

5VSD/5VSS

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: 5"

Motor and Pump

Rewindable motor
Three-phase: 380 - 415V/50Hz
Curve tolerance according to ISO 9906

Options on request

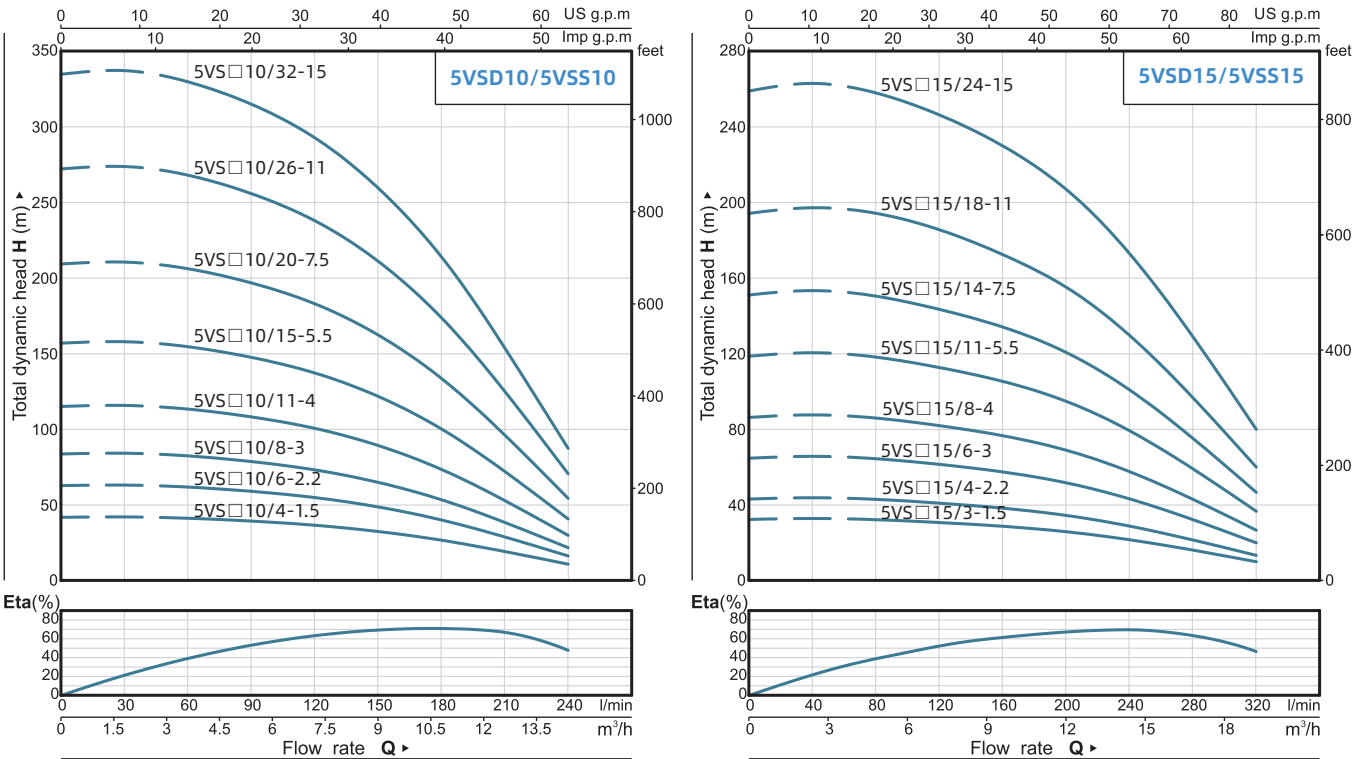
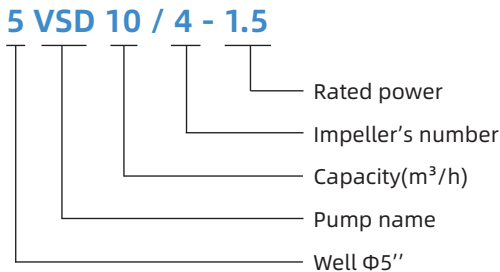
Special mechanical seal
Other voltages or frequency 60Hz



5VSD

5VSS

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	Plastic,POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-Cu ASTM C85500
	Cast-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 pharmaceutic use.



PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY										
			Q	n≈2850 1/min									
				0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	
3~380 - 415V	kW	HP	m³/h l/min	0	30	60	90	120	150	180	210	240	
5VS□10/4-1.5	1.5	2	H(m)	42	42	41	39	37	33	27	19	11	
5VS□10/6-2.2	2.2	3		63	63	62	59	55	49	40	29	16	
5VS□10/8-3	3	4		84	84	83	79	73	65	54	39	22	
5VS□10/11-4	4	5.5		115	116	113	108	101	89	74	53	30	
5VS□10/15-5.5	5.5	7.5		157	158	155	148	137	122	100	72	41	
5VS□10/20-7.5	7.5	10		209	211	206	197	183	163	134	96	54	
5VS□10/26-11	11	15		272	274	268	256	238	211	174	125	71	
5VS□10/32-15	15	20		335	337	330	315	293	260	214	154	87	

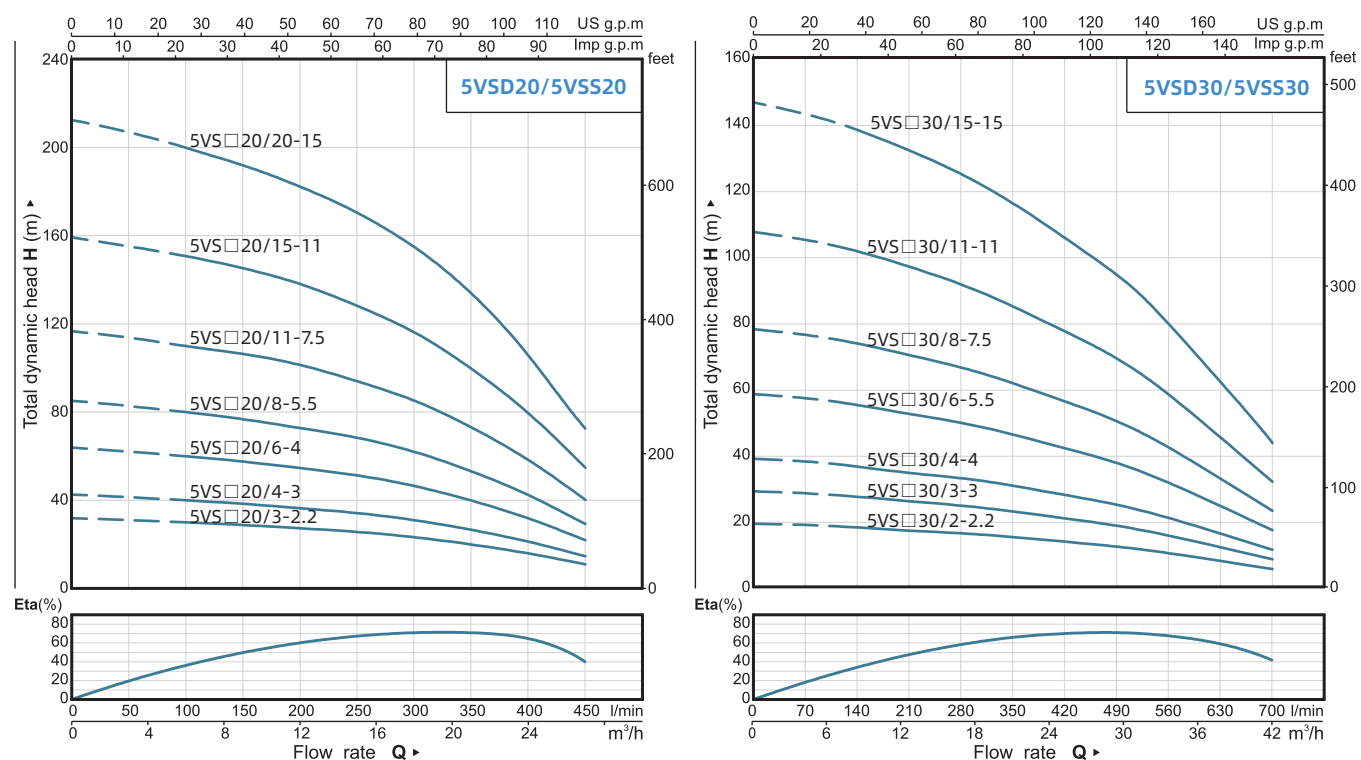
PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY										
			Q	n≈2850 1/min									
				0	2.4	4.8	7.2	9.6	12.0	14.4	16.8	19.2	
3~380 - 415V	kW	HP	m³/h l/min	0	40	80	120	160	200	240	280	320	
5VS□15/3-1.5	1.5	2	H(m)	32	33	32	31	29	26	22	16	10	
5VS□15/4-2.2	2.2	3		43	44	43	41	38	34	29	21	13	
5VS□15/6-3	3	4		65	66	64	61	57	52	43	32	20	
5VS□15/8-4	4	5.5		86	88	86	82	77	69	58	43	27	
5VS□15/11-5.5	5.5	7.5		119	121	118	113	105	95	79	59	37	
5VS□15/14-7.5	7.5	10		151	153	151	144	134	121	101	75	47	
5VS□15/18-11	11	15		194	197	194	185	173	155	130	97	60	
5VS□15/24-15	15	20		259	263	258	246	230	207	173	129	80	

•5VS□ in the above table can be replaced by any of 5VSD,5VSS

29

30



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
				0	50	100	150	200	250	300	350	400	450
5VS□20/3-2.2	2.2	3	H(m)	32	31	30	29	27	26	23	20	16	11
5VS□20/4-3	3	4		43	42	40	38	36	34	31	26	21	14
5VS□20/6-4	4	5.5		64	62	60	57	54	51	46	39	31	21
5VS□20/8-5.5	5.5	7.5		85	83	80	76	72	68	62	52	42	28
5VS□20/11-7.5	7.5	10		117	114	110	105	100	94	85	72	57	39
5VS□20/15-11	11	15		160	156	150	143	136	128	116	98	78	53
5VS□20/20-15	15	20		213	208	200	191	181	170	154	131	104	71

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		
				0	100	200	300	400	500	600	700		
5VS□30/2-2.2	2.2	3	H(m)	20	19	18	16	15	12	9	6		
5VS□30/3-3	3	4		29	28	26	25	22	19	14	9		
5VS□30/4-4	4	5.5		39	39	35	33	29	25	19	12		
5VS□30/6-5.5	5.5	7.5		59	57	53	49	44	37	28	18		
5VS□30/8-7.5	7.5	10		78	76	70	66	58	50	37	23		
5VS□30/11-11	11	15		108	104	97	90	80	68	51	32		
5VS□30/15-15	15	20		147	142	132	123	109	93	70	44		

• 5VS□ in the above table can be replaced by any of 5VSD, 5VSS

DIMENSION AND WEIGHT

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
3~ 380 - 415V		P	M(T)	T(T)	P	M(T)	T(T)
5VS□10/4-1.5	2"	461	406	867	4.8	16.5	21.3
5VS□10/6-2.2	2"	499	441	940	5.7	19.4	25.1
5VS□10/8-3	2"	567	481	1048	6.6	22.6	29.2
5VS□10/11-4	2"	669	531	1200	8.0	26.7	34.7
5VS□10/15-5.5	2"	805	606	1411	9.8	33.4	43.2
5VS□10/20-7.5	2"	975	706	1681	12.0	41.5	53.5
5VS□10/26-11	2"	1179	856	2035	14.7	54.1	68.8
5VS□10/32-15	2"	1383	1006	2389	17.4	66.2	83.6

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
3~ 380 - 415V		P	M(T)	T(T)	P	M(T)	T(T)
5VS□15/3-1.5	2 1/2"	416	406	822	4.3	16.5	20.8
5VS□15/4-2.2	2 1/2"	455	441	896	4.8	19.4	24.2
5VS□15/6-3	2 1/2"	532	481	1013	5.8	22.6	28.4
5VS□15/8-4	2 1/2"	609	531	1140	6.8	26.7	33.5
5VS□15/11-5.5	2 1/2"	724	606	1330	8.3	33.4	41.7
5VS□15/14-7.5	2 1/2"	840	706	1546	9.8	41.5	51.3
5VS□15/18-11	2 1/2"	994	856	1850	11.8	54.1	65.9
5VS□15/24-15	2 1/2"	1225	1006	2231	14.8	66.2	81.0

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
3~ 380 - 415V		P	M(T)	T(T)	P	M(T)	T(T)
5VS□20/3-2.2	2 1/2"	439	441	880	5.2	19.4	24.6
5VS□20/4-3	2 1/2"	486	481	967	5.7	22.6	28.3
5VS□20/6-4	2 1/2"	578	531	1109	6.7	26.7	33.4
5VS□20/8-5.5	2 1/2"	671	606	1277	7.7	33.4	41.1
5VS□20/11-7.5	2 1/2"	811	706	1517	9.2	41.5	50.7
5VS□20/15-11	2 1/2"	997	856	1853	11.2	54.1	65.3
5VS□20/20-15	2 1/2"	1229	1006	2235	13.7	66.2	79.9

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
3~ 380 - 415V		P	M(T)	T(T)	P	M(T)	T(T)
5VS□30/2-2.2	2 1/2"	476	441	917	8.8	19.4	28.2
5VS□30/3-3	2 1/2"	564	481	1045	9.4	22.6	32.0
5VS□30/4-4	2 1/2"	652	531	1183	10.0	26.7	36.7
5VS□30/6-5.5	2 1/2"	828	606	1434	11.2	33.4	44.6
5VS□30/8-7.5	2 1/2"	1058	706	1764	12.4	41.5	53.9
5VS□30/11-11	2 1/2"	1322	856	2178	14.5	54.1	68.6
5VS□30/15-15	2 1/2"	1674	1006	2680	15.1	66.2	81.3

