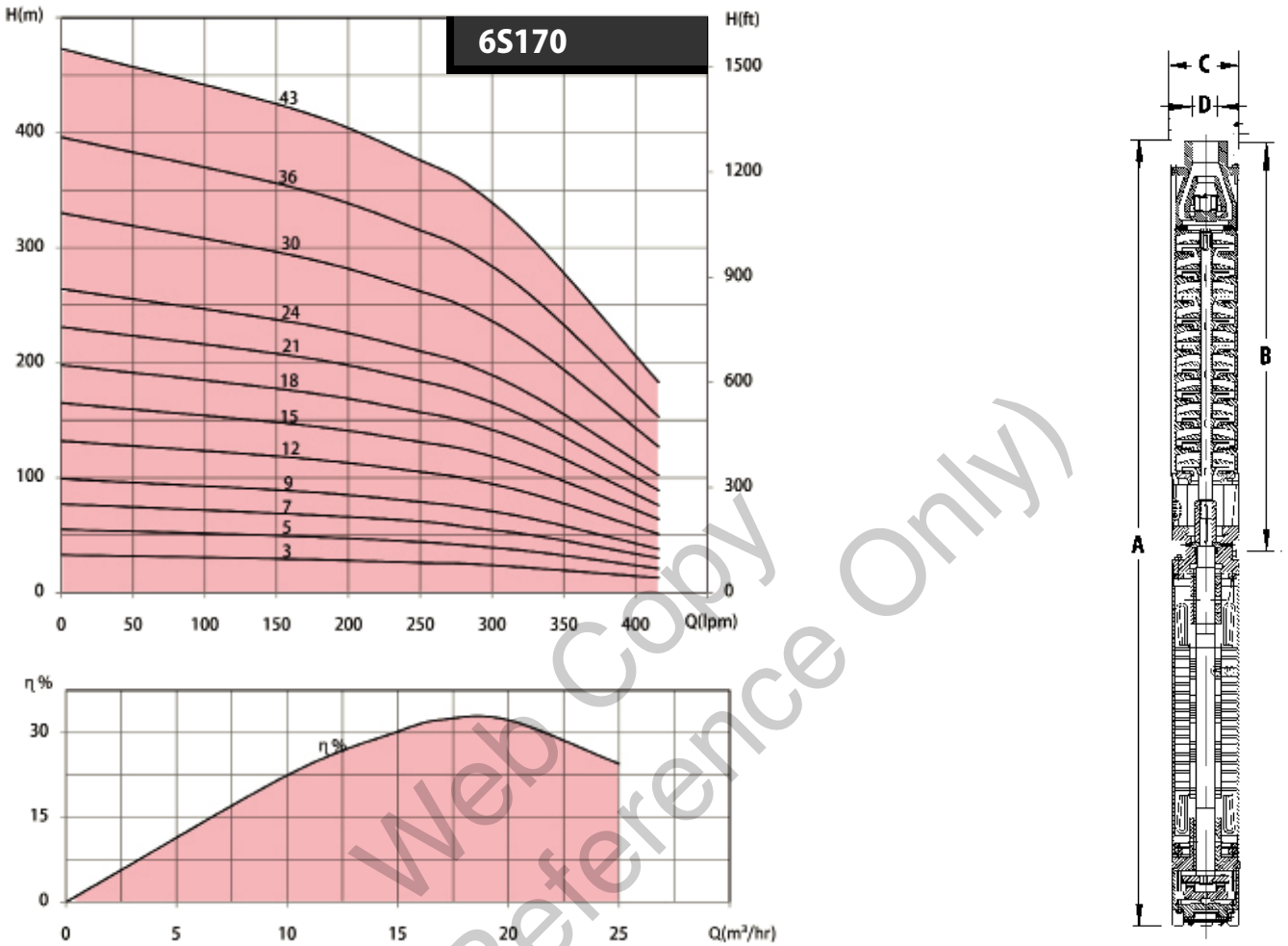


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Submersible Borehole Pumps For 6" Well



Characteristic Curves



Hydraulic Performance & Dimensions

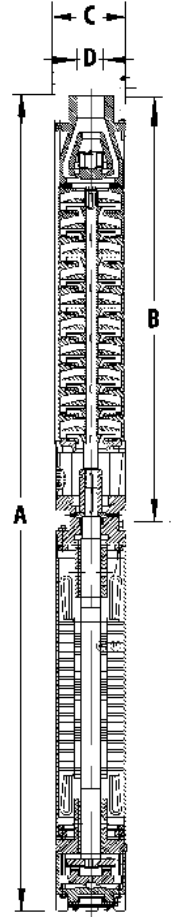
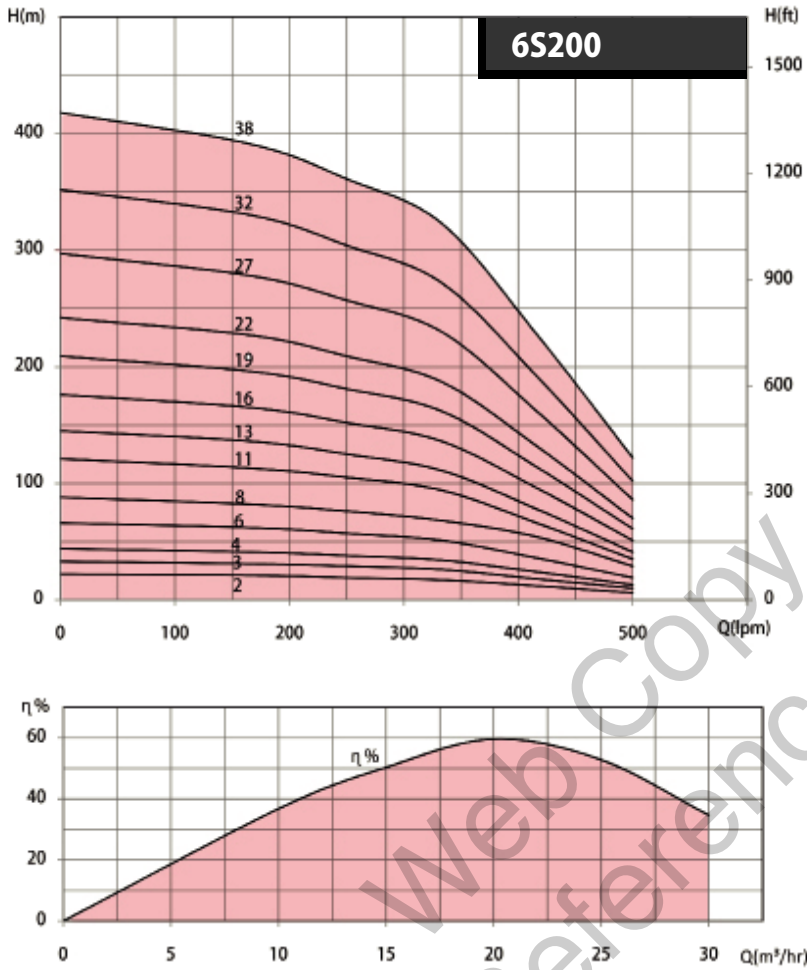
Product Code	HP	kW	Q - m³/hr	0	5.0	10.0	15.0	17.0	20.0	25.0	Dimension in mm			DNM
			Q - LPM	0	83	166	250	283	333	416	A	B	C	D
6S170/3	3.0	2.2	Total Head in Metres	33	31	29	26	25	21	13	971	406	142	2.5"
6S170/5	4.0	3.0		55	52	49	44	41	35	21	1061	496	142	2.5"
6S170/7	5.0	3.7		77	71	68	62	57	49	30	1181	586	142	2.5"
6S170/9	7.5	5.5		99	95	88	79	74	63	38	1331	676	142	2.5"
6S170/12	10.0	7.5		132	121	117	105	99	84	51	1536	811	142	2.5"
6S170/15	12.5	9.3		165	160	146	131	124	105	64	1711	946	142	2.5"
6S170/18	15.0	11.0		198	180	175	157	148	126	76	1876	1081	142	2.5"
6S170/21	17.5	13.2		231	220	205	184	173	147	89	2061	1216	142	2.5"
6S170/24	20.0	15.0		264	250	234	210	198	168	102	2236	1351	142	2.5"
6S170/30	25.0	19.0		330	315	292	262	247	210	127	2546	1621	142	2.5"
6S170/36	30.0	22.0		396	378	351	315	297	252	153	2856	1891	142	2.5"
6S170/43	35.0	26.5		473	442	419	376	355	301	183	3211	2206	142	2.5"

* M - Single Phase, T - Three Phase, Q - Discharge, DNM - Nominal Diameter

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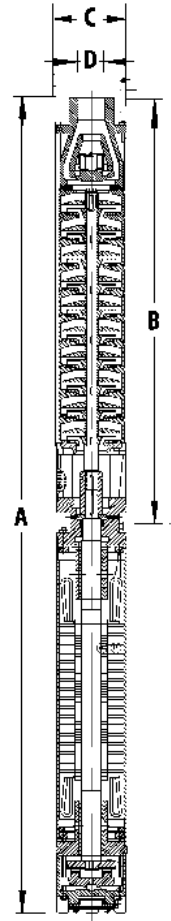
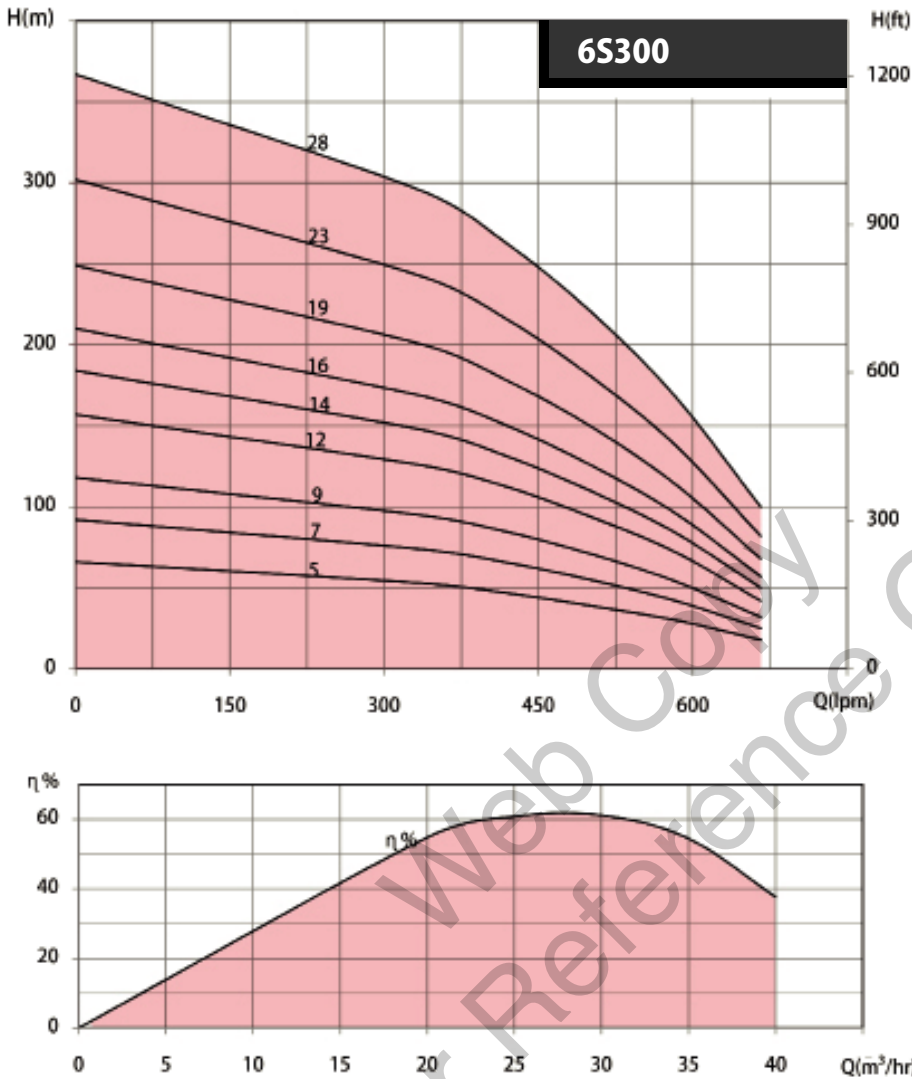
Product Code	HP	kW	Q - m³/hr	0	5.0	10.0	15.0	20.0	25.0	30.0	Dimension in mm				DNM
				Q - LPM	0	83	166	250	333	416	500	A	B	C	D
6S200/2	2.0	1.5	Total Head in Metres	23	22	21	19	17	12	6	926	361	142	2.5"	
6S200/3	3.0	2.2		33	32	31	29	26	18	10	971	406	142	2.5"	
6S200/4	4.0	3.0		44	42	41	38	34	24	13	1016	451	142	2.5"	
6S200/6	5.0	3.7		66	64	62	57	51	36	19	1136	541	142	2.5"	
6S200/8	7.5	5.5		88	84	82	76	68	54	29	1286	631	142	2.5"	
6S200/11	10.0	7.5		121	116	113	105	94	66	35	1491	766	142	2.5"	
6S200/13	12.5	9.3		145	130	136	125	111	78	41	1621	856	142	2.5"	
6S200/16	15.0	11.0		176	170	165	152	136	96	51	1786	991	142	2.5"	
6S200/19	17.5	13.2		209	201	196	181	162	114	61	1971	1126	142	2.5"	
6S200/22	20.0	15.0		242	231	227	209	187	132	70	2146	1261	142	2.5"	
6S200/27	25.0	19.0		297	285	278	257	230	162	86	2411	1486	142	2.5"	
6S200/32	30.0	22.0		352	341	330	304	272	192	102	2676	1711	142	2.5"	
6S200/38	35.0	26.5		418	401	391	361	323	228	122	2986	1981	142	2.5"	

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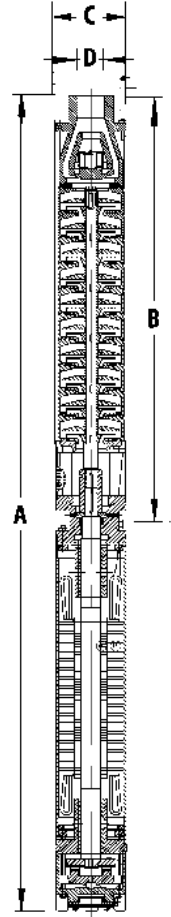
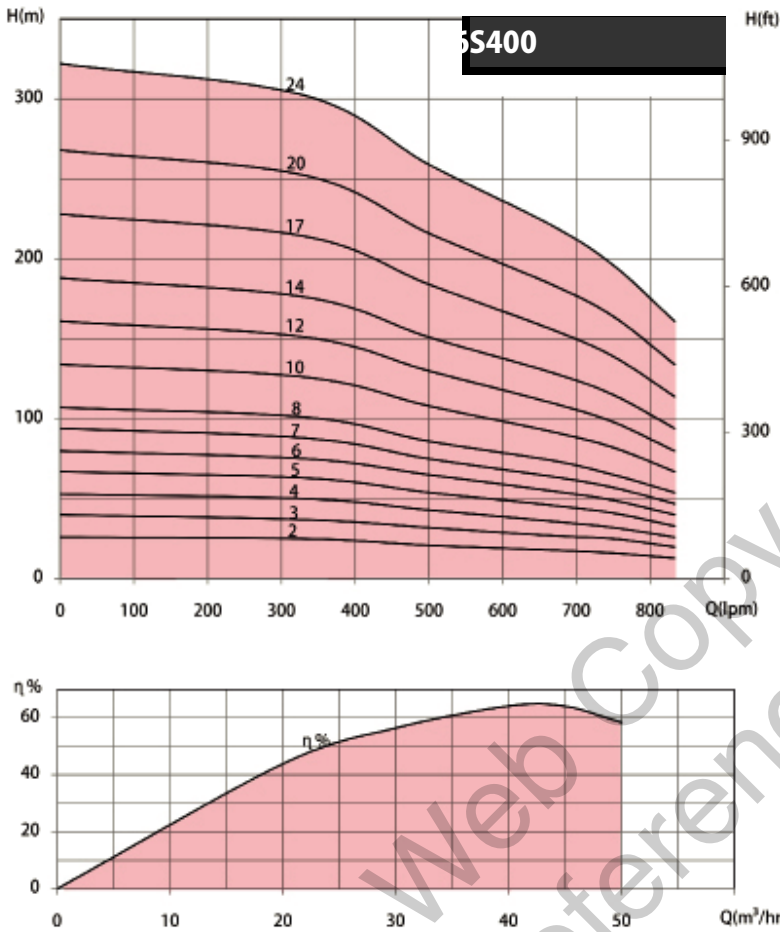


Hydraulic Performance & Dimensions

Product Code	HP	kW	Q - m³/hr	0	10.0	20.0	25.0	30.0	35.0	40.0	Dimension in mm				DNM
				Q - LPM	0	166	333	416	500	583	666	A	B	C	
6S300/5	7.5	5.5	Total Head in Metres	66	60	53	47	39	30	18	1406	751	142	3"	
6S300/7	10.0	7.5		92	82	74	66	55	42	25	1668	943	142	3"	
6S300/9	12.5	9.3		118	110	95	85	71	54	32	1900	1135	142	3"	
6S300/12	15.0	11.0		157	142	126	113	94	72	42	2218	1423	142	3"	
6S300/14	17.5	13.2		184	170	148	132	110	84	50	2460	1615	142	3"	
6S300/16	20.0	15.0		210	189	169	151	126	96	57	2692	1807	142	3"	
6S300/19	25.0	19.0		249	230	201	179	150	114	68	3020	2095	142	3"	
6S300/23	30.0	22.0		302	279	243	217	181	138	82	3444	2479	142	3"	
6S300/28	35.0	26.5		367	333	296	264	221	168	100	3964	2959	142	3"	

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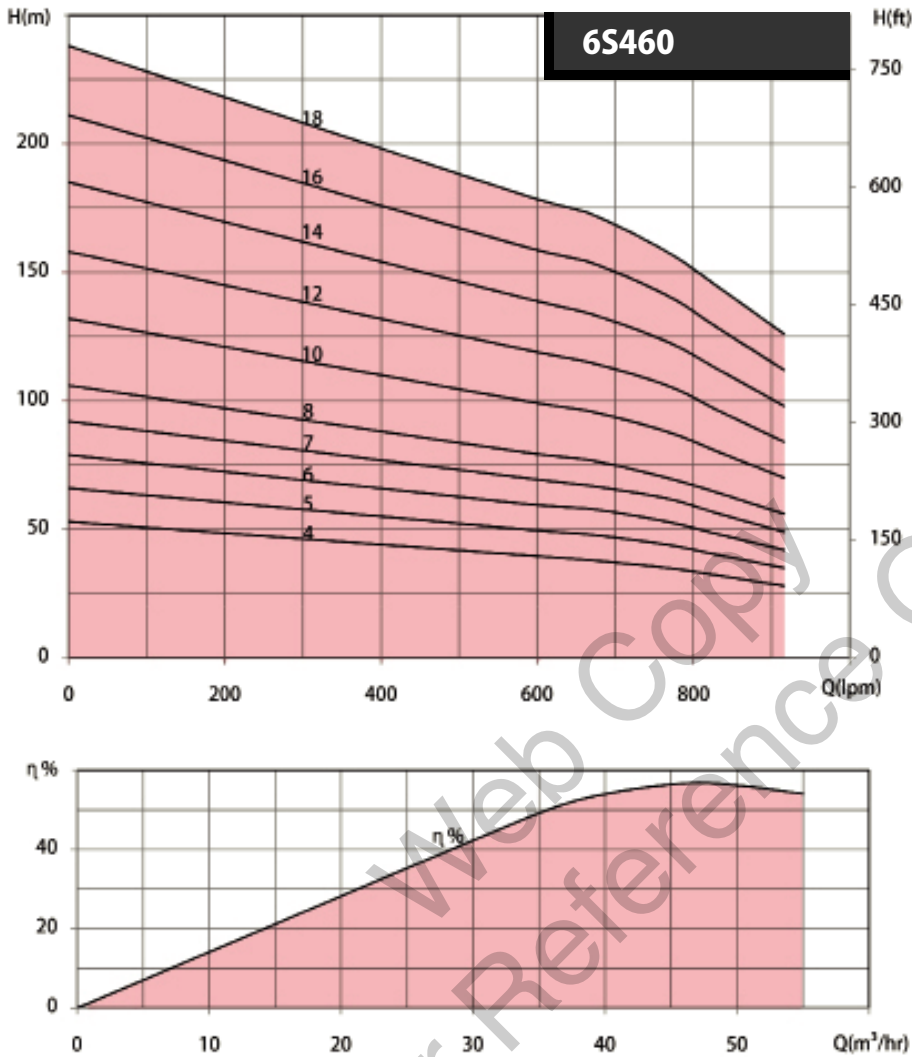
Product Code	HP	kW	Q - m³/hr	0	10.0	20.0	30.0	40.0	45.0	50.0	Dimension in mm				DNM
				Q - LPM	0	166	333	500	666	750	833	A	B	C	
6S400/2	4.0	3.0	Total Head in Metres	27	26	25	21	18	16	13	995	430	142	3"	
6S400/3	7.5	5.5		40	38	37	32	27	25	20	1165	510	142	3"	
6S400/4	10.0	7.5		53	51	50	43	36	32	26	1315	590	142	3"	
6S400/5	10.0	7.5		67	65	63	54	46	41	33	1395	670	142	3"	
6S400/6	12.5	9.3		80	77	75	65	55	49	40	1515	750	142	3"	
6S400/7	15.0	11.0		94	91	88	75	64	57	47	1625	830	142	3"	
6S400/8	17.5	13.2		107	104	101	86	74	65	54	1755	910	142	3"	
6S400/10	20.0	15.0		134	130	126	108	92	82	67	1955	1070	142	3"	
6S400/12	25.0	19.0		161	155	151	130	110	98	80	2155	1230	142	3"	
6S400/14	30.0	22.0		188	181	176	151	129	115	94	2355	1390	142	3"	
6S400/17	35.0	26.5		228	220	214	184	156	139	114	2635	1630	142	3"	
6S400/20	40.0	30.0		268	260	252	216	184	164	134	2920	1870	142	3"	
6S400/24	45.0	34.0		322	311	302	259	221	196	161	3290	2190	142	3"	

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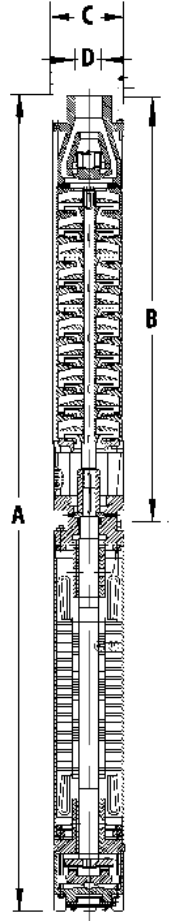
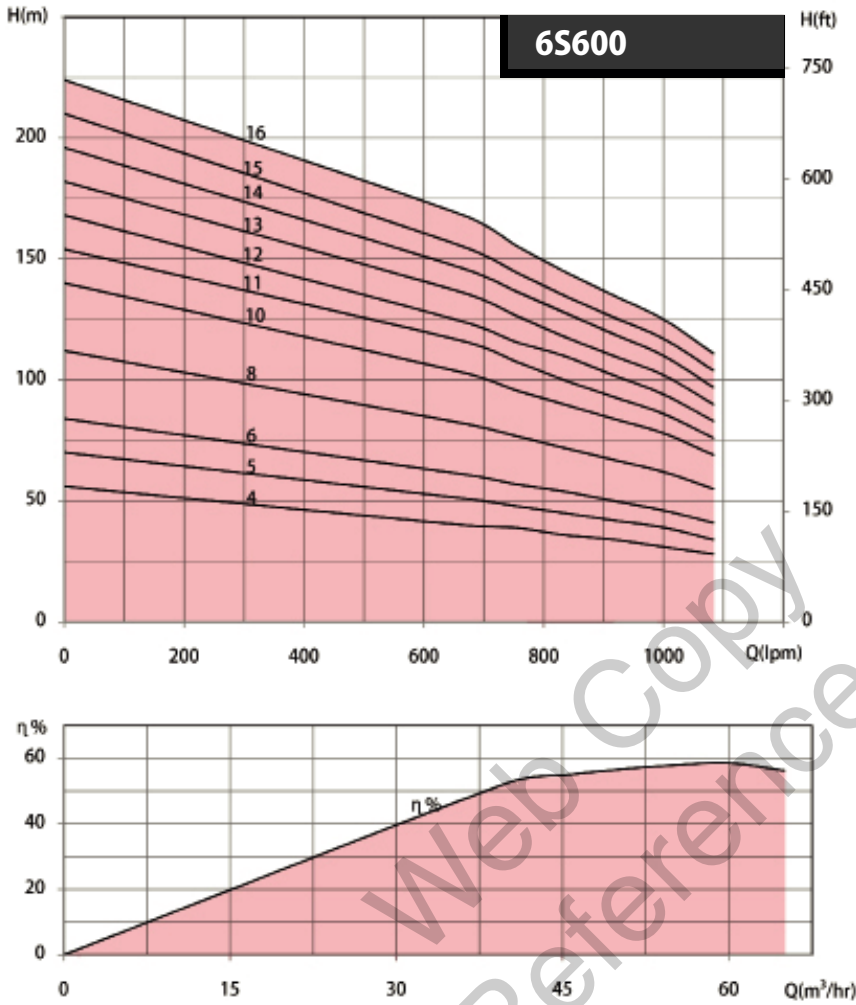
Product Code	HP	kW	Q - m ³ /hr	0	10.0	35.0	40.0	46.0	50.0	55.0	Dimension in mm				DNM
			Q - LPM	0	166	583	666	766	833	916	A	B	C	D	
6S460/4	10.0	7.5	Total Head in Metres	53	50	40	38	35	32	28	1448	723	142	3"	
6S460/5	10.0	7.5		66	62	50	48	44	40	35	1561	836	142	3"	
6S460/6	12.5	9.3		79	75	60	58	53	48	42	1714	949	142	3"	
6S460/7	15.0	11.0		92	87	70	67	62	56	49	1857	1062	142	3"	
6S460/8	17.5	13.2		106	100	80	77	70	64	56	2020	1175	142	3"	
6S460/10	20.0	15.0		132	123	100	96	88	80	70	2286	1401	142	3"	
6S460/12	25.0	19.0		158	149	120	115	106	96	84	2552	1627	142	3"	
6S460/14	30.0	20.0		185	174	140	134	123	112	98	2858	1853	142	3"	
6S460/16	35.0	26.5		211	198	160	154	141	128	112	3129	2079	142	3"	
6S460/18	40.0	30.0		238	225	180	173	158	144	126	3360	2305	142	3"	

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Product Code	HP	kW	Q - m³/hr	0	40.0	45.0	50.0	55.0	60.0	65.0	Dimension in mm			DNM
				Q - LPM	0	666	750	833	916	1000	1083	A	B	
6S600/4	10.0	7.5	Total Head in Metres	56	40	39	36	34	31	28	1448	723	142	3"
6S600/5	12.5	9.3		70	51	48	45	42	39	34	1601	836	142	3"
6S600/6	15.0	11.0		84	61	57	54	50	46	41	1744	949	142	3"
6S600/8	20.0	15.0		112	82	77	72	67	62	55	2060	1175	142	3"
6S600/9	25.0	19.0		126	93	87	81	75	70	62	2213	1288	142	3"
6S600/10	25.0	19.0		140	103	96	90	84	78	69	2326	1401	142	3"
6S600/11	30.0	20.0		154	116	108	100	93	86	76	2519	1514	142	3"
6S600/12	30.0	20.0		168	124	116	110	102	94	83	2632	1627	142	3"
6S600/13	35.0	26.5		182	136	127	118	110	102	90	2790	1740	142	3"
6S600/14	35.0	26.5		196	146	137	128	119	110	97	2903	1853	142	3"
6S600/15	35.0	26.5		210	155	145	135	126	117	104	3016	1966	142	3"
6S600/16	40.0	30.0		224	168	156	145	135	125	111	3179	2079	142	3"

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