

3VSD/3VSE/3VSS

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"

Motor and Pump

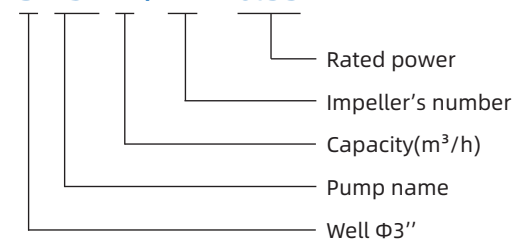
Rewindable motor
Three-phase: 380 - 415V/50Hz
Pumps are designed by casing stressed
Curve tolerance according to ISO 9906

Options on request

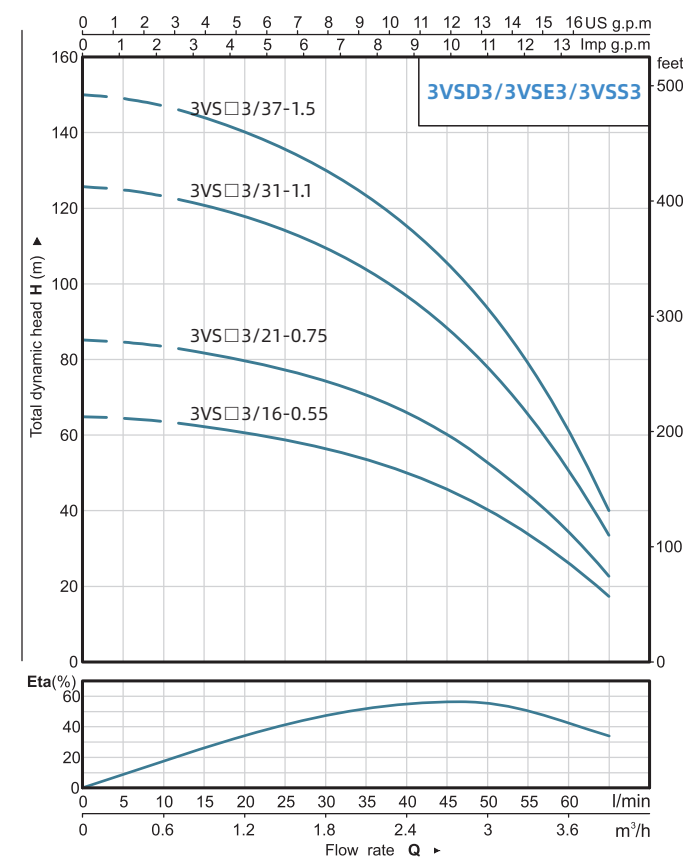
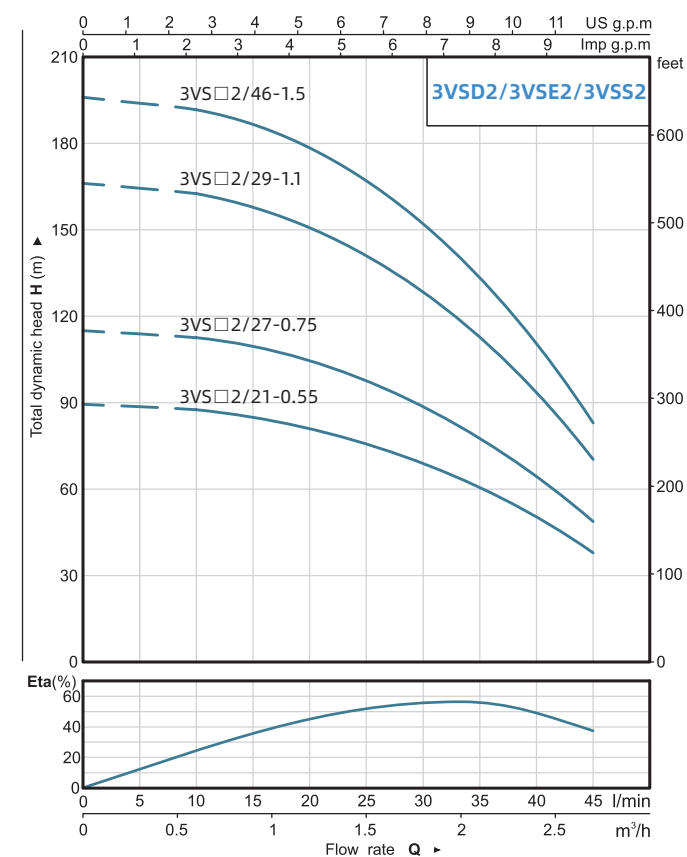
Special mechanical seal
Other voltages or frequency 60Hz



3 VSD 2 / 21 - 0.55



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/TC)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



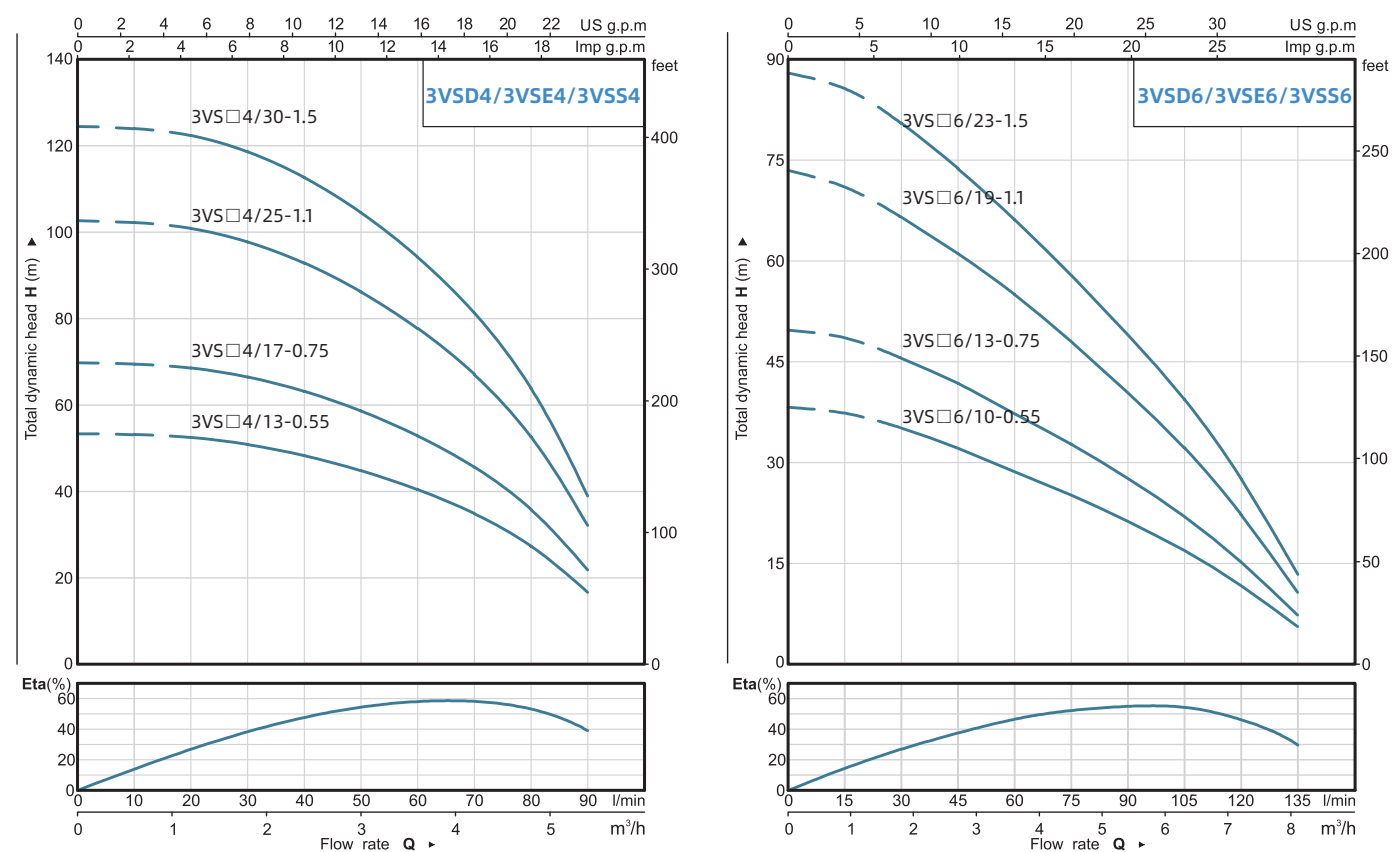
PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY											
			n≈2850 1/min											
3~ 380 - 415V	kW	HP	Q m³/h l/min	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	
				0	5	10	15	20	25	30	35	40	45	
3VS□2/21-0.55	0.55	0.75	H(m)	89	89	87	85	81	76	68	60	51	38	
3VS□2/27-0.75	0.75	1		115	114	112	110	104	97	88	77	65	49	
3VS□2/29-1.1	1.1	1.5		166	164	161	159	151	141	127	112	94	70	
3VS□2/46-1.5	1.5	2		196	194	190	187	178	166	150	132	111	83	

PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY									
			n≈2850 1/min									
3~ 380 - 415V	kW	HP	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	3.9	
				0	10	20	30	40	50	60	65	
3VS□3/16-0.55	0.55	0.75	H(m)	64	63	60	57	51	41	26	17	
3VS□3/21-0.75	0.75	1		84	82	78	74	67	53	34	23	
3VS□3/31-1.1	1.1	1.5		124	121	116	110	99	79	51	34	
3VS□3/37-1.5	1.5	2		148	145	138	131	118	94	61	40	

• 3VS□ in the above table can be replaced by any of 3VSD, 3VSE, 3VSS



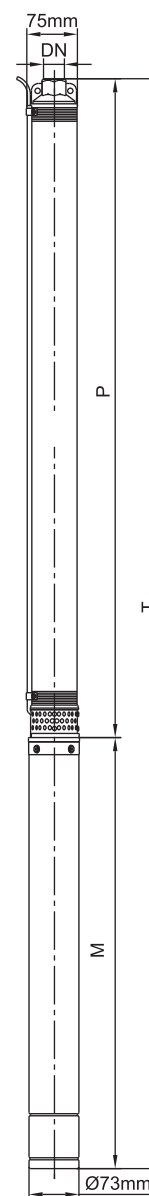
PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY n≈2850 1/min											
	kW	HP	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	
3~ 380 - 415V				0	10	20	30	40	50	60	70	80	90	
3VS□4/13-0.55	0.55	0.75	H(m)	53	53	52	51	48	45	40	35	27	17	
3VS□4/17-0.75	0.75	1		70	70	69	66	63	59	53	46	36	22	
3VS□4/25-1.1	1.1	1.5		103	102	101	98	93	86	78	67	53	32	
3VS□4/30-1.5	1.5	2		123	123	121	117	111	103	93	80	63	39	

PERFORMANCE DATA 50Hz

MODEL	P ₂		DELIVERY n≈2850 1/min											
	kW	HP	Q m³/h l/min	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	
3~ 380 - 415V				0	15	30	45	60	75	90	105	120	135	
3VS□6/10-0.55	0.55	0.75	H(m)	38	37	34	31	29	25	21	17	11	5	
3VS□6/13-0.75	0.75	1		50	49	45	41	38	33	28	23	14	7	
3VS□6/19-1.1	1.1	1.5		73	71	65	59	55	48	40	33	21	10	
3VS□6/23-1.5	1.5	2		88	86	79	72	67	58	49	40	25	12	

• 3VS□ in the above table can be replaced by any of 3VSD, 3VSE, 3VSS



DIMENSION AND WEIGHT

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(T)	T(T)	P	M(T)	T(T)
3~ 380 - 415V							
3VS□2/21-0.55	1"/1¼"/1½"	701	352	1053	3.3	5.6	8.9
3VS□2/27-0.75	1"/1¼"/1½"	839	392	1231	3.8	6.8	10.6
3VS□2/39-1.1	1"/1¼"/1½"	1116	472	1588	5.3	8.9	14.2
3VS□2/46-1.5	1"/1¼"/1½"	1324	507	1831	6.1	9.8	15.9

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(T)	T(T)	P	M(T)	T(T)
3~ 380 - 415V							
3VS□3/16-0.55	1"/1¼"/1½"	634	352	986	2.8	5.6	8.4
3VS□3/21-0.75	1"/1¼"/1½"	764	392	1156	3.4	6.8	10.2
3VS□3/31-1.1	1"/1¼"/1½"	1048	472	1520	4.6	8.9	13.5
3VS□3/37-1.5	1"/1¼"/1½"	1204	507	1711	5.2	9.8	15.0

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(T)	T(T)	P	M(T)	T(T)
3~ 380 - 415V							
3VS□4/13-0.55	1"/1¼"/1½"	627	352	979	2.6	5.6	8.2
3VS□4/17-0.75	1"/1¼"/1½"	753	392	1145	3.2	6.8	10.0
3VS□4/25-1.1	1"/1¼"/1½"	1029	472	1501	4.3	8.9	13.2
3VS□4/30-1.5	1"/1¼"/1½"	1187	507	1694	5.0	9.8	14.8

MODEL	DN	DIMENSION(mm)			WEIGHT(kg)		
		P	M(T)	T(T)	P	M(T)	T(T)
3~ 380 - 415V							
3VS□6/10-0.55	1¼"/1½"	564	352	916	2.3	5.6	7.9
3VS□6/13-0.75	1¼"/1½"	699	392	1091	2.6	6.8	9.4
3VS□6/19-1.1	1¼"/1½"	921	472	1393	3.5	8.9	12.4
3VS□6/23-1.5	1¼"/1½"	1093	507	1600	4.1	9.8	13.9