

3.5VSD/3.5VSS

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: 3.5"

Motor and Pump

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

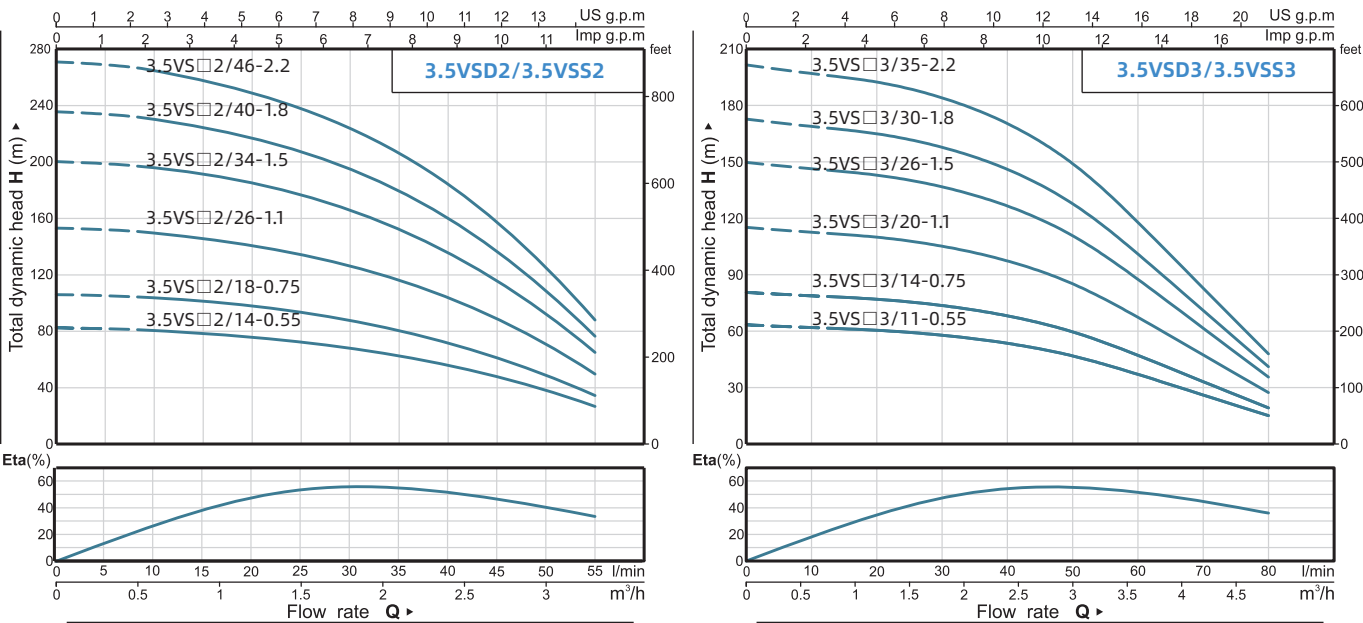
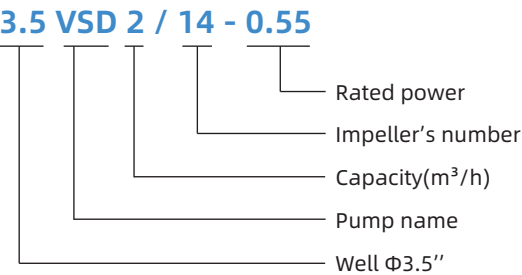
Options on request

Special mechanical seal
Other voltages or frequency 60Hz



3.5VSD 3.5VSS

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast-Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast-Cu ASTM C85500 ② AISI 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	①Cast-Cu ASTM C85500 ②Cast-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.



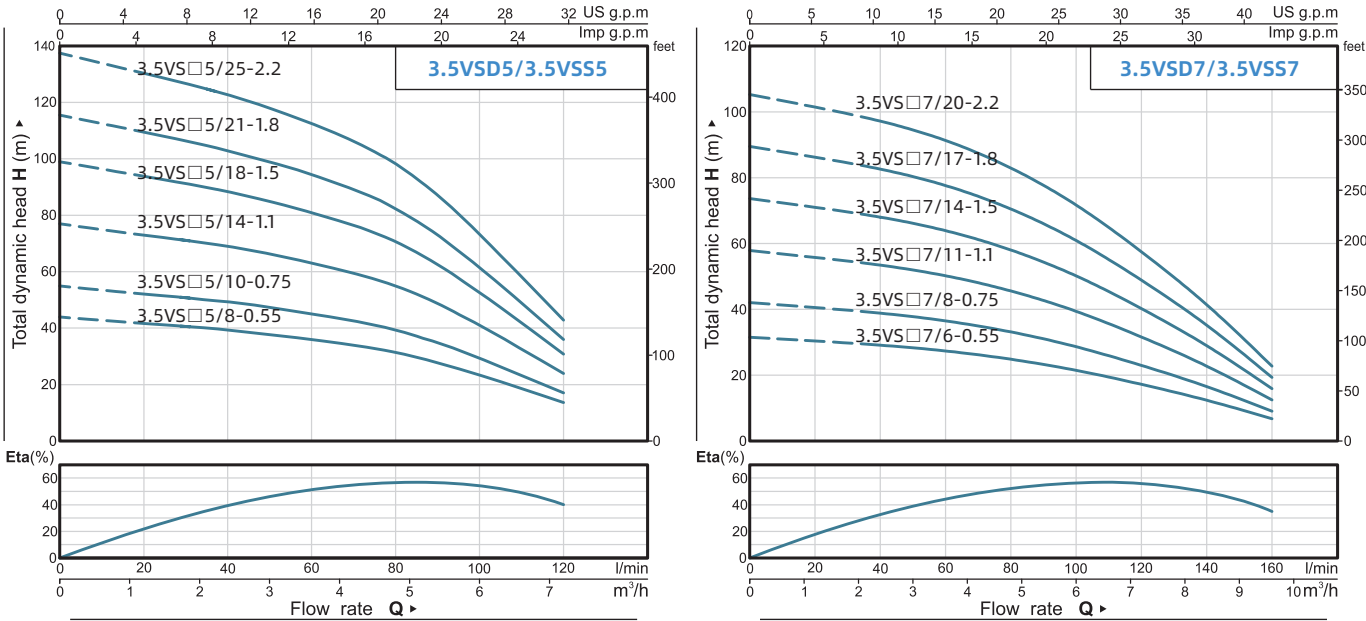
PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY													
			n≈2850 1/min													
3 ~ 380 - 415V	kW	HP	Q	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	
			m³/h	0	5	10	15	20	25	30	35	40	45	50	55	
3.5VS□2/14-0.55	0.55	0.75	H(m)	82	82	81	79	76	73	67	62	54	48	39	27	
3.5VS□2/18-0.75	0.75	1		106	105	104	101	98	93	87	80	70	62	51	35	
3.5VS□2/26-1.1	1.1	1.5		153	152	150	146	141	135	125	115	101	89	73	50	
3.5VS□2/34-1.5	1.5	2		200	199	196	191	184	177	163	150	132	116	95	65	
3.5VS□2/40-1.8	1.8	2.5		235	234	231	225	217	208	192	177	155	137	112	77	
3.5VS□2/46-2.2	2.2	3		271	269	265	258	249	239	221	203	179	157	129	88	

PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY									
			n≈2850 1/min									
3 ~ 380 - 415V	kW	HP	Q	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8
			m³/h	0	10	20	30	40	50	60	70	80
3.5VS□3/11-0.55	0.55	0.75	H(m)	63	62	61	58	54	47	37	26	15
3.5VS□3/14-0.75	0.75	1		81	79	77	74	68	60	47	33	19
3.5VS□3/20-1.1	1.1	1.5		115	113	110	105	98	85	68	48	28
3.5VS□3/26-1.5	1.5	2		150	146	143	137	127	111	88	62	36
3.5VS□3/30-1.8	1.8	2.5		173	169	165	158	146	128	101	71	41
3.5VS□3/35-2.2	2.2	3		202	197	193	184	170	149	118	83	48

• 3.5VS□ in the above table can be replaced by any of 3.5VSD,3.5VSS



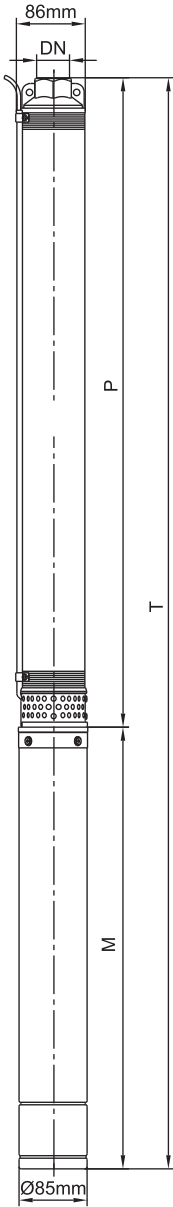
PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY							
	kW	HP	Q	n≈2850 1/min						
3 ~ 380 - 415V			m³/h l/min	0	1.2	2.4	3.6	4.8	6.0	7.2
3.5VS□5/8-0.55	0.55	0.75	H(m)	44	42	39	36	31	23	14
3.5VS□5/10-0.75	0.75	1		55	55	49	45	39	29	17
3.5VS□5/14-1.1	1.1	1.5		77	73	69	63	55	41	24
3.5VS□5/18-1.5	1.5	2		99	94	89	81	71	53	31
3.5VS□5/21-1.8	1.8	2.5		116	110	104	95	83	62	36
3.5VS□5/25-2.2	2.2	3		138	130	123	113	98	73	43

PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY									
	kW	HP	Q	n≈2850 1/min								
3 ~ 380 - 415V			m³/h l/min	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6
3.5VS□7/6-0.55	0.55	0.75	H(m)	32	30	29	27	25	22	17	12	7
3.5VS□7/8-0.75	0.75	1		42	41	40	37	33	29	23	17	9
3.5VS□7/11-1.1	1.1	1.5		58	56	54	50	46	39	32	23	13
3.5VS□7/14-1.5	1.5	2		74	71	67	64	58	50	40	29	16
3.5VS□7/17-1.8	1.8	2.5		90	86	81	78	71	61	49	35	19
3.5VS□7/20-2.2	2.2	3		105	102	94	91	83	72	58	41	23

• 3.5VS□ in the above table can be replaced by any of 3.5VSD,3.5VSS



DIMENSION AND WEIGHT

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(π)	T(π)	P	M(π)	T(π)
3~ 380 - 415V							
3.5VS□2/14-0.55	1¼"/1½"	537	303	840	3.3	6.0	9.3
3.5VS□2/18-0.75	1¼"/1½"	657	328	985	3.8	7.1	10.9
3.5VS□2/26-1.1	1¼"/1½"	846	388	1234	4.8	9.5	14.3
3.5VS□2/34-1.5	1¼"/1½"	1060	448	1508	6.5	11.6	18.1
3.5VS□2/40-1.8	1¼"/1½"	1202	478	1680	7.1	13.0	20.1
3.5VS□2/46-2.2	1¼"/1½"	1369	528	1897	7.9	14.8	22.7
3.5VS□3/11-0.55	1¼"/1½"	496	303	799	2.9	6.0	8.9
3.5VS□3/14-0.75	1¼"/1½"	575	328	903	3.3	7.1	10.4
3.5VS□3/20-1.1	1¼"/1½"	758	388	1146	4.4	9.5	13.9
3.5VS□3/26-1.5	1¼"/1½"	915	448	1363	5.3	11.6	16.9
3.5VS□3/30-1.8	1¼"/1½"	1020	478	1498	6.0	13.0	19.0
3.5VS□3/35-2.2	1¼"/1½"	1176	528	1704	6.7	14.8	21.5
3.5VS□5/8-0.55	1¼"/1½"	471	303	774	2.9	3.2	9.2
3.5VS□5/10-0.75	1¼"/1½"	538	328	866	3.3	3.6	10.7
3.5VS□5/14-1.1	1¼"/1½"	729	388	1117	4.4	4.4	13.9
3.5VS□5/18-1.5	1¼"/1½"	828	448	1276	5.3	5.2	16.8
3.5VS□5/21-1.8	1¼"/1½"	928	478	1406	6.0	5.8	18.8
3.5VS□5/25-2.2	1¼"/1½"	1086	528	1614	6.7	6.2	21.0
3.5VS□7/6-0.55	1¼"/1½"	406	303	709	2.1	6.0	8.1
3.5VS□7/8-0.75	1¼"/1½"	472	328	800	2.8	7.1	9.9
3.5VS□7/11-1.1	1¼"/1½"	572	388	960	3.9	9.5	13.4
3.5VS□7/14-1.5	1¼"/1½"	696	448	1144	5.0	11.6	16.6
3.5VS□7/17-1.8	1¼"/1½"	796	478	1274	6.1	13.0	19.1
3.5VS□7/20-2.2	1¼"/1½"	895	528	1423	7.2	14.8	22.0