

6VSP

Applications

For water supply from wells or reservoirs
For domestic use, for civil and industrial applications
For garden use and irrigation

Operating conditions

Maximum fluid temperature up to +50°C
Maximum sand content: 0.25%
Minimum well diameter: 6"

Motor and Pump

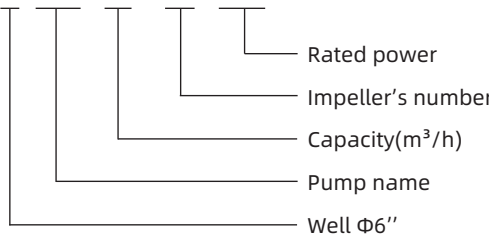
Rewindable motor
Three-phase: 380 - 415V/50Hz
①Direct start (1 cable)
②Star-delta start (2 cables)
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60Hz

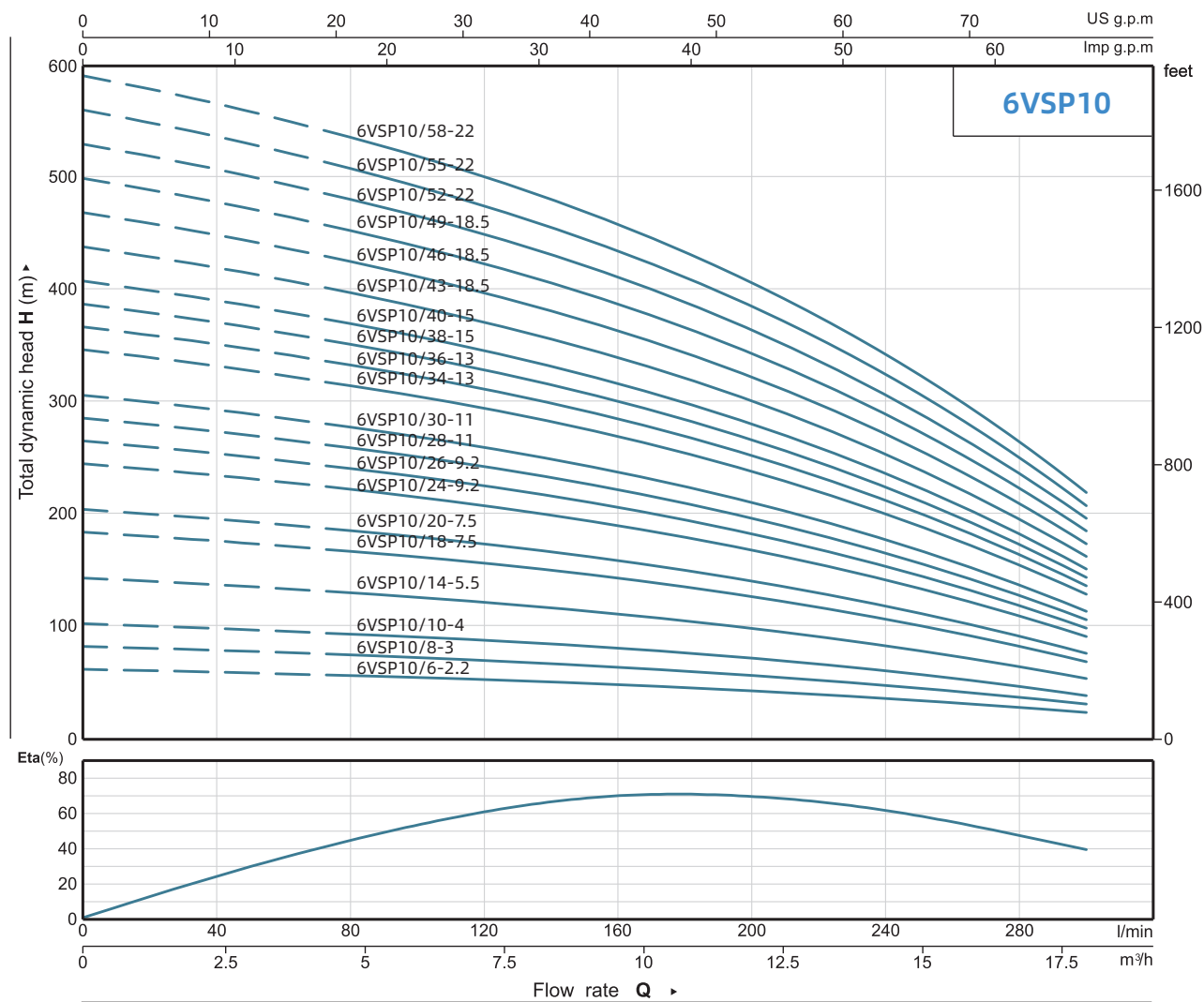


6 VSP 10 / 6 - 2.2



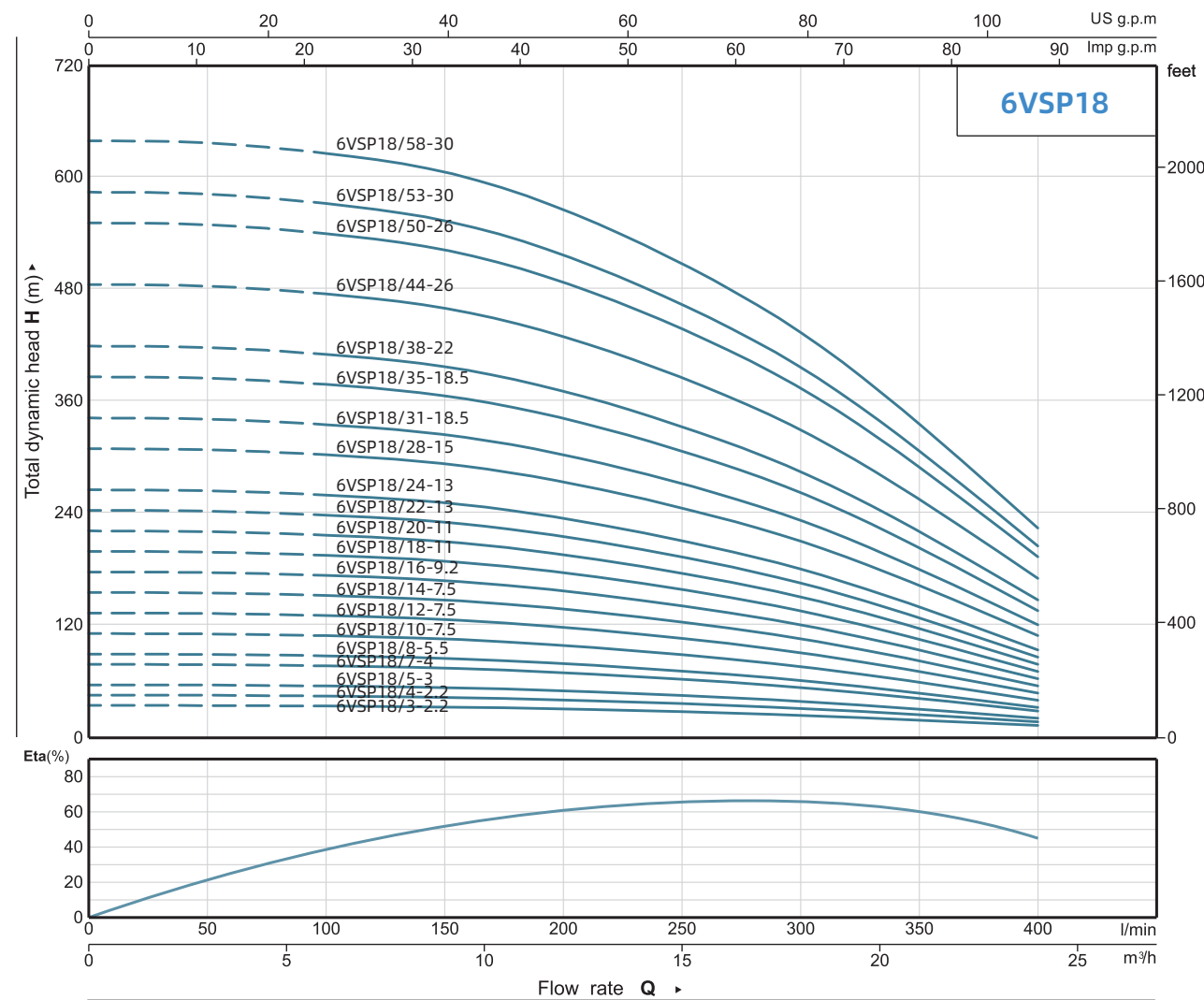
Components	Material
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	AISI 304 SS
Impeller	AISI 304 SS
Shaft	AISI 431 SS
Shaft coupling	AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top chock	Cast-iron ASTM N0.30
Bottom support	Cast-iron ASTM N0.30
Seal	NBR Graphite-SIC/TC
Shaft	AISI 304 SS-ASTM 5140





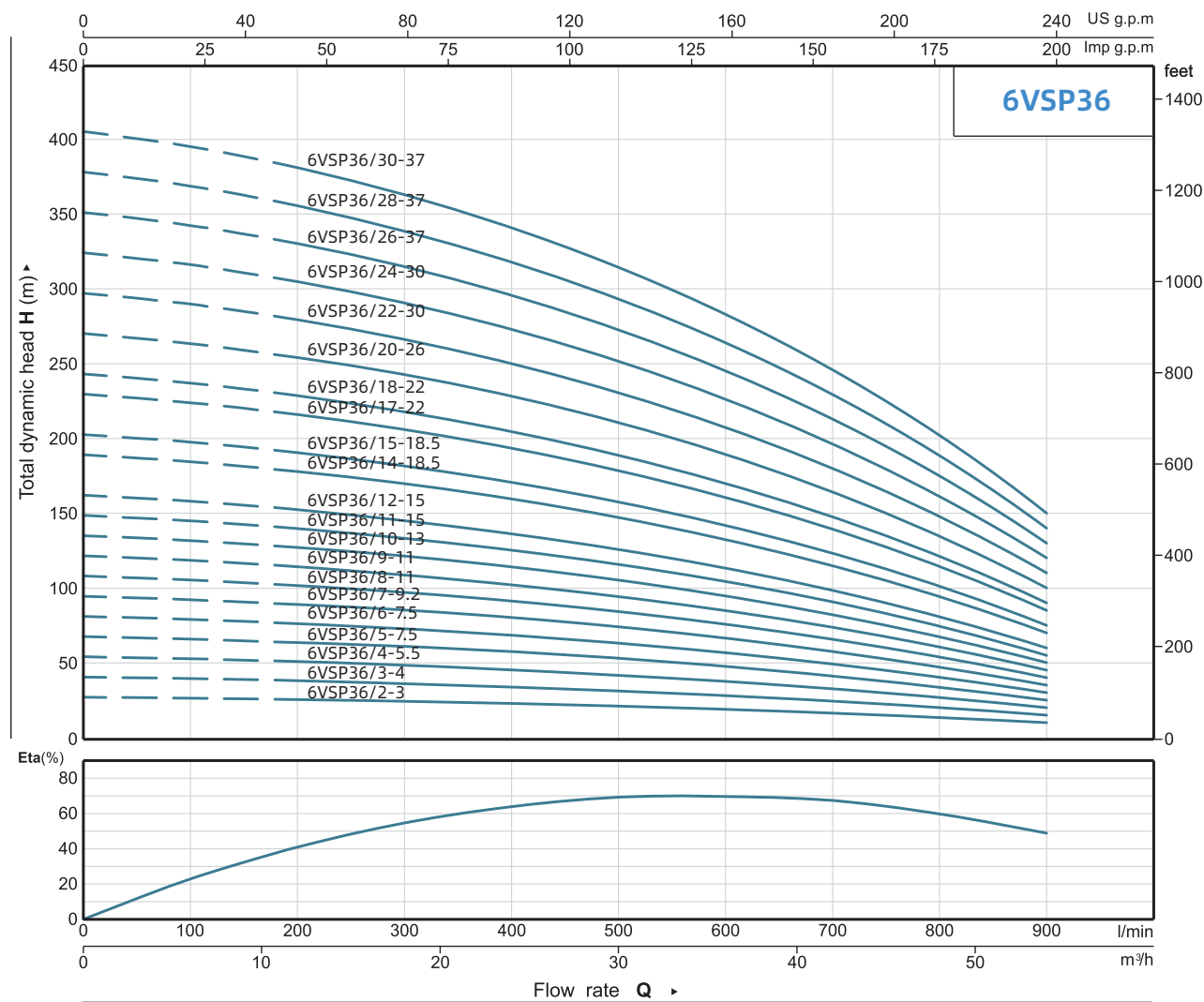
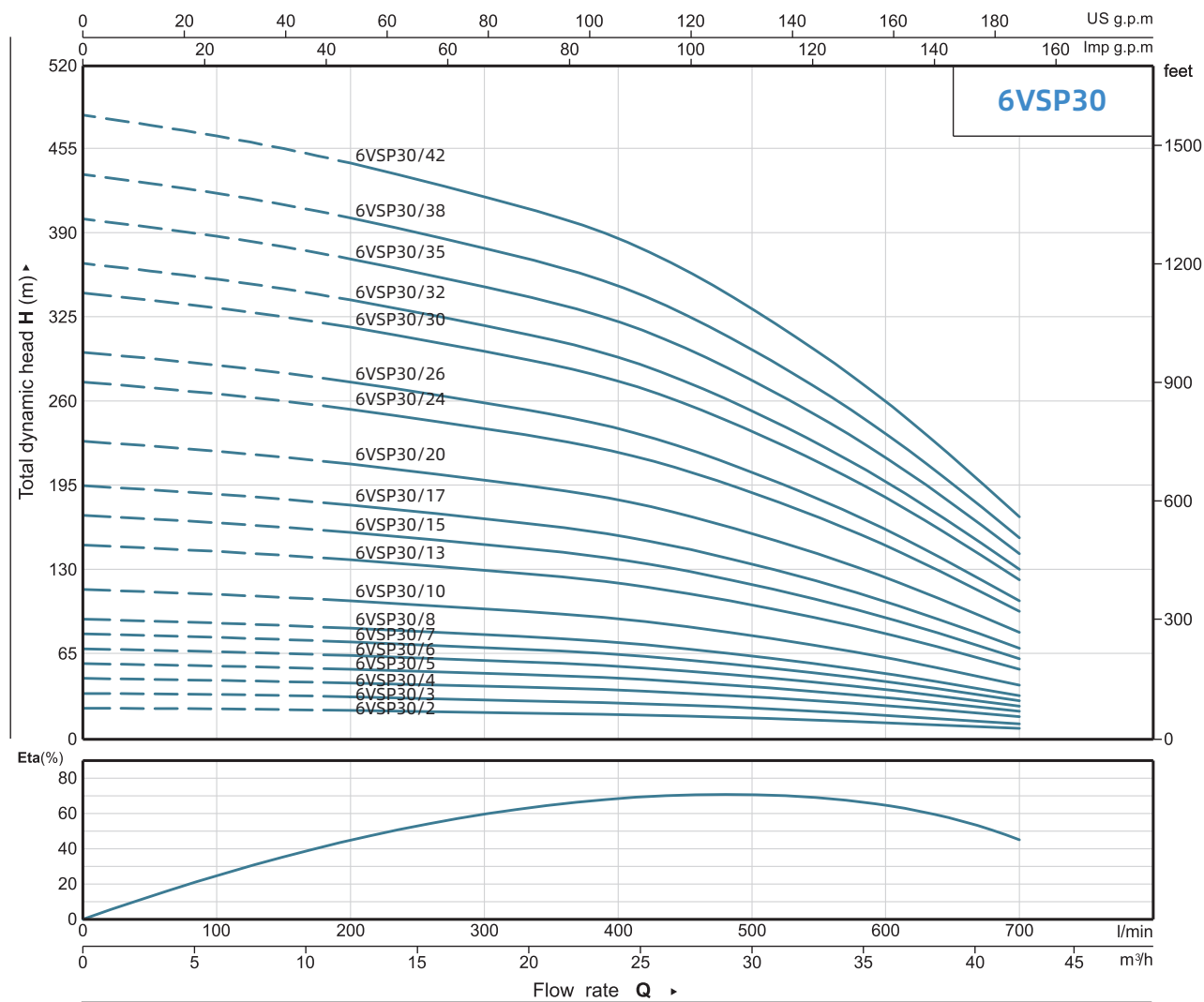
PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY									
	kW	HP	n≈2850 1/min									
			Q	0	2.4	4.8	7.2	9.6	12.0	14.4	16.8	18.0
3~ 380 - 415V			m³/h l/min	0	40	80	120	160	200	240	280	300
6VSP10/6-2.2	2.2	3	H(m)	61	58	55	52	47	42	35	27	23
6VSP10/8-3	3	4		81	78	74	69	63	56	47	36	30
6VSP10/10-4	4	5.5		102	97	92	86	79	70	59	46	38
6VSP10/14-5.5	5.5	7.5		142	136	129	121	110	98	83	64	53
6VSP10/18-7.5	7.5	10		183	175	166	155	142	126	106	82	68
6VSP10/20-7.5	7.5	10		203	195	184	172	158	140	118	91	75
6VSP10/24-9.2	9.2	12.5		244	234	221	207	189	168	142	109	90
6VSP10/26-9.2	9.2	12.5		264	253	240	224	205	182	154	118	98
6VSP10/28-11	11	15		285	273	258	241	221	196	166	127	105
6VSP10/30-11	11	15		305	292	277	259	236	209	177	138	113
6VSP10/34-13	13	17.5		346	331	314	293	268	237	201	155	128
6VSP10/36-13	13	17.5		366	351	332	310	284	251	213	164	135
6VSP10/38-15	15	20		387	371	351	328	299	265	225	173	143
6VSP10/40-15	15	20		407	390	369	345	315	279	237	182	150
6VSP10/43-18.5	18.5	25		437	419	397	371	339	300	254	196	162
6VSP10/46-18.5	18.5	25		468	448	424	397	362	321	272	209	173
6VSP10/49-18.5	18.5	25		498	477	452	422	386	342	290	223	184
6VSP10/52-22	22	30		529	507	480	448	410	363	308	237	195
6VSP10/55-22	22	30		559	536	507	474	433	384	325	250	207
6VSP10/58-22	22	30		590	565	535	500	457	405	343	264	218



PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY									
	kW	HP	n≈2850 1/min									
			Q	0	3	6	9	12	15	18	21	24
3~ 380 - 415V			m³/h l/min	0	50	100	150	200	250	300	350	400
6VSP18/3-2.2	2.2	3	H(m)	33	33	32	31	29	26	22	17	12
6VSP18/4-2.2	2.2	3		44	44	43	42	39	35	30	23	15
6VSP18/5-3	3	4		55	55	54	52	49	44	37	29	19
6VSP18/7-4	4	5.5		77	77	75	73	68	61	52	40	27
6VSP18/8-5.5	5.5	7.5		88	88	86	83	78	70	60	46	31
6VSP18/10-7.5	5.5	7.5		110	110	108	104	97	87	75	58	38
6VSP18/12-7.5	7.5	10		132	132	129	125	117	105	90	69	46
6VSP18/14-7.5	7.5	10		154	153	151	146	136	122	105	81	54
6VSP18/16-9.2	9.2	12.5		176	175	172	167	156	140	120	92	61
6VSP18/18-11	11	15		198	197	194	188	175	157	134	104	69
6VSP18/20-11	11	15		220	219	215	209	195	175	149	115	77
6VSP18/22-13	13	17.5		242	241	237	229	214	192	164	127	85
6VSP18/24-13	13	17.5		264	263	258	250	233	209	179	138	92
6VSP18/28-15	15	20		308	307	301	292	272	244	209	161	108
6VSP18/31-18.5	18.5	25		341	340	334	323	301	270	232	179	119
6VSP18/35-18.5	18.5	25		385	384	377	365	340	305	261	202	135
6VSP18/38-22	22	30		418	417	409	396	370	332	284	219	146
6VSP18/44-26	26	35		484	482	474	459	428	384	329	254	169
6VSP18/50-26	26	35		550	548	538	522	486	436	374	288	192
6VSP18/53-30	30	40		583	581	571	553	515	462	396	306	204
6VSP18/58-30	30	40		638	636	624	605	564	506	433	334	223

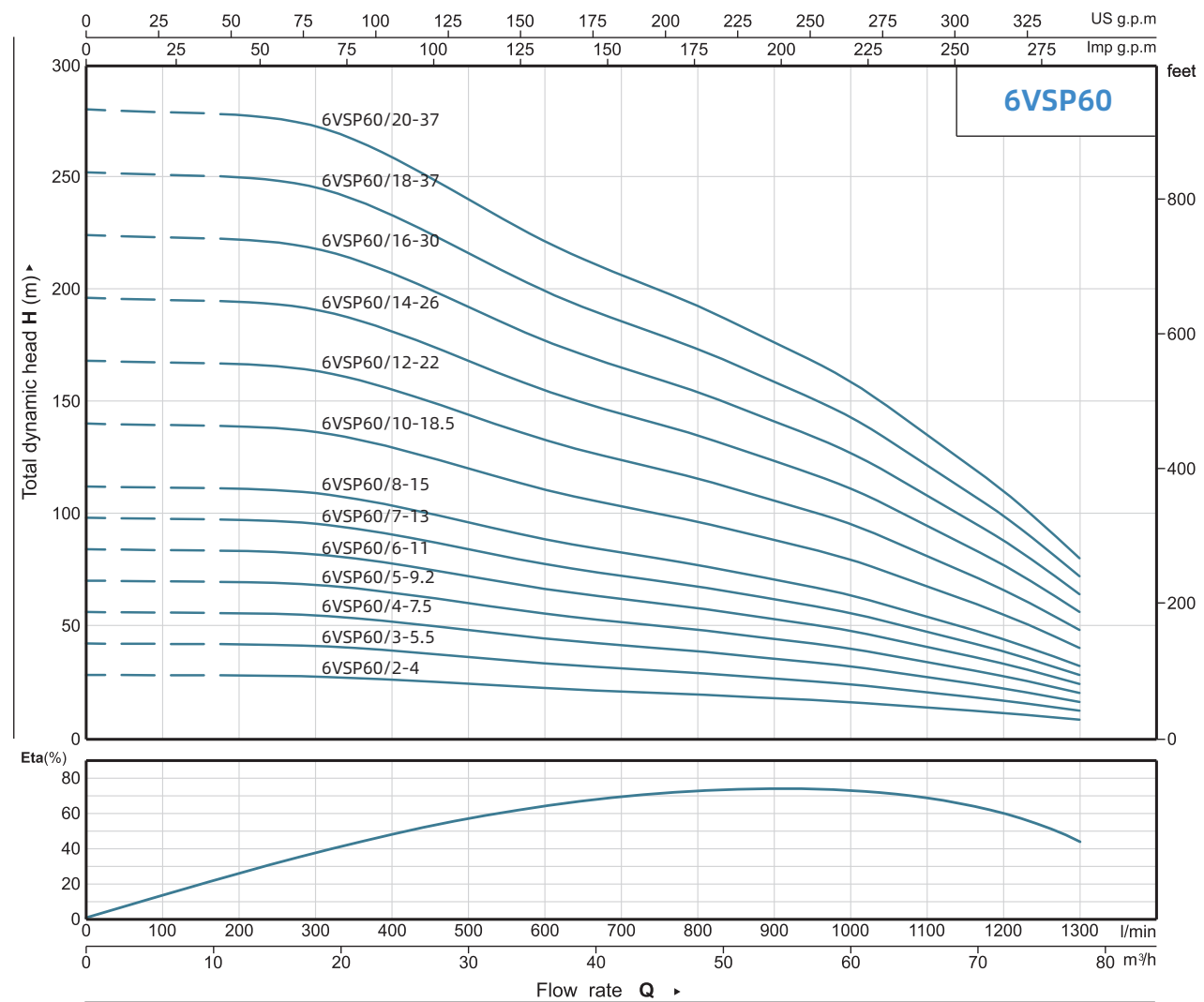
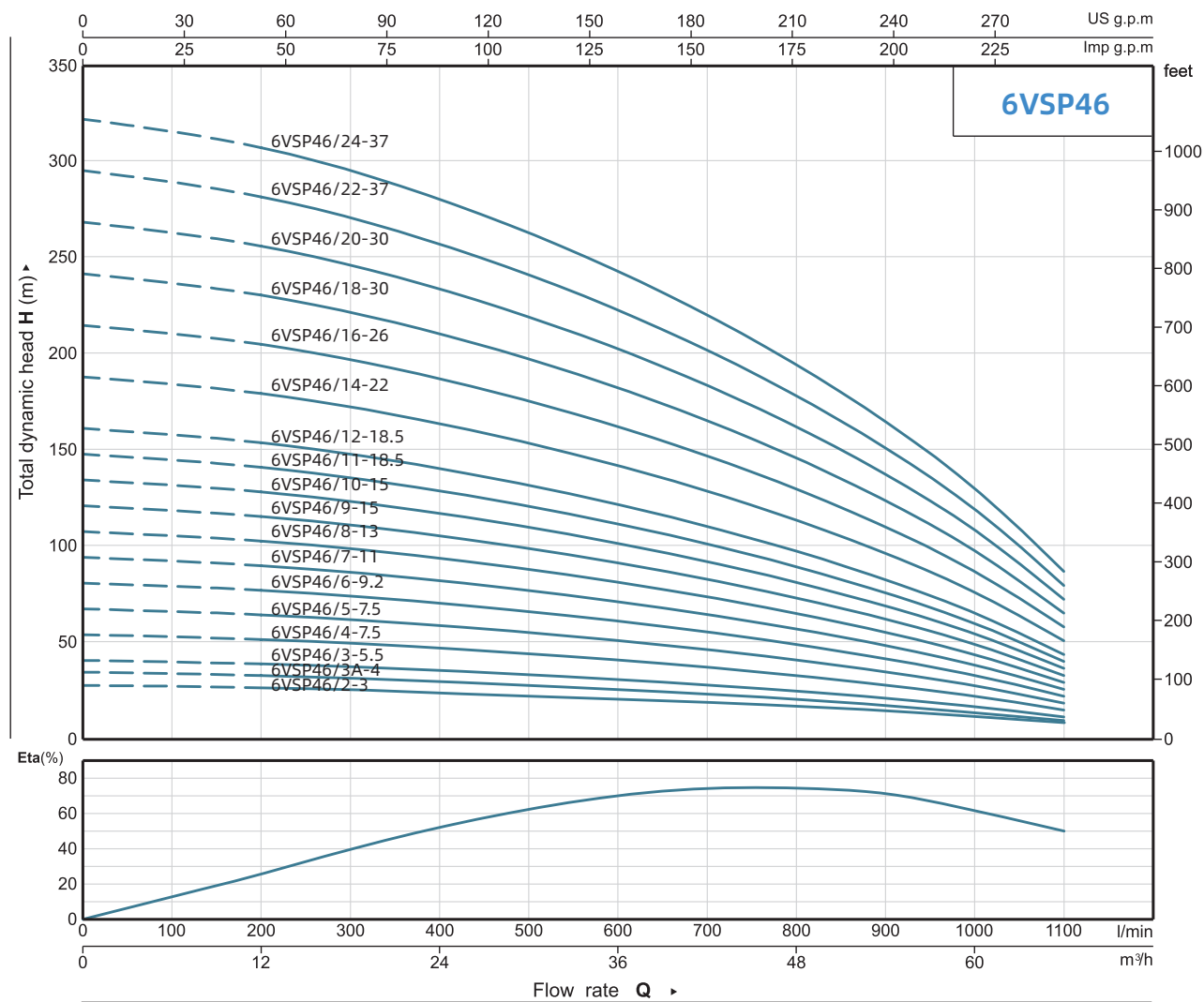


PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY								
	kW	HP	n≈2850 1/min								
			Q	0	6	12	18	24	30	36	42
3~ 380 - 415V			m³/h l/min	0	100	200	300	400	500	600	700
6VSP30/2-2.2	2.2	3	H(m)	23	22	21	19	18	15	11	7
6VSP30/3-3	3	4		34	33	31	29	27	23	17	11
6VSP30/4-4	4	5.5		46	44	42	39	36	31	23	14
6VSP30/5-5.5	5.5	7.5		57	56	53	48	44	38	29	18
6VSP30/6-5.5	5.5	7.5		68	57	63	58	53	46	34	21
6VSP30/7-7.5	7.5	10		80	78	74	68	62	54	40	25
6VSP30/8-7.5	7.5	10		91	89	84	77	71	61	46	28
6VSP30/10-9.2	9.2	12.5		114	111	105	96	89	76	57	35
6VSP30/13-11	11	15		148	145	137	125	115	99	75	46
6VSP30/15-13	13	17.5		171	167	158	145	133	115	86	53
6VSP30/17-15	15	20		194	189	179	164	151	130	97	60
6VSP30/20-18.5	18.5	25		228	222	210	193	178	153	115	71
6VSP30/24-22	22	30		273	267	252	232	213	184	138	85
6VSP30/26-26	26	35		296	289	273	251	231	199	149	92
6VSP30/30-26	26	35		341	334	315	289	266	229	172	106
6VSP30/32-30	30	40		364	356	336	309	284	245	184	113
6VSP30/35-30	30	40		398	389	368	338	311	268	201	124
6VSP30/38-37	37	50		433	422	399	367	338	291	218	134
6VSP30/42-37	37	50		478	467	441	405	373	321	241	148

PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY												
3~ 380 - 415V	kW	HP	Q	n≈2850 1/min											
				m³/h l/min	0	6	12	18	24	30	36	42	48	54	
6VSP36/2-3	3	4	H(m)	0	100	200	300	400	500	600	700	800	900		
6VSP36/3-4	4	5.5		27	26	25	24	23	21	19	16	14	10		
6VSP36/4-5.5	5.5	7.5		41	39	38	36	34	31	28	25	20	15		
6VSP36/5-7.5	7.5	10		54	53	51	48	45	42	38	33	27	20		
6VSP36/6-7.5	7.5	10		68	66	63	60	57	52	47	41	34	25		
6VSP36/7-9.2	9.2	12.5		81	79	76	73	68	62	56	49	41	30		
6VSP36/8-11	11	15		95	92	89	85	80	73	66	58	48	35		
6VSP36/9-11	11	15		108	105	102	97	91	83	75	66	54	40		
6VSP36/10-13	13	17.5		122	119	114	109	102	94	85	74	61	45		
6VSP36/11-15	15	20		135	132	127	121	114	104	94	82	68	50		
6VSP36/12-15	15	20		149	145	140	133	125	114	103	91	75	55		
6VSP36/14-18.5	18.5	25		162	158	152	145	136	125	113	99	82	60		
6VSP36/15-18.5	18.5	25		189	184	178	169	159	146	132	115	95	70		
6VSP36/17-22	22	30		203	198	190	181	170	156	141	123	102	75		
6VSP36/18-22	22	30		230	224	216	206	193	177	160	140	116	85		
6VSP36/20-26	26	35		243	237	229	218	205	187	169	148	122	90		
6VSP36/22-30	30	40		270	263	254	242	227	208	188	165	136	100		
6VSP36/24-30	30	40		297	290	279	266	250	229	207	181	150	110		
6VSP36/26-37	37	50		324	316	305	290	273	250	226	198	163	120		
6VSP36/26-37	37	50		351	342	330	315	296	270	244	214	177	130		
6VSP36/30-37	37	50		378	369	356	339	318	291	263	231	190	140		
				405	395	381	363	341	312	282	247	204	150		



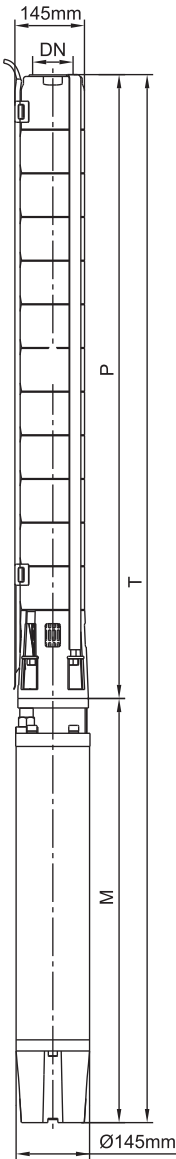
PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY n≈2850 1/min													
3~ 380 - 415V	kW	HP	Q	m³/h l/min	0	6	12	18	24	30	36	42	48	54	60	66
6VSP46/2-3	3	4	H(m)	0	100	200	300	400	500	600	700	800	900	1000	1100	
6VSP46/3A-4	4	5.5		27	26	26	25	23	22	20	18	16	14	11	7	
6VSP46/3-5.5	5.5	7.5		35	34	32	31	29	26	25	22	20	16	13	9	
6VSP46/4-7.5	7.5	10		40	39	38	37	35	32	30	27	24	21	16	11	
6VSP46/5-7.5	7.5	10		54	52	51	49	46	43	40	36	32	28	22	14	
6VSP46/6-9.2	9.2	12.5		67	65	64	61	58	54	50	45	40	34	27	18	
6VSP46/7-11	11	15		80	79	77	74	70	65	60	55	49	41	32	22	
6VSP46/8-13	13	17.5		94	92	90	86	81	76	70	64	57	48	38	25	
6VSP46/9-15	15	20		107	105	102	98	93	86	80	73	65	55	43	29	
6VSP46/10-15	15	20		121	118	115	111	104	97	90	82	73	62	49	32	
6VSP46/11-18.5	18.5	25		134	131	128	123	116	108	100	91	81	69	54	36	
6VSP46/12-18.5	18.5	25		147	144	141	135	128	119	110	100	89	76	59	40	
6VSP46/14-22	22	30		161	157	154	148	139	130	120	109	97	83	65	43	
6VSP46/16-26	26	35		188	183	179	172	162	151	140	127	113	97	76	50	
6VSP46/18-30	30	40		214	210	205	197	186	173	160	146	130	110	86	58	
6VSP46/20-30	30	40		241	236	230	221	209	194	180	164	146	124	97	65	
6VSP46/22-37	37	50	268	262	256	246	232	216	200	182	162	138	108	72		
6VSP46/24-37	37	50	295	288	281	270	255	237	220	200	178	152	119	79		
			322	314	307	295	278	259	240	218	194	166	130	86		

PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY n≈2850 1/min															
	kW	HP	Q	m³/h														
				0	6	12	18	24	30	36	42	48	54	60	66	72	78	
3~ 380 - 415V				0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	
6VSP60/2-4	4	5.5	H(m)	28	28	28	27	26	24	22	21	19	18	16	14	11	8	
6VSP60/3-5.5	5.5	7.5		42	42	42	41	39	36	33	31	29	26	23	20	16	11	
6VSP60/4-7.5	7.5	10		56	56	56	55	52	48	44	41	38	35	31	26	21	15	
6VSP60/5-9.2	9.2	12.5		70	70	69	68	65	60	55	52	48	44	39	33	26	18	
6VSP60/6-11	11	15		84	84	83	82	78	72	66	62	58	53	47	40	31	22	
6VSP60/7-13	13	17.5		98	98	97	95	91	84	77	72	67	62	55	46	36	25	
6VSP60/8-15	15	20		112	112	111	109	104	96	89	83	77	71	63	53	42	29	
6VSP60/10-18.5	18.5	25		140	139	139	136	129	120	111	103	96	88	78	66	52	36	
6VSP60/12-22	22	30		168	167	167	164	155	144	133	124	116	106	94	80	62	44	
6VSP60/14-26	26	35		196	195	194	191	181	168	155	144	135	123	109	93	73	51	
6VSP60/16-30	30	40		224	223	222	218	207	192	177	165	154	141	125	106	83	58	
6VSP60/18-37	37	50		252	251	250	245	233	216	199	186	173	159	141	119	93	65	
6VSP60/20-37	37	50		280	279	278	273	259	240	221	206	193	176	159	135	110	80	

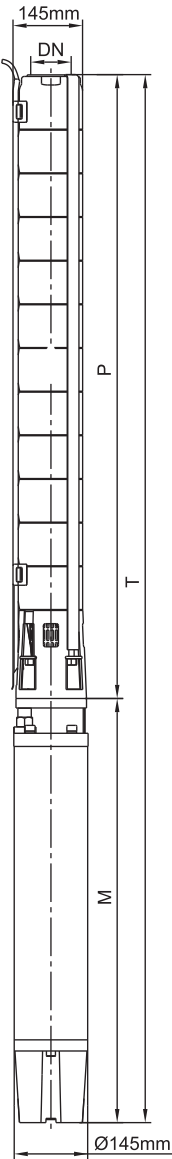
DIMENSION AND WEIGHT



MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(T)	T(T)	P	M(T)	T(T)
3~ 380 - 415V							
6VSP10/6-2.2	3"	602	454	1056	9.8	28.0	37.8
6VSP10/8-3	3"	712	489	1201	12.3	30.1	42.4
6VSP10/10-4	3"	822	524	1346	14.8	33.7	48.5
6VSP10/14-5.5	3"	1042	574	1616	19.7	39.9	59.6
6VSP10/18-7.5	3"	1262	639	1901	24.6	47.6	72.2
6VSP10/20-7.5	3"	1372	639	2011	27.1	47.6	74.7
6VSP10/24-9.2	3"	1592	699	2291	32.8	54.8	87.6
6VSP10/26-9.2	3"	1702	699	2401	35.7	54.8	90.5
6VSP10/28-11	3"	1812	764	2576	38.6	62.6	101.2
6VSP10/30-11	3"	1922	764	2686	41.5	62.6	104.1
6VSP10/34-13	3"	2142	824	2966	47.2	70.1	117.3
6VSP10/36-13	3"	2252	824	3076	50.1	70.1	120.2
6VSP10/38-15	3"	2362	884	3246	52.9	77.2	130.1
6VSP10/40-15	3"	2472	884	3356	55.8	77.2	133.0
6VSP10/43-18.5	3"	2637	909	3546	60.1	80.3	140.4
6VSP10/46-18.5	3"	2802	909	3711	64.4	80.3	144.7
6VSP10/49-18.5	3"	2967	909	3876	68.7	80.3	149.0
6VSP10/52-22	3"	3132	984	4116	73.0	89.5	162.5
6VSP10/55-22	3"	3297	984	4281	77.3	89.5	166.8
6VSP10/58-22	3"	3462	984	4446	81.6	89.5	171.1

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(T)	T(T)	P	M(T)	T(T)
3~ 380 - 415V							
6VSP18/3-2.2	3"	451	454	905	6.1	28.0	34.1
6VSP18/4-2.2	3"	492	454	946	7.3	28.0	35.3
6VSP18/5-3	3"	547	489	1036	8.6	30.1	38.7
6VSP18/7-4	3"	656	524	1180	11.0	33.7	44.7
6VSP18/8-5.5	3"	710	574	1284	12.3	39.9	52.2
6VSP18/10-7.5	3"	822	574	1396	14.8	39.9	54.7
6VSP18/12-7.5	3"	932	639	1571	17.6	47.6	65.2
6VSP18/14-7.5	3"	1042	639	1681	19.7	47.6	67.3
6VSP18/16-9.2	3"	1152	699	1851	22.2	54.8	77.0
6VSP18/18-11	3"	1262	764	2026	24.6	62.6	87.2
6VSP18/20-11	3"	1372	764	2136	27.1	62.6	89.7
6VSP18/22-13	3"	1482	824	2306	30.0	70.1	100.1
6VSP18/24-13	3"	1592	824	2416	32.8	70.1	102.9
6VSP18/28-15	3"	1812	884	2696	38.6	77.2	115.8
6VSP18/31-18.5	3"	1978	909	2887	42.9	80.3	123.2
6VSP18/35-18.5	3"	2198	909	3107	48.6	80.3	128.9
6VSP18/38-22	3"	2363	984	3347	52.9	89.5	142.4
6VSP18/44-26	3"	2692	1059	3751	61.5	99.2	160.7
6VSP18/50-26	3"	3022	1059	4081	70.2	99.2	169.4
6VSP18/53-30	3"	3186	1134	4320	74.5	107.8	182.3
6VSP18/58-30	3"	3462	1134	4596	81.6	107.8	189.4

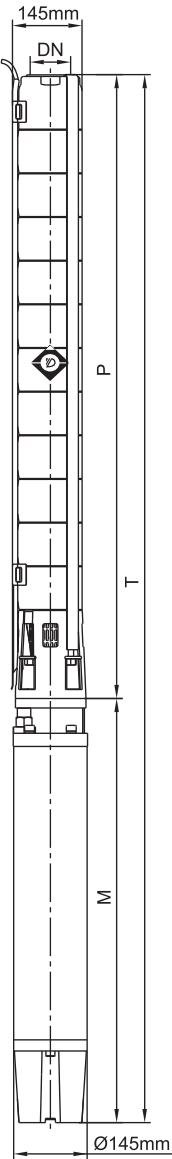
DIMENSION AND WEIGHT



MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(T)	T(T)	P	M(T)	T(T)
3~ 380 - 415V							
6VSP30/2-2.2	3"/4"	464	454	918	7.5	28.0	35.5
6VSP30/3-3	3"/4"	560	489	1049	9.3	30.1	39.4
6VSP30/4-4	3"/4"	656	524	1180	11.1	33.7	44.8
6VSP30/5-5.5	3"/4"	752	574	1326	12.9	39.9	52.8
6VSP30/6-5.5	3"/4"	848	574	1422	14.7	39.9	54.6
6VSP30/7-7.5	3"/4"	944	639	1583	16.5	47.6	64.1
6VSP30/8-7.5	3"/4"	1040	639	1679	18.3	47.6	65.9
6VSP30/10-9.2	3"/4"	1232	699	1931	22.1	54.8	76.9
6VSP30/13-11	3"/4"	1520	764	2284	28.1	62.6	90.7
6VSP30/15-13	3"/4"	1712	824	2536	32.1	70.1	102.2
6VSP30/17-15	3"/4"	1904	884	2788	36.1	77.2	113.3
6VSP30/20-18.5	3"/4"	2192	909	3101	42.5	80.3	122.8
6VSP30/24-22	3"/4"	2576	984	3560	51.3	89.5	140.8
6VSP30/26-26	3"/4"	2768	1059	3827	55.9	99.2	155.1
6VSP30/30-26	3"/4"	3152	1059	4211	63.7	99.2	162.9
6VSP30/32-30	3"/4"	3344	1134	4478	67.7	107.8	175.5
6VSP30/35-30	3"/4"	3536	1134	4670	73.7	107.8	181.5
6VSP30/38-37	3"/4"	3632	1208	4840	80.1	117.3	197.4
6VSP30/42-37	3"/4"	4016	1208	5224	86.1	117.3	203.4

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(T)	T(T)	P	M(T)	T(T)
3~ 380 - 415V							
6VSP36/2-3	3"/4"	464	489	953	7.5	30.1	37.6
6VSP36/3-4	3"/4"	560	524	1084	9.3	33.7	43.0
6VSP36/4-5.5	3"/4"	656	574	1230	11.1	39.9	51.0
6VSP36/5-7.5	3"/4"	752	639	1391	12.9	47.6	60.5
6VSP36/6-7.5	3"/4"	848	639	1487	14.7	47.6	62.3
6VSP36/7-9.2	3"/4"	944	699	1643	16.5	54.8	71.3
6VSP36/8-11	3"/4"	1040	764	1804	18.3	62.6	80.9
6VSP36/9-11	3"/4"	1136	764	1900	20.1	62.6	82.7
6VSP36/10-13	3"/4"	1232	824	2056	22.1	70.1	92.2
6VSP36/11-15	3"/4"	1328	884	2212	24.1	77.2	101.3
6VSP36/12-15	3"/4"	1424	884	2308	26.1	77.2	103.3
6VSP36/14-18.5	3"/4"	1616	909	2525	30.1	80.3	110.4
6VSP36/15-18.5	3"/4"	1712	909	2621	32.1	80.3	112.4
6VSP36/17-22	3"/4"	1904	984	2888	36.1	89.5	125.6
6VSP36/18-22	3"/4"	2000	984	2984	38.1	89.5	127.6
6VSP36/20-26	3"/4"	2192	1059	3251	42.5	99.2	141.7
6VSP36/22-30	3"/4"	2384	1134	3518	46.9	107.8	154.7
6VSP36/24-30	3"/4"	2576	1134	3710	51.3	107.8	159.1
6VSP36/26-37	3"/4"	2768	1208	3976	55.7	117.3	173.0
6VSP36/30-37	3"/4"	3152	1208	4360	68.9	117.3	186.2

DIMENSION AND WEIGHT



MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(T)	T(T)	P	M(T)	T(T)
3~ 380 - 415V							
6VSP46/2-3	3"/4"	498	489	987	8.6	30.1	38.7
6VSP46/3A-4	3"/4"	611	524	1135	10.6	33.7	44.3
6VSP46/3-5.5	3"/4"	611	574	1185	10.6	39.9	50.5
6VSP46/4-7.5	3"/4"	724	639	1363	12.6	47.6	60.2
6VSP46/5-7.5	3"/4"	837	639	1476	14.6	47.6	62.2
6VSP46/6-9.2	3"/4"	950	699	1649	16.6	54.8	71.4
6VSP46/7-11	3"/4"	1063	764	1767	18.6	62.6	81.2
6VSP46/8-13	3"/4"	1176	824	2000	20.8	70.1	90.9
6VSP46/9-15	3"/4"	1289	884	2173	23.0	77.2	100.2
6VSP46/10-15	3"/4"	1402	884	2286	25.2	77.2	102.4
6VSP46/11-18.5	3"/4"	1515	909	2424	27.4	80.3	107.7
6VSP46/12-18.5	3"/4"	1628	909	2537	29.6	80.3	109.9
6VSP46/14-22	3"/4"	1854	984	2838	34.0	89.5	123.5
6VSP46/16-26	3"/4"	2080	1059	3139	38.4	99.2	137.6
6VSP46/18-30	3"/4"	2306	1134	3440	40.6	107.8	148.4
6VSP46/20-30	3"/4"	2532	1134	3666	42.8	107.8	150.6
6VSP46/22-37	3"/4"	2758	1208	3966	47.2	117.3	164.5
6VSP46/24-37	3"/4"	2984	1208	4192	51.6	117.3	168.9

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(T)	T(T)	P	M(T)	T(T)
3~ 380 - 415V							
6VSP60/2-4	3"/4"	498	524	1022	8.6	33.7	42.3
6VSP60/3-5.5	3"/4"	611	574	1185	10.6	39.9	50.5
6VSP60/4-7.5	3"/4"	724	639	1363	12.6	47.6	60.2
6VSP60/5-9.2	3"/4"	837	699	1536	14.6	54.8	69.4
6VSP60/6-11	3"/4"	950	764	1714	16.6	62.6	79.2
6VSP60/7-13	3"/4"	1063	824	1887	18.6	70.1	88.7
6VSP60/8-15	3"/4"	1176	884	2060	20.8	77.2	98.0
6VSP60/10-18.5	3"/4"	1420	909	2329	25.2	80.3	105.5
6VSP60/12-22	3"/4"	1628	984	2612	29.6	89.5	119.1
6VSP60/14-26	3"/4"	1854	1059	2913	34.0	99.2	133.2
6VSP60/16-30	3"/4"	2080	1134	3214	38.4	107.8	146.2
6VSP60/18-37	3"/4"	2306	1208	3514	42.8	117.3	160.1
6VSP60/20-37	3"/4"	2532	1208	3740	45.0	117.3	162.3