

4VSD/4VSE/4VSS/4VSA

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 +35°C
Maximum sand content: 0.25%
Minimum well diameter: 4"

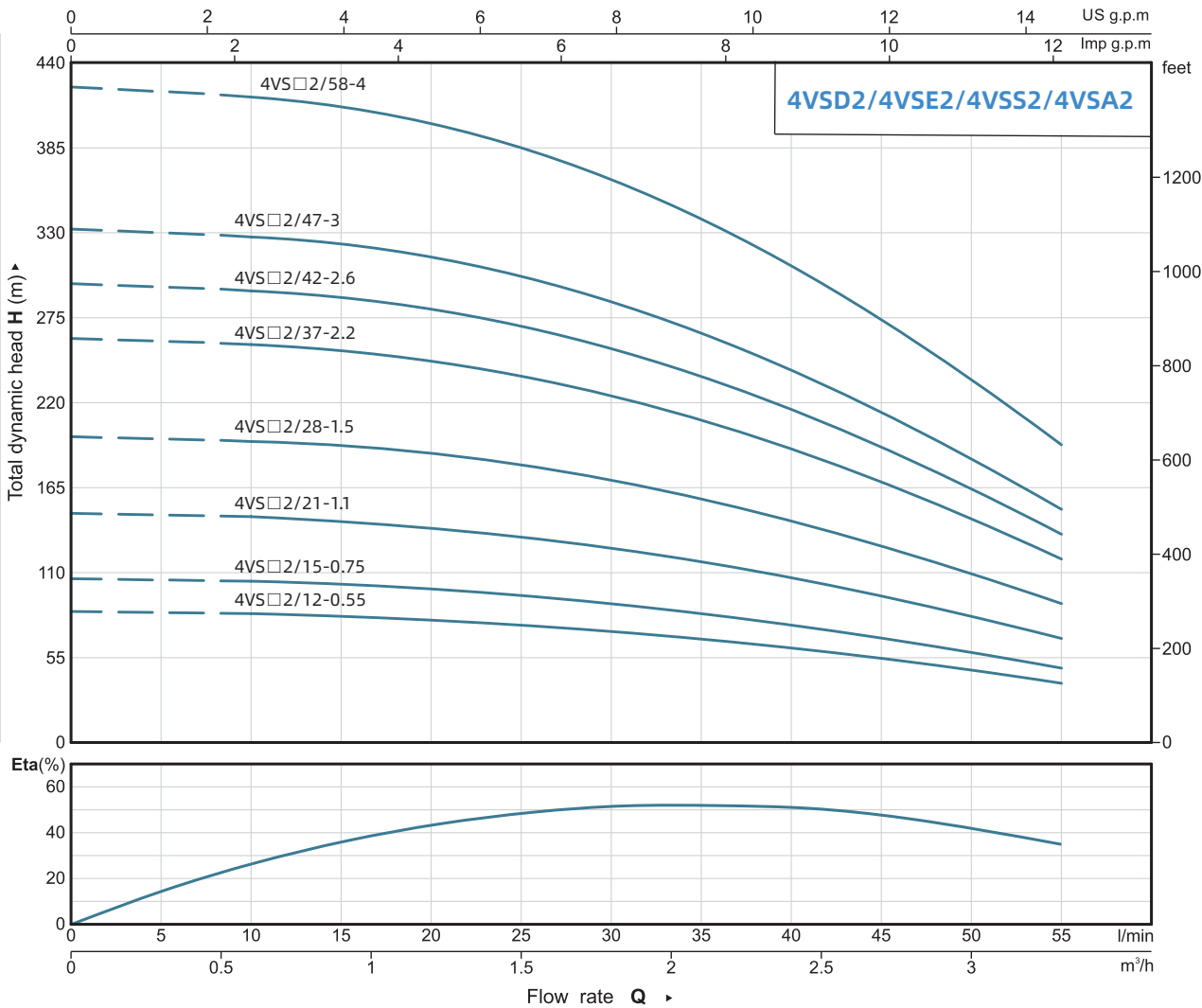
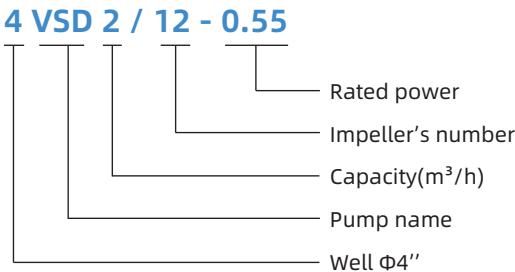
Motor and Pump
Rewindable motor
Three-phase: 380 - 415V/50Hz
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request
Special mechanical seal
Other voltages or frequency 60Hz



4VSD 4VSE 4VSS 4VSA

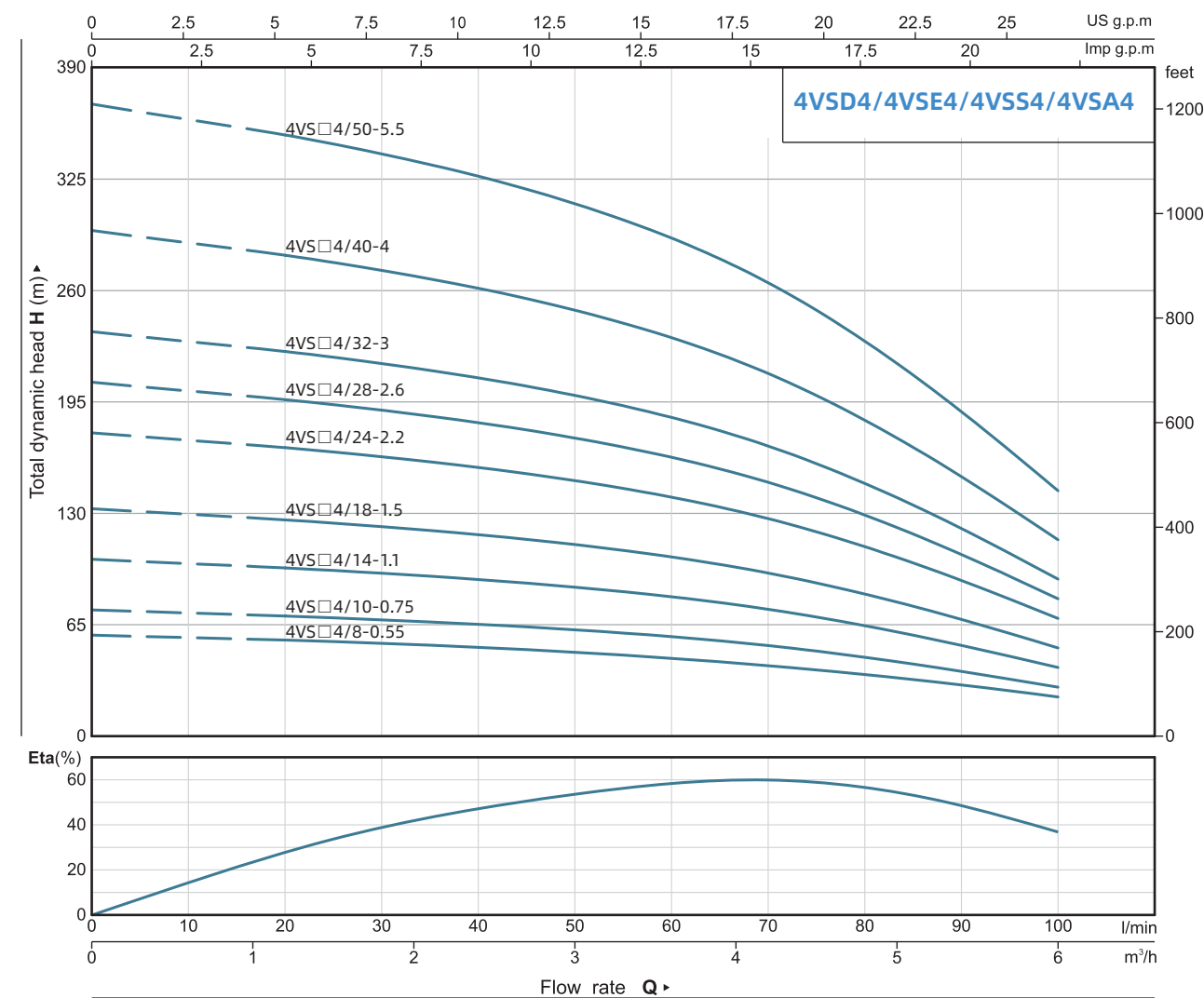
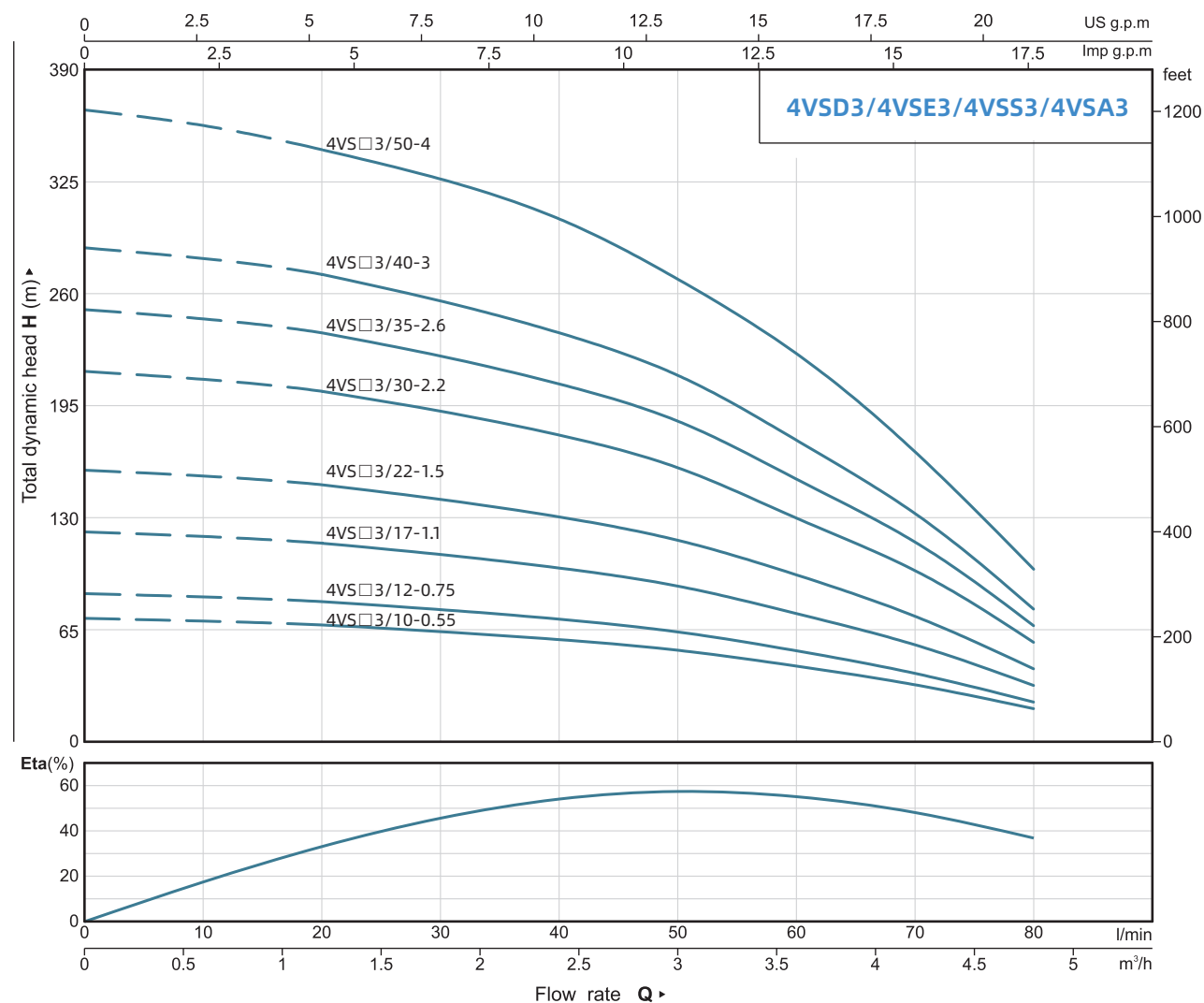
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	①Plastic.POM ② Plastic.PPO
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	①Cast-Cu ASTM C85500 ②AISI 304 SS ③Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.



PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY														n≈2850 1/min					
3~ 380 - 415V	kW	HP	Q	m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3						
					0	5	10	15	20	25	30	35	40	45	50	55						
4VS□2/12-0.55	0.55	0.75	H(m)		85	84	84	83	80	77	72	68	62	54	47	38						
4VS□2/15-0.75	0.75	1			106	105	105	103	100	96	90	85	78	68	59	48						
4VS□2/21-1.1	1.1	1.5			149	147	146	145	140	135	126	118	109	95	82	67						
4VS□2/28-1.5	1.5	2			198	196	195	193	187	180	168	158	145	127	110	90						
4VS□2/37-2.2	2.2	3			262	259	258	255	247	238	222	209	191	168	145	119						
4VS□2/42-2.6	2.6	3.5			297	294	293	289	280	270	252	237	217	190	165	135						
4VS□2/47-3	3	4			333	329	328	324	314	302	282	265	243	213	184	151						
4VS□2/58-4	4	5.5			410	408	404	397	391	379	349	334	307	273	237	200						

•4VS□ in the above table can be replaced by any of 4VSD,4VSE,4VSS,4VSA



PERFORMANCE DATA 50Hz

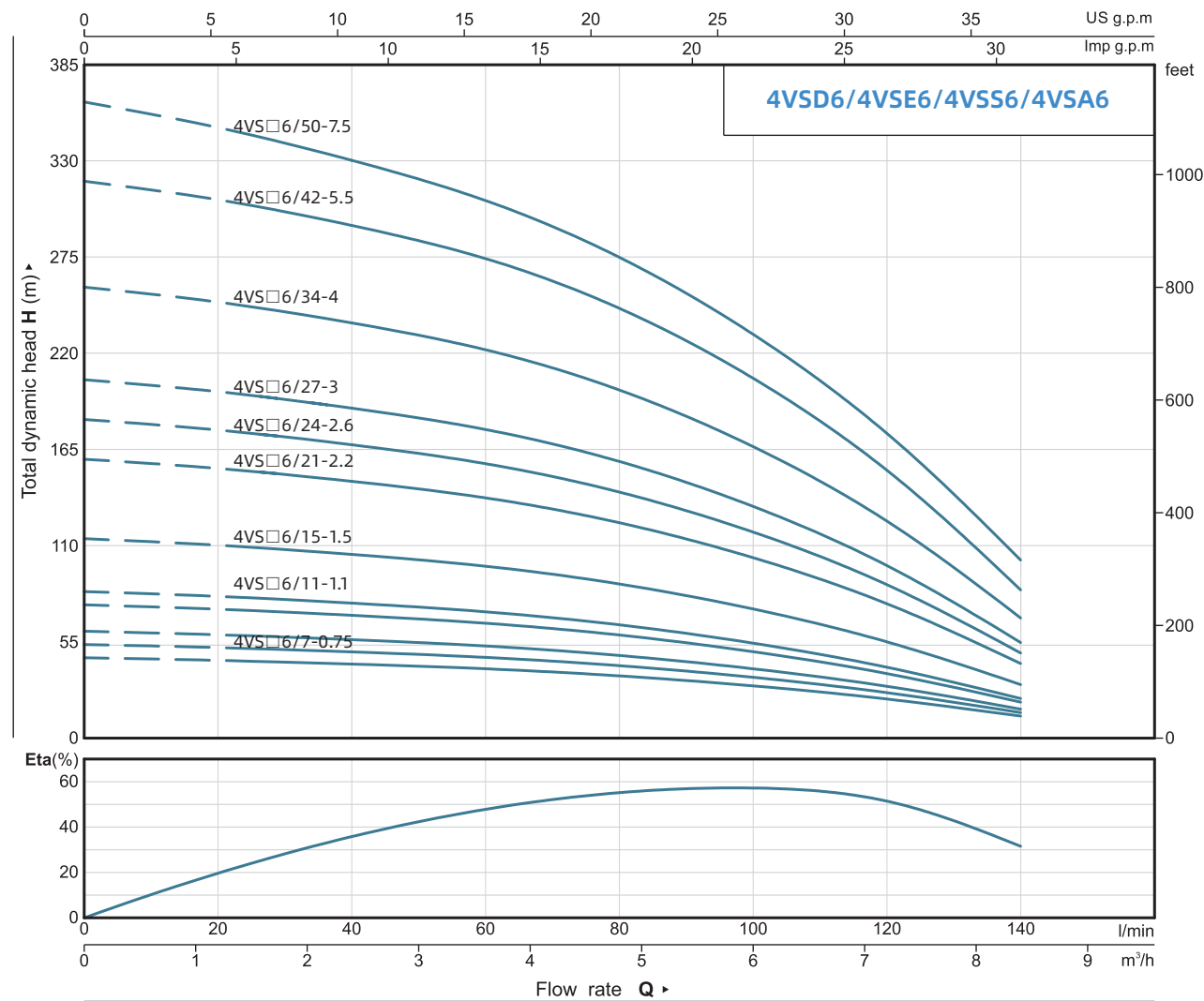
MODEL	P ₂		DELIVERY n≈2850 1/min										
	kW	HP	Q	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	
3~ 380 - 415V			m³/h l/min	0	10	20	30	40	50	60	70	80	
4VS□3/10-0.55	0.55	0.75	H(m)	72	70	68	64	59	53	43	33	19	
4VS□3/12-0.75	0.75	1		86	84	81	77	71	64	52	40	23	
4VS□3/17-1.1	1.1	1.5		122	119	115	109	101	90	73	56	33	
4VS□3/22-1.5	1.5	2		158	154	149	141	130	117	95	73	42	
4VS□3/30-2.2	2.2	3		215	210	203	192	178	159	129	99	58	
4VS□3/35-2.6	2.6	3.5		251	245	237	224	207	186	151	116	67	
4VS□3/40-3	3	4		287	280	271	255	237	212	172	132	77	
4VS□3/50-4	4	5.5		358	350	338	319	296	265	215	165	96	

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PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY n≈2850 1/min											
	kW	HP	Q	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
3~ 380 - 415V			m³/h l/min	0	10	20	30	40	50	60	70	80	90	100
4VS□4/8-0.55	0.55	0.75	H(m)	59	57	55	54	52	49	47	42	37	30	23
4VS□4/10-0.75	0.75	1		74	71	69	67	65	61	59	53	46	38	29
4VS□4/14-1.1	1.1	1.5		103	100	96	94	91	86	83	74	65	53	40
4VS□4/18-1.5	1.5	2		132	129	123	121	117	111	107	95	84	68	51
4VS□4/24-2.2	2.2	3		177	171	165	161	156	147	142	127	111	91	69
4VS□4/28-2.6	2.6	3.5		206	200	192	188	182	172	166	148	130	106	80
4VS□4/32-3	3	4		235	229	219	215	208	197	190	169	149	121	91
4VS□4/40-4	4	5.5		294	286	274	269	260	246	237	211	186	151	114
4VS□4/50-5.5	5.5	7.5		368	357	343	336	325	307	296	264	232	189	143

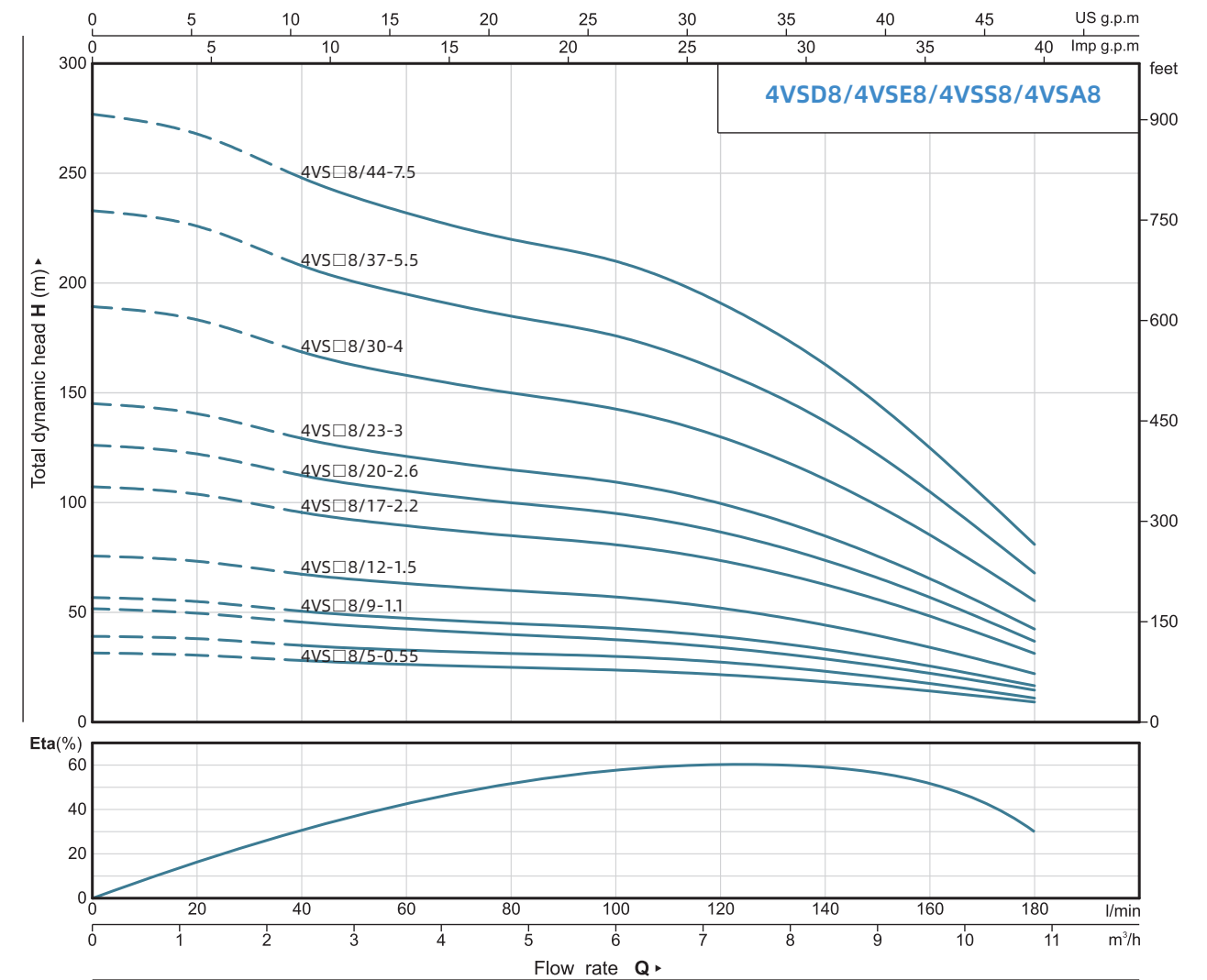
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PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY									
3~ 380 - 415V	kW	HP	Q	n≈2850 1/min								
				m ³ /h l/min	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
				0	20	40	60	80	100	120	140	
4VS□6/6-0.55	0.55	0.75	H(m)	43	41	40	37	33	28	21	11	
4VS□6/7-0.75	0.75	1		50	48	46	43	39	32	24	13	
4VS□6/8-0.75	0.75	1		57	55	53	49	44	37	28	15	
4VS□6/10-1.1	1.1	1.5		72	69	66	62	55	46	35	19	
4VS□6/11-1.1	1.1	1.5		79	76	73	68	61	51	38	21	
4VS□6/15-1.5	1.5	2		108	104	100	93	83	70	52	29	
4VS□6/21-2.2	2.2	3		151	145	139	130	116	97	72	40	
4VS□6/24-2.6	2.6	3.5		173	166	159	149	133	111	83	46	
4VS□6/27-3	3	4		194	186	179	167	150	125	93	51	
4VS□6/34-4	4	5.5		244	235	226	210	189	158	117	65	
4VS□6/42-5.5	5.5	7.5		302	290	279	260	233	195	145	80	
4VS□6/50-7.5	7.5	10		359	345	332	309	277	232	173	95	

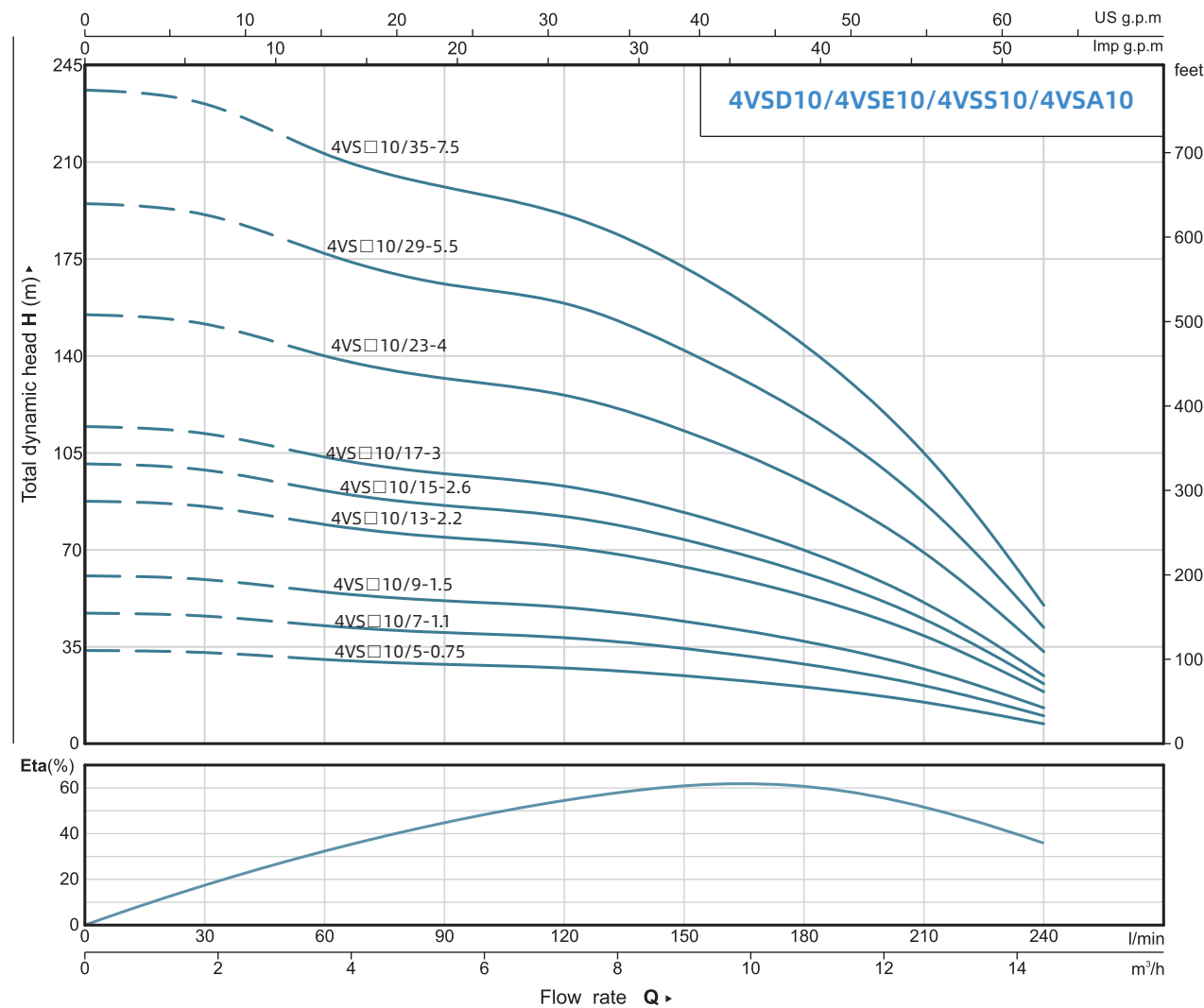
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PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY											
	kW	HP	Q	n≈2850 1/min										
				m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8
3~ 380 - 415V				l/min	0	20	40	60	80	100	120	140	160	180
4VS□8/5-0.55	0.55	0.75	H(m)		32	31	28	26	25	24	22	18	14	9
4VS□8/6-0.75	0.75	1			38	37	34	32	30	29	26	22	17	11
4VS□8/8-1.1	1.1	1.5			50	49	45	42	40	38	35	30	23	15
4VS□8/9-1.1	1.1	1.5			57	55	51	47	45	43	39	33	26	17
4VS□8/12-1.5	1.5	2			76	73	67	63	60	57	52	44	34	22
4VS□8/17-2.2	2.2	3			107	104	96	90	85	81	74	63	48	31
4VS□8/20-2.6	2.6	3.5			126	122	112	105	100	95	87	74	57	37
4VS□8/23-3	3	4			145	141	129	121	115	109	100	85	65	42
4VS□8/30-4	4	5.5			189	183	169	158	150	143	130	111	85	55
4VS□8/37-5.5	5.5	7.5			233	226	208	195	185	176	160	137	105	68
4VS□8/44-7.5	7.5	10			277	268	248	232	220	210	191	163	125	81

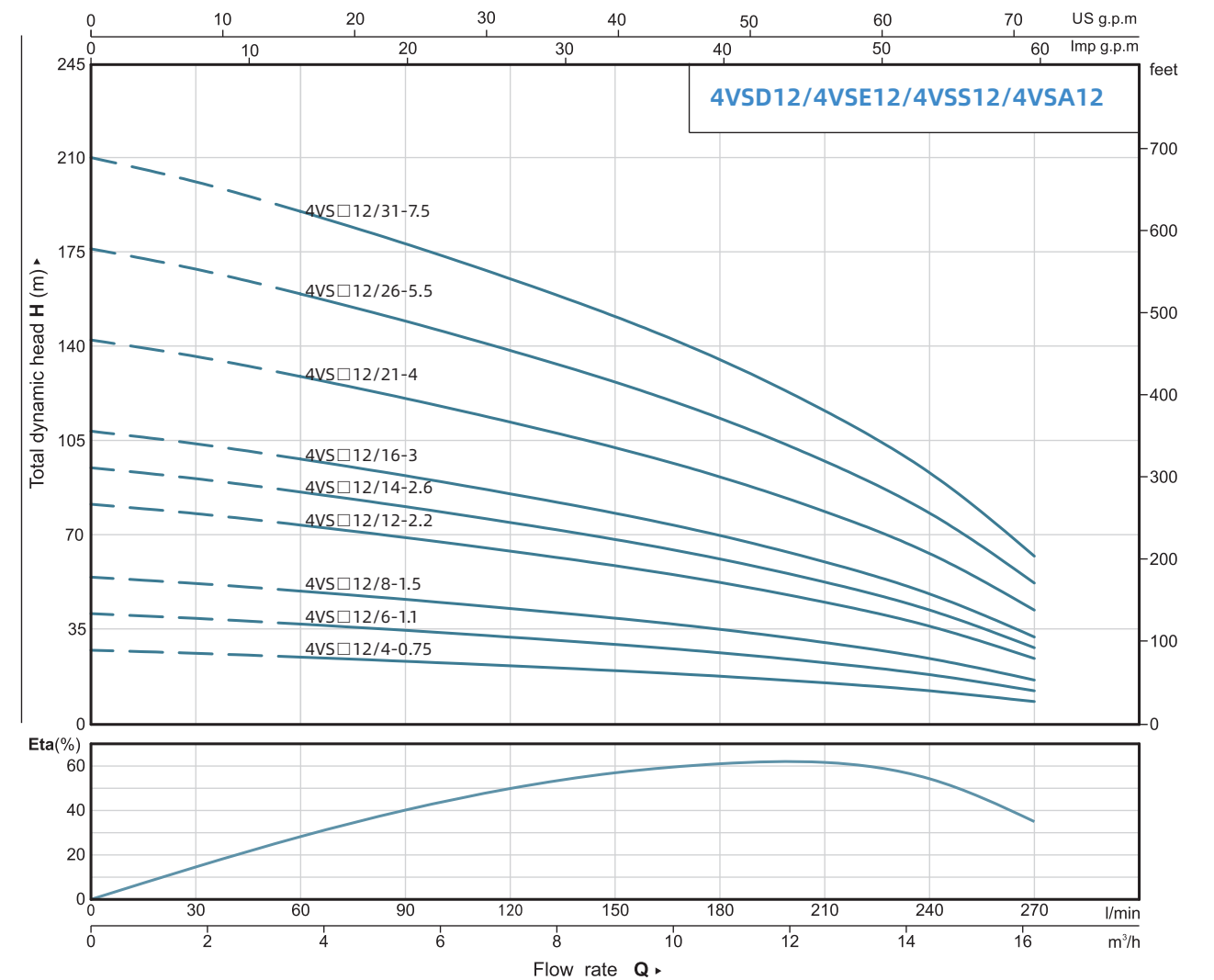
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PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY										
	kW	HP	Q	n≈2850 1/min									
				m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
3~380 - 415V				l/min	0	30	60	90	120	150	180	210	240
4VS□10/5-0.75	0.75	1	H(m)		34	33	30	29	27	25	21	15	7
4VS□10/7-1.1	1.1	1.5			47	46	43	40	38	34	29	21	10
4VS□10/9-1.5	1.5	2			61	59	55	52	49	44	37	27	13
4VS□10/13-2.2	2.2	3			88	86	79	75	71	64	53	39	19
4VS□10/15-2.6	2.6	3.5			101	99	91	86	82	74	62	45	22
4VS□10/17-3	3	4			115	112	104	98	93	84	70	51	25
4VS□10/23-4	4	5.5			155	152	140	132	126	113	95	69	33
4VS□10/29-5.5	5.5	7.5			195	191	177	166	159	142	119	87	42
4VS□10/35-7.5	7.5	10			236	231	213	201	191	172	144	105	50

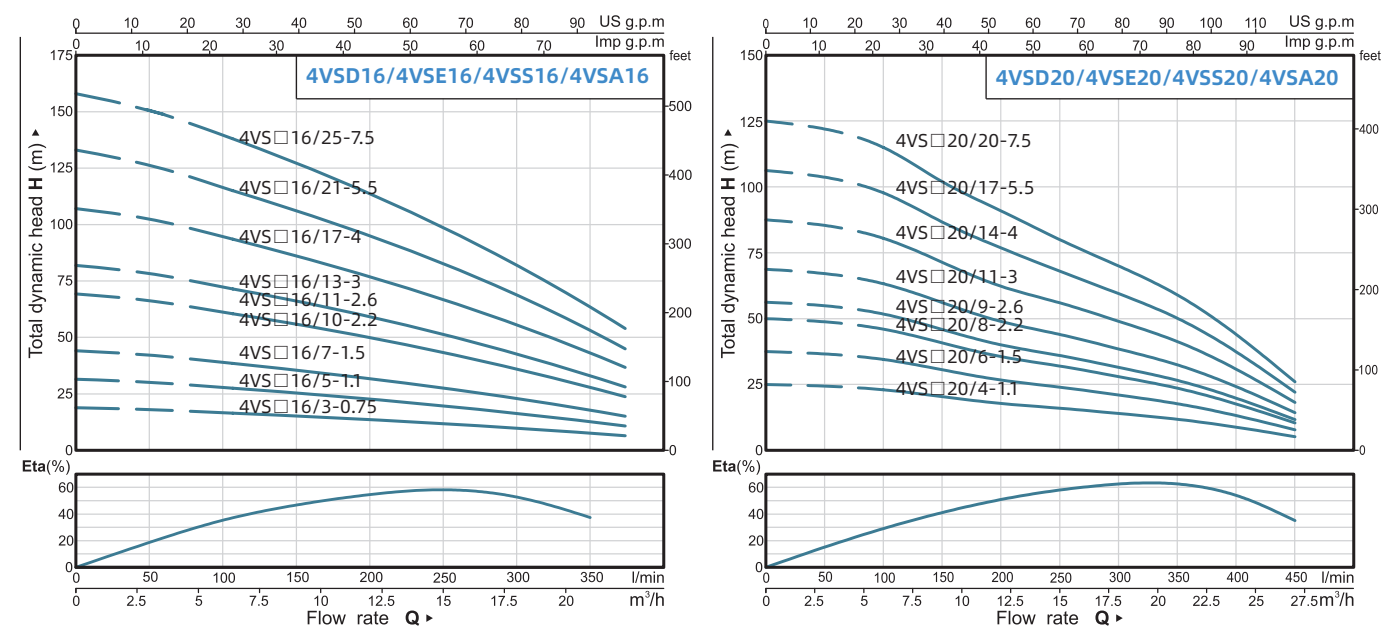
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PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY												
	kW	HP	Q	n≈2850 1/min											
				m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	
3~380 - 415V				l/min	0	30	60	90	120	150	180	210	240	270	
4VS□12/4-0.75	0.75	1	H(m)		27	26	25	23	21	19	17	15	12	7	
4VS□12/6-1.1	1.1	1.5			41	39	37	34	32	29	26	23	18	11	
4VS□12/8-1.5	1.5	2			54	52	49	45	43	39	35	30	24	14	
4VS□12/12-2.2	2.2	3			81	78	74	68	64	58	52	45	36	21	
4VS□12/14-2.6	2.6	3.5			95	91	86	79	75	68	61	53	42	25	
4VS□12/16-3	3	4			108	104	98	90	85	78	70	60	48	28	
4VS□12/21-4	4	5.5			142	137	129	118	112	102	92	79	63	37	
4VS□12/26-5.5	5.5	7.5			176	169	159	146	139	127	114	98	78	46	
4VS□12/31-7.5	7.5	10			210	202	190	175	165	151	135	117	93	55	

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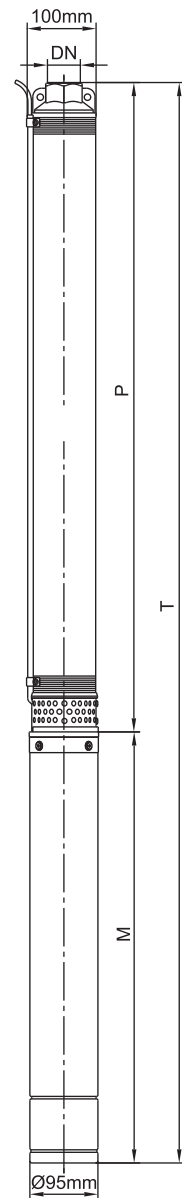
PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY n≈2850 1/min									
3~380 - 415V	kW	HP	Q m³/h l/min	0	3	6	9	12	15	18	21	
4VS□16/3-0.75	0.75	1	H(m)	19	18	17	15	13	11	9	6	
4VS□16/5-1.1	1.1	1.5		32	30	28	25	22	19	15	11	
4VS□16/7-1.5	1.5	2		44	42	39	35	31	26	21	15	
4VS□16/10-2.2	2.2	3		63	60	55	50	44	37	30	22	
4VS□16/11-2.6	2.6	3.5		70	66	61	55	48	41	33	24	
4VS□16/13-3	3	4		82	78	72	65	57	48	39	28	
4VS□16/17-4	4	5.5		107	102	94	85	75	63	51	37	
4VS□16/21-5.5	5.5	7.5		133	126	116	105	93	78	63	46	
4VS□16/25-7.5	7.5	10		158	150	138	125	110	93	75	54	

PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY n≈2850 1/min											
3~380 - 415V	kW	HP	Q m³/h l/min	0	3	6	9	12	15	18	21	24	27	
4VS□20/4-1.1	1.1	1.5	H(m)	25	24	23	20	18	16	14	12	9	5	
4VS□20/6-1.5	1.5	2		38	37	35	31	27	24	21	18	13	8	
4VS□20/8-2.2	2.2	3		50	49	46	41	35	32	28	23	17	10	
4VS□20/9-2.6	2.6	3.5		56	55	52	46	40	36	31	26	20	12	
4VS□20/11-3	3	4		69	67	63	56	49	44	38	32	24	14	
4VS□20/14-4	4	5.5		88	85	81	71	62	56	49	41	31	18	
4VS□20/17-5.5	5.5	7.5		106	104	98	87	76	68	60	50	37	22	
4VS□20/20-7.5	7.5	10		125	122	115	102	89	80	70	59	44	26	

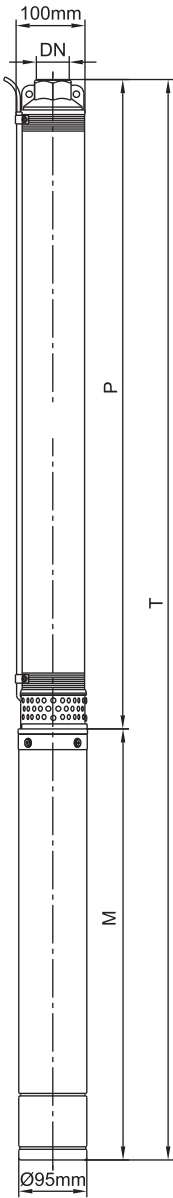
•4VS□ in the above table can be replaced by any of 4VSD,4VSE,4VSS,4VSA



DIMENSION AND WEIGHT

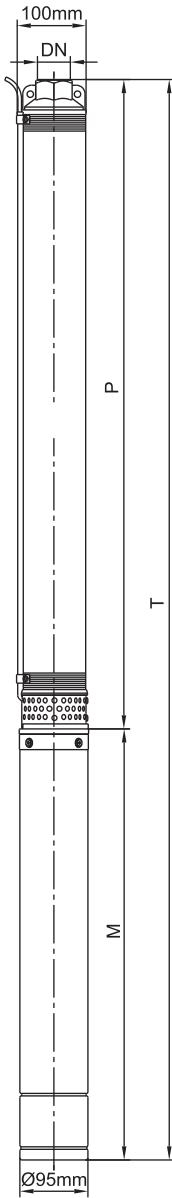
MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(T)	T(T)	P	M(T)	T(T)
3~380 - 415V							
4VS□2/12-0.55	1"1¼"/1½"	518	344	862	4.1	7.3	11.4
4VS□2/15-0.75	1"1¼"/1½"	591	369	960	4.7	8.5	13.2
4VS□2/21-1.1	1"1¼"/1½"	768	399	1167	6.0	9.8	15.8
4VS□2/28-1.5	1"1¼"/1½"	938	434	1372	7.4	11.5	18.9
4VS□2/37-2.2	1"1¼"/1½"	1188	534	1722	9.3	16.1	25.4
4VS□2/42-2.6	1"1¼"/1½"	1310	584	1894	10.2	18.4	28.6
4VS□2/47-3	1"1¼"/1½"	1430	591	2022	11.2	19.8	31.0
4VS□2/58-4	1"1¼"/1½"	1730	695	2425	11.8	23.0	34.8
4VS□3/10-0.55	1¼"/1½"	482	344	826	3.8	7.3	11.1
4VS□3/12-0.75	1¼"/1½"	533	369	902	4.1	8.5	12.6
4VS□3/17-1.1	1¼"/1½"	661	399	1060	4.8	9.8	14.6
4VS□3/22-1.5	1¼"/1½"	821	434	1255	6.4	11.5	17.9
4VS□3/30-2.2	1¼"/1½"	1080	534	1614	8.4	16.1	24.5
4VS□3/35-2.6	1¼"/1½"	1248	584	1832	9.6	18.4	28.0
4VS□3/40-3	1¼"/1½"	1385	591	1976	10.6	19.8	30.4
4VS□3/50-4	1¼"/1½"	1691	695	2386	13.0	23.0	36.0
4VS□4/8-0.55	1¼"/1½"	450	344	794	3.5	7.3	10.8
4VS□4/10-0.75	1¼"/1½"	507	369	876	3.9	8.5	12.4
4VS□4/14-1.1	1¼"/1½"	619	399	1018	4.8	9.8	14.6
4VS□4/18-1.5	1¼"/1½"	763	434	1197	5.9	11.5	17.4
4VS□4/24-2.2	1¼"/1½"	932	534	1466	7.1	16.1	23.2
4VS□4/28-2.6	1¼"/1½"	1044	584	1628	7.9	18.4	26.3
4VS□4/32-3	1¼"/1½"	1246	591	1837	9.4	19.8	29.2
4VS□4/40-4	1¼"/1½"	1485	695	2180	11.3	23.0	34.3
4VS□4/50-5.5	1¼"/1½"	1816	785	2601	13.6	28.2	41.8

DIMENSION AND WEIGHT



MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
3~ 380 - 415V		P	M(T)	T(T)	P	M(T)	T(T)
4VS□6/6-0.55	1¼"/1½"/2"	432	344	776	3.4	7.3	10.7
4VS□6/7-0.75	1¼"/1½"/2"	466	369	835	3.6	8.5	12.1
4VS□6/8-0.75	1¼"/1½"/2"	501	369	870	3.8	8.5	12.3
4VS□6/10-1.1	1¼"/1½"/2"	570	399	969	4.4	9.8	14.2
4VS□6/11-1.1	1¼"/1½"/2"	604	399	1003	4.6	9.8	14.4
4VS□6/15-1.5	1¼"/1½"/2"	774	434	1208	5.9	11.5	17.4
4VS□6/21-2.2	1¼"/1½"/2"	980	534	1514	7.4	16.1	23.5
4VS□6/24-2.6	1¼"/1½"/2"	1083	584	1667	8.2	18.4	26.6
4VS□6/27-3	1¼"/1½"/2"	1218	591	1809	9.1	19.8	28.9
4VS□6/34-4	1¼"/1½"/2"	1459	695	2154	10.8	23.0	33.8
4VS□6/42-5.5	1¼"/1½"/2"	1765	785	2550	13.1	28.2	41.3
4VS□6/50-7.5	1¼"/1½"/2"	2073	875	2948	14.8	34.6	49.4
4VS□8/5-0.55	1¼"/1½"/2"	409	344	753	3.2	7.3	10.5
4VS□8/6-0.75	1¼"/1½"/2"	445	369	814	3.5	8.5	12.0
4VS□8/8-1.1	1¼"/1½"/2"	517	399	916	4.0	9.8	13.8
4VS□8/9-1.1	1¼"/1½"/2"	553	399	952	4.3	9.8	14.1
4VS□8/12-1.5	1¼"/1½"/2"	662	434	1096	5.1	11.5	16.6
4VS□8/17-2.2	1¼"/1½"/2"	876	534	1410	6.6	16.1	22.7
4VS□8/20-2.6	1¼"/1½"/2"	985	584	1569	7.4	18.4	25.8
4VS□8/23-3	1¼"/1½"/2"	1093	591	1684	8.2	19.8	28.0
4VS□8/30-4	1¼"/1½"/2"	1380	695	2075	10.2	23.0	33.2
4VS□8/37-5.5	1¼"/1½"/2"	1666	785	2451	12.4	28.2	40.6
4VS□8/44-7.5	1¼"/1½"/2"	1919	875	2794	14.3	34.6	48.9
4VS□10/5-0.75	1½"/2"	439	369	808	3.9	8.5	12.4
4VS□10/7-1.1	1½"/2"	523	399	922	4.4	9.8	14.2
4VS□10/9-1.5	1½"/2"	607	434	1041	5.0	11.5	16.5
4VS□10/13-2.2	1½"/2"	810	534	1344	6.4	16.1	22.5
4VS□10/15-2.6	1½"/2"	894	584	1478	7.0	18.4	25.4
4VS□10/17-3	1½"/2"	978	591	1569	7.7	19.8	27.5
4VS□10/23-4	1½"/2"	1265	695	1960	9.6	23.0	32.6
4VS□10/29-5.5	1½"/2"	1517	785	2302	11.5	28.2	39.7
4VS□10/35-7.5	1½"/2"	1804	875	2679	13.6	34.6	48.2

DIMENSION AND WEIGHT



3~ 380 - 415V	DN						
		P	M(T)	T(T)	P	M(T)	T(T)
4VS□12/4-0.75	2"	428	369	797	3.2	8.5	11.7
4VS□12/6-0.75	2"	520	399	919	3.8	9.8	13.6
4VS□12/8-1.1	2"	613	434	1047	4.5	11.5	16.0
4VS□12/12-1.1	2"	837	534	1371	6.1	16.1	22.2
4VS□12/14-1.5	2"	930	584	1514	6.7	18.4	25.1
4VS□12/16-2.2	2"	1023	591	1664	7.3	19.8	27.1
4VS□12/21-2.6	2"	1293	695	1988	9.2	23.0	32.2
4VS□12/26-3	2"	1525	785	2310	10.8	28.2	39.0
4VS□12/31-4	2"	1795	875	2670	12.7	34.6	47.3
4VS□16/3-0.75	2"/2½"	459	369	828	3.6	8.5	12.1
4VS□16/5-1.1	2"/2½"	596	399	995	4.6	9.8	14.4
4VS□16/7-1.5	2"/2½"	764	434	1198	5.9	11.5	17.4
4VS□16/10-2.2	2"/2½"	970	534	1504	7.5	16.1	23.6
4VS□16/11-2.6	2"/2½"	1038	584	1622	8.1	18.4	26.5
4VS□16/13-3	2"/2½"	1206	591	1797	9.4	19.8	29.2
4VS□16/17-4	2"/2½"	1480	695	2175	11.5	23.0	34.5
4VS□16/21-5.5	2"/2½"	1785	785	2570	13.9	28.2	42.1
4VS□16/25-7.5	2"/2½"	2091	875	2966	16.4	34.6	51.0
4VS□20/4-0.75	2"/2½"	551	399	950	4.2	9.8	14.0
4VS□20/6-1.1	2"/2½"	732	434	1166	5.4	11.5	16.9
4VS□20/8-1.5	2"/2½"	881	534	1415	6.6	16.1	22.7
4VS□20/9-2.2	2"/2½"	955	584	1539	7.3	18.4	25.7
4VS□20/11-2.6	2"/2½"	1104	591	1695	8.3	19.8	28.1
4VS□20/14-3	2"/2½"	1359	695	2054	9.9	23.0	32.9
4VS□20/17-4	2"/2½"	1614	785	2399	12.5	28.2	40.7
4VS□20/20-5.5	2"/2½"	1837	875	2712	14.3	34.6	48.9