

3SD Series SUBMERSIBLE PUMPS

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%
Maximum immersion 80m
Minimum well diameter 3"

Motor and Pump

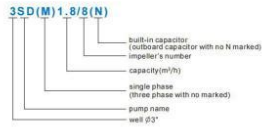
Rewindable motor
Single-phase 220-240V/50Hz
Three-phase 380-415V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9001

Options on request

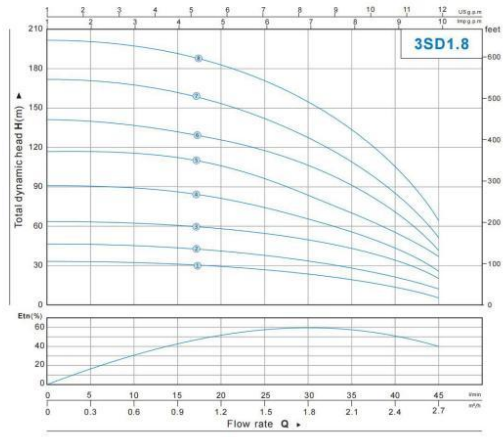
Special mechanical seal
Single phase motor with built-in capacitor

Warranty: 2 years

(according to our general sales conditions)

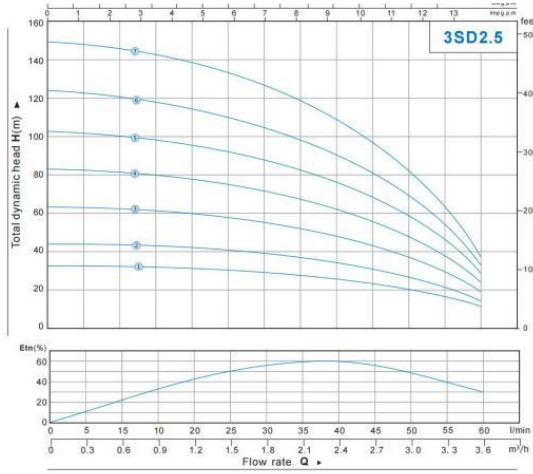


Components	Material
Pump external casing	AlSi 304 SS
Delivery casing	Cast-Cu ASTM C85000
Swallow lantern	Cast-Cu ASTM C85000
Diffuser	Plastic PC
Impeller	Plastic POM
Shaft	AlSi 304 SS
Shaft coupling	AlSi 304 SS
Wear ring	AlSi 304 SS
Motor external casing	AlSi 304 SS
Top shock	Cast-Cu ASTM C85000
Bottom support	AlSi 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic/TC)
Shaft	AlSi 304 SS/ASTM 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutical use



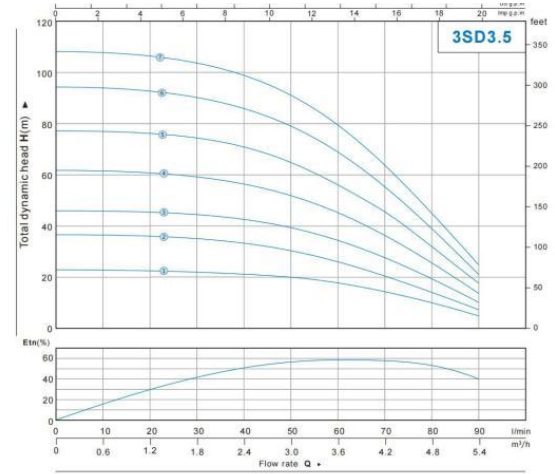
PERFORMANCE DATA 50Hz

MODEL	P2		DELIVERY n=2850 1/min												
	1-220-240V	3-380-415V	Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7		
3SDM1.8/8	3SD1.8/8	0.15 0.25	H(m)	35	34	34	33	32	29	26	22	17	11		
3SDM1.8/11	3SD1.8/11	0.25 0.33		48	47	47	46	44	40	36	30	24	15		
3SDM1.8/15	3SD1.8/15	0.37 0.5		65	64	64	63	60	55	49	41	33	21		
3SDM1.8/21	3SD1.8/21	0.55 0.75		91	90	90	88	84	77	68	58	46	29		
3SDM1.8/27	3SD1.8/27	0.75 1		117	116	115	113	107	99	88	75	59	38		
3SDM1.8/33	3SD1.8/33	1.1 1.5		143	142	141	138	131	121	107	91	72	46		
3SDM1.8/39	3SD1.8-39	1.1 1.5		168	168	167	163	155	143	127	108	85	55		
3SDM1.8/47	3SD1.8/47	1.5 2		203	202	201	196	187	172	153	130	102	68		



PERFORMANCE DATA 50Hz

MODEL	P2		DELIVERY n=2850 1/min																
	1-220-240V	3-380-415V	Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3	3.6			
3SDM2.5/8	3SD2.5/8	0.25 0.33	H(m)	32	32	31	30	30	29	27	26	24	21	18	13	8			
3SDM2.5/11	3SD2.5/11	0.37 0.5		44	43	43	42	41	39	37	35	32	29	24	18	11			
3SDM2.5/16	3SD2.5/16	0.55 0.75		64	63	62	61	59	57	54	51	47	42	35	27	16			
3SDM2.5/21	3SD2.5/21	0.75 1		84	83	82	80	78	75	72	68	62	56	48	38	21			
3SDM2.5/26	3SD2.5/26	1.1 1.5		104	103	101	101	96	93	89	84	77	69	57	44	28			
3SDM2.5/31	3SD2.5/31	1.1 1.5		124	122	121	121	115	111	106	100	91	82	68	52	31			
3SDM2.5/37	3SD2.5/37	1.5 2		148	146	144	141	137	132	126	119	109	98	81	62	37			



PERFORMANCE DATA 50Hz

MODEL	P2		DELIVERY n=2850 1/min																
	1-220-240V	3-380-415V	Q (m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4						
3SDM3.5/6	3SD3.5/6	0.25 0.33	H(m)	23	23	23	22	21	20	17	14	10	5						
3SDM3.5/9	3SD3.5/9	0.37 0.5		35	34	34	33	32	29	26	21	15	8						
3SDM3.5/12	3SD3.5/12	0.55 0.75		46	46	45	45	42	39	34	28	20	11						
3SDM3.5/16	3SD3.5/16	0.75 1		62	61	61	59	57	52	46	37	28	14						
3SDM3.5/20	3SD3.5/20	1.1 1.5		77	76	76	74	71	65	57	46	33	18						
3SDM3.5/24	3SD3.5/24	1.1 1.5		93	92	91	89	85	78	69	56	39	21						
3SDM3.5/28	3SD3.5/28	1.5 2		108	107	106	104	99	91	80	65	46	25						

3.5SD Series SUBMERSIBLE PUMPS

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%
Maximum immersion: 60m
Minimum well diameter: 3"

Motor and Pump

Rewindable motor
Single-phase: 220-240V/50Hz
Three-phase: 380-415V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9001

Options on request

Special mechanical seal
Single phase motor with built-in capacitor

Warranty: 2 years

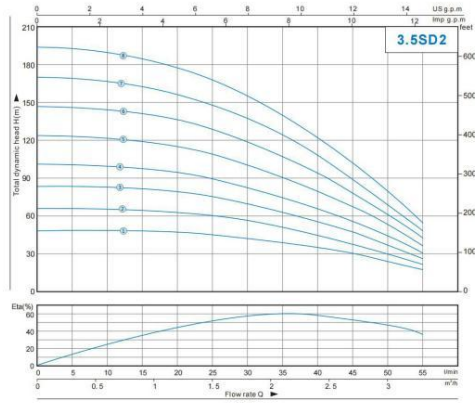
(according to our general sales conditions)



3.5SD(M)3/6(N)

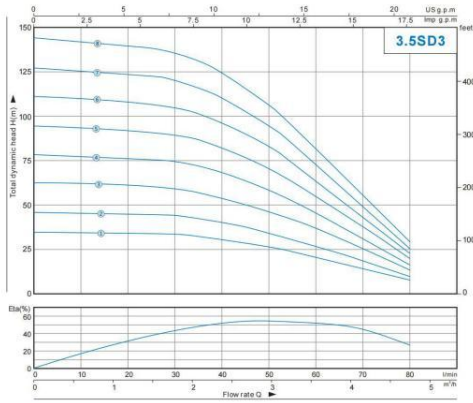
- built-in capacitor (outward capacitor with no N marked)
- impeller's number
- capacity (m³/h)
- single phase (three phase with no marked)
- pump name
- well Ø 3.5"

Components	Material
Pump-external casing	AlSi304 SS
Delivery casing	Cast-Cu/ASTM C85500
Section fastener	Cast-Cu/ASTM C85500
Diffuser	Plastic-PC
Impeller	Plastic-POM
Shaft	AlSi304 SS
Shaft coupling	AlSi304 SS
Wear ring	AlSi304 SS
Motor-external casing	AlSi304 SS
Tip check	Cast-Iron/ASTM C8000
Bottom support	AlSi304 SS
Mechanical seal	Special seal for deep well (Synthetic Ceramic)
Shaft	AlSi304 SS-ASTM S140
Bearing	NBK
Seal/lubricant oil	Oil for foot machinery and pharmaceutical use



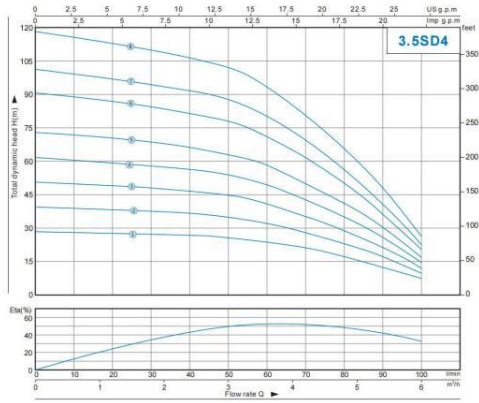
PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY n=2850 1/min												
		Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3
220-240V 380-415V	KW HP	Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3
3.5SDM2/8	3.5SD2/8	0.25 0.33	47	47	46	45	43	41	38	34	29	24	18	12
3.5SDM2/11	3.5SD2/11	0.37 0.5	65	64	63	62	59	56	52	46	40	33	25	16
3.5SDM2/14	3.5SD2/14	0.55 0.75	83	82	81	78	76	71	66	59	51	42	32	21
3.5SDM2/17	3.5SD2/17	0.75 1	100	99	98	95	92	87	80	72	62	51	39	25
3.5SDM2/21	3.5SD2/21	1.1 1.5	124	123	121	118	113	107	99	88	76	63	48	31
3.5SDM2/25	3.5SD2/25	1.1 1.5	148	146	144	140	135	127	117	105	91	75	57	37
3.5SDM2/29	3.5SD2/29	1.5 2	171	170	167	163	156	148	136	122	105	87	66	43
3.5SDM2/33	3.5SD2/33	1.5 2	195	193	190	186	179	169	155	139	120	99	75	49



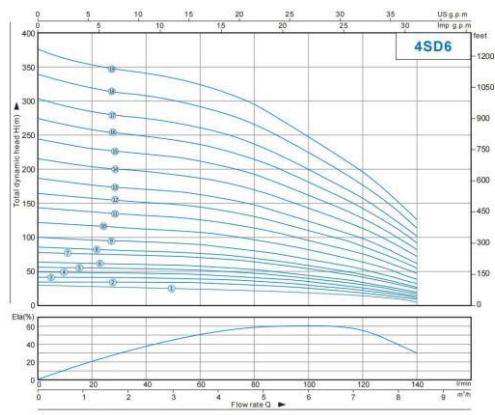
PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY n=2850 1/min									
		Q (m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
220-240V 380-415V	KW HP	Q (m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
3.5SDM3/6	3.5SD3/6	0.25 0.33	33	33	32	32	29	26	19	13	6
3.5SDM3/8	3.5SD3/8	0.37 0.5	45	44	43	42	38	33	25	17	9
3.5SDM3/11	3.5SD3/11	0.55 0.75	61	61	59	58	53	45	35	24	12
3.5SDM3/14	3.5SD3/14	0.75 1	78	77	75	74	67	58	44	30	15
3.5SDM3/17	3.5SD3/17	1.1 1.5	95	94	92	90	82	70	54	37	18
3.5SDM3/20	3.5SD3/20	1.1 1.5	112	110	108	105	96	82	63	43	22
3.5SDM3/23	3.5SD3/23	1.5 2	128	127	124	121	111	95	73	50	25
3.5SDM3/26	3.5SD3/26	1.5 2	145	143	140	137	125	107	82	56	28



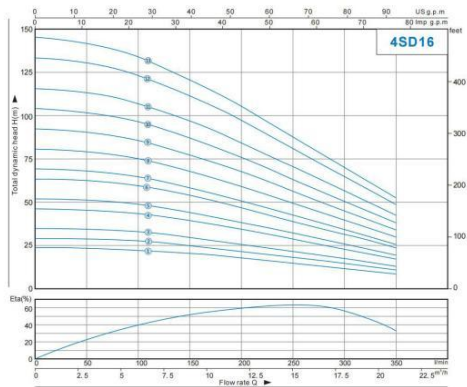
PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY n=2850 1/min											
		Q (m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
220-240V 380-415V	KW HP	Q (m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
3.5SDM4/5	3.5SD4/5	0.25 0.33	28	28	27	26	25	22	19	15	11	8	
3.5SDM4/7	3.5SD4/7	0.37 0.5	40	39	38	37	36	34	31	27	22	16	
3.5SDM4/8	3.5SD4/8	0.55 0.75	51	50	49	48	46	44	40	34	28	20	
3.5SDM4/11	3.5SD4/11	0.75 1	62	61	60	58	56	54	49	42	34	25	
3.5SDM4/13	3.5SD4/13	1.1 1.5	74	72	71	69	66	64	58	50	40	29	
3.5SDM4/16	3.5SD4/16	1.1 1.5	91	89	87	85	82	82	76	71	61	50	
3.5SDM4/18	3.5SD4/18	1.5 2	102	100	98	95	92	92	88	80	69	56	
3.5SDM4/21	3.5SD4/21	1.5 2	119	127	114	111	107	103	93	80	65	47	



PERFORMANCE DATA 50Hz

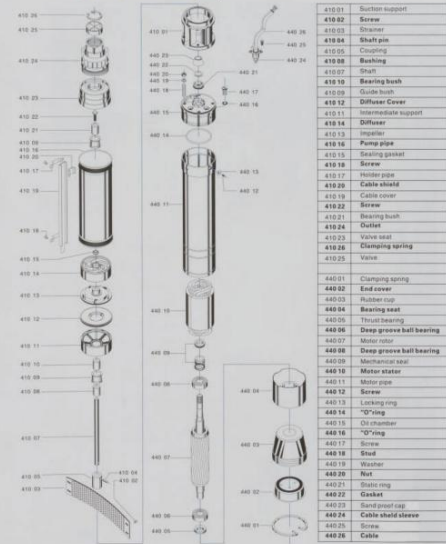
MODEL	P2	DELIVERY n=2850 1/min																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		Q (m³/min)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
4SDM6/4	4SD/6/4	0.37	0.5	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0	100.1	100.2	100.3	100.4	100.5	100.6	100.7	100.8	100.9	101.0	101.1	101.2	101.3	101.4	101.5	101.6	101.7	101.8	101.9	102.0	102.1	102.2	102.3	102.4	102.5	102.6	102.7	102.8	102.9	103.0	103.1	103.2	103.3	103.4	103.5	103.6	103.7	103.8	103.9	104.0	104.1	104.2	104.3	104.4	104.5	104.6	104.7	104.8	104.9	105.0	105.1	105.2	105.3	105.4	105.5	105.6	105.7	105.8	105.9	106.0	106.1	106.2	106.3	106.4	106.5	106.6	106.7	106.8	106.9	107.0	107.1	107.2	107.3	107.4	107.5	107.6	107.7	107.8	107.9	108.0	108.1	108.2	108.3	108.4	108.5	108.6	108.7	108.8	108.9	109.0	109.1	109.2	109.3	109.4	109.5	109.6	109.7	109.8	109.9	110.0	110.1	110.2	110.3	110.4	110.5	110.6	110.7	110.8	110.9	111.0	111.1	111.2	111.3	111.4	111.5	111.6	111.7	111.8	111.9	112.0	112.1	112.2	112.3	112.4	112.5	112.6	112.7	112.8	112.9	113.0	113.1	113.2	113.3	113.4	113.5	113.6	113.7	113.8	113.9	114.0	114.1	114.2	114.3	114.4	114.5	114.6	114.7	114.8	114.9	115.0	115.1	115.2	115.3	115.4	115.5	115.6	115.7	115.8	115.9	116.0	116.1	116.2	116.3	116.4	116.5	116.6	116.7	116.8	116.9	117.0	117.1	117.2	117.3	117.4	117.5	117.6	117.7	117.8	117.9	118.0	118.1	118.2	118.3	118.4	118.5	118.6	118.7	118.8	118.9	119.0	119.1	119.2	119.3	119.4



PERFORMANCE DATA 50Hz		P ₂		DELIVERY n=2850 1/min													
MODEL	P ₁	KW	HP	Q _{min} m³/h	Q m³/h												
					0	3	6	9	12	15	18	21					
1- 220-240V	300-415V				0	50	100	150	200	250	300	350	400	450	500	550	600
4SDM16/4	4SD16/4	1.1	1.5		24	23	22	20	18	15	12	9	6	4	3	2	1
4SDM16/5	4SD16/5	1.5	2		30	29	28	25	22	19	15	11	8	6	4	3	2
4SDM16/6	4SD16/6	1.5	2		36	35	33	30	26	22	18	13	10	7	5	4	3
4SDM16/8	4SD16/8	2.2	3		47	46	44	40	35	30	24	17	13	9	7	5	4
4SDM16/9	4SD16/9	2.2	3		53	52	50	45	40	33	27	19	14	10	7	5	4
4SDM16/11	4SD16/11	3	4		65	64	61	55	48	41	33	24	18	13	9	7	5
-	4SD16/12	3	4		71	70	66	60	53	45	36	26	19	14	10	7	5
-	4SD16/14	4	5.5		83	81	77	70	62	52	42	30	22	16	11	8	6
-	4SD16/16	4	5.5		95	93	88	80	70	60	48	35	26	19	14	10	7
-	4SD16/18	5.5	7.5		107	104	99	90	79	67	54	39	28	20	15	11	8
-	4SD16/20	5.5	7.5		118	116	110	100	88	74	60	43	31	23	17	12	9
-	4SD16/23	7.5	10		136	133	127	115	101	86	69	50	36	27	20	15	11
-	4SD16/25	7.5	10		148	145	138	125	110	93	75	54	39	29	21	16	12

4SD Series SUBMERSIBLE PUMPS

The structure, code and name of the pump



4SS Series SUBMERSIBLE PUMPS

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%
Maximum immersion 80m
Minimum well diameter: 4"

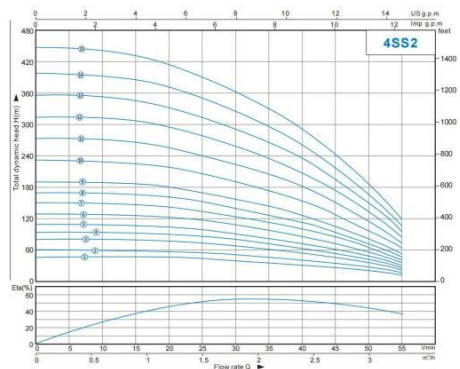
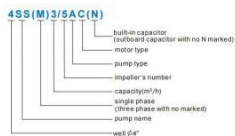
Motor and Pump
Reversible motor
Single-phase 220-240V/50Hz
Three-phase 380-415V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9901

Options on request
Special mechanical seal
Single phase motor with built-in capacitor

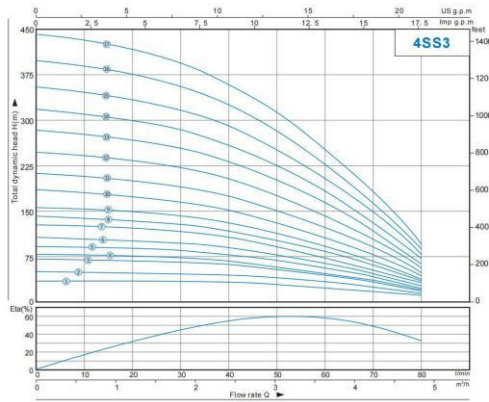
Warranty: 2 years
(according to our general sales conditions)



Components	Material
Pump external casing	ASI 304 SS
Delivery casing	ASI 304 SS
Subsion tank	ASI 304 SS
Diffuser	Plastic PC
Impeller	Plastic POM
Shaft	ASI 304 SS
Shaft coupling	ASI 304 SS
Clear ring	ASI 304 SS
Motor external casing	ASI 304 SS
Tap check	Cast Cu ASTM C8500 2:ASI 400 SS
Bottom support	ASI 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic)
Shaft	ASI 304 SS ASTM A314
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

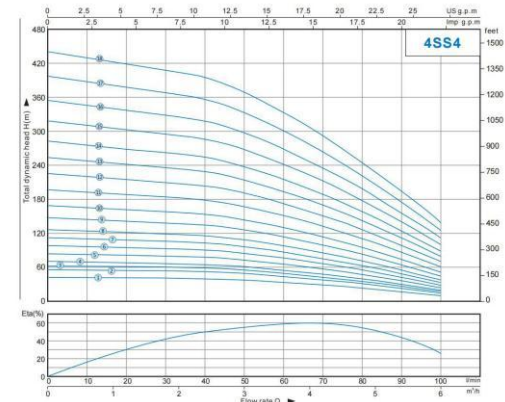


PERFORMANCE DATA 50Hz		P ₂		DELIVERY n=2850 1/min													
MODEL	P ₁	KW	HP	Q _{min} m³/h	Q m³/h												
					0	3	6	9	12	15	18	21	24	27	30		
1- 220-240V	380-415V				0	3	6	9	12	15	18	21	24	27	30	33	36
4SSM2/7	4SS2/7	0.25	0.33		49	49	49	46	44	40	37	32	27	21	13	11	10
4SSM2/9	4SS2/9	0.37	0.5		63	63	63	62	59	56	52	47	42	35	27	17	17
4SSM2/12	4SS2/12	0.55	0.75		84	84	84	82	79	75	69	63	56	47	36	23	23
4SSM2/14	4SS2/14	0.75	1		98	98	96	96	92	87	81	73	65	54	42	27	27
4SSM2/16	4SS2/16	0.75	1		112	112	110	106	99	92	84	74	62	48	31	31	31
4SSM2/19	4SS2/19	1.1	1.5		134	134	132	130	126	118	109	100	88	74	57	38	38
4SSM2/22	4SS2/22	1.1	1.5		155	155	153	151	145	137	127	117	105	88	66	42	42
4SSM2/25	4SS2/25	1.5	2		176	176	174	171	164	155	144	131	116	97	75	48	48
4SSM2/28	4SS2/28	1.5	2		197	197	195	192	184	174	161	147	130	109	84	53	53
4SSM2/34	4SS2/34	2.2	3		230	230	227	223	211	198	178	157	132	102	65	65	65
4SSM2/40	4SS2/40	2.2	3		281	281	279	274	263	249	230	210	185	155	120	76	76
4SSM2/46	4SS2/46	3	4		323	323	321	315	302	286	265	241	213	178	138	88	88
-	4SS2/52	3	4		360	360	358	350	342	320	290	273	241	202	158	99	99
-	4SS2/62	4	5.5		408	408	404	397	381	365	334	304	276	228	174	111	111
-	4SS2/65	4	5.5		457	457	453	445	427	404	374	341	301	252	195	124	124



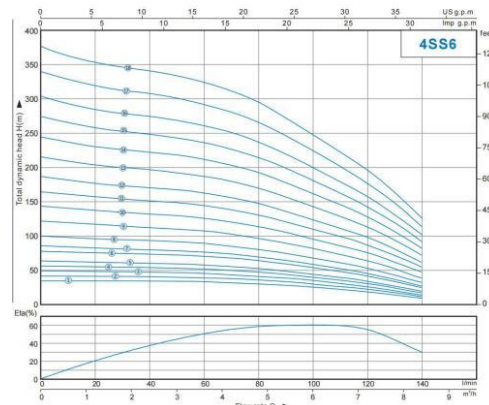
PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY	n=2850 1/min											
			Q m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8		
1- 220-240V	3- 380-415V	Kw	HP	0	10	20	30	40	50	60	70	80		
4SSM3/5	4SS3/5	0.25	0.33	36	35	34	32	29	25	20	14	7		
4SSM3/7	4SS3/7	0.37	0.5	50	49	47	45	41	35	28	20	10		
4SSM3/10	4SS3/10	0.55	0.75	72	70	68	64	58	50	40	29	15		
4SSM3/11	4SS3/11	0.75	1	79	77	75	70	64	56	45	32	16		
4SSM3/13	4SS3/13	0.75	1	93	91	88	83	76	66	53	38	19		
4SSM3/15	4SS3/15	1.1	1.5	108	105	102	96	88	76	61	43	22		
4SSM3/16	4SS3/16	1.1	1.5	126	126	122	115	105	91	73	52	27		
4SSM3/20	4SS3/20	1.5	2	144	140	135	128	117	101	81	58	30		
4SSM3/22	4SS3/22	1.5	2	158	154	149	141	128	111	89	64	33		
4SSM3/26	4SS3/26	2.2	3	187	182	178	168	152	131	105	76	39		
4SSM3/30	4SS3/30	2.2	3	210	210	203	192	175	151	121	87	45		
4SSM3/35	4SS3/35	3	4	251	245	237	224	204	177	142	101	56		
4SSM3/35	4SS3/35	3	4	281	280	271	255	234	202	162	116	60		
4SSM3/40	4SS3/40	4	5.5	323	315	305	287	263	227	182	130	67		
4SSM3/40	4SS3/40	4	5.5	358	350	339	319	292	252	202	144	75		
4SSM3/45	4SS3/45	5.5	7.5	402	392	379	358	327	283	227	162	84		
4SSM3/45	4SS3/45	5.5	7.5	445	434	420	396	362	313	251	179	93		



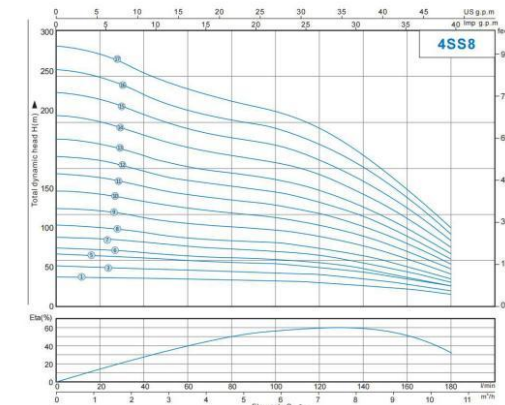
PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY	n=2850 1/min											
			Q m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
1- 220-240V	3- 380-415V	Kw	HP	0	10	20	30	40	50	60	70	80	90	100
4SSM4/5	4SS4/5	0.37	0.5	44	42	41	40	39	36	33	29	24	19	14
4SSM4/5	4SS4/5	0.55	0.75	58	56	55	54	52	49	44	39	33	26	18
4SSM4/9	4SS4/9	0.75	1	65	63	62	60	58	55	49	44	37	29	21
4SSM4/10	4SS4/10	0.75	1	73	70	69	67	65	61	55	48	41	32	23
4SSM4/12	4SS4/12	1.1	1.5	87	84	82	81	78	73	66	58	49	39	27
4SSM4/14	4SS4/14	1.1	1.5	102	98	96	94	91	85	77	68	57	45	32
4SSM4/16	4SS4/16	1.5	2	116	113	110	107	104	97	88	77	65	51	37
4SSM4/16	4SS4/16	1.5	2	131	127	124	121	117	109	99	87	73	58	41
4SSM4/21	4SS4/21	2.2	3	152	148	144	141	136	128	115	102	85	67	48
4SSM4/24	4SS4/24	2.2	3	174	168	163	158	148	132	116	98	77	57	39
4SSM4/26	4SS4/26	3	4	203	197	192	188	182	170	154	135	114	90	64
4SSM4/26	4SS4/26	3	4	232	225	220	215	208	195	176	155	130	103	73
4SSM4/30	4SS4/30	4	5.5	261	253	247	242	234	219	198	174	146	116	82
4SSM4/30	4SS4/30	4	5.5	290	281	275	268	260	243	220	194	163	128	92
4SSM4/35	4SS4/35	5.5	7.5	327	316	309	302	293	274	249	218	183	144	103
4SSM4/35	4SS4/35	5.5	7.5	363	352	344	335	325	304	276	242	203	160	115
4SSM4/40	4SS4/40	7.5	10	406	394	385	376	364	341	308	271	228	180	128
4SSM4/40	4SS4/40	7.5	10	450	436	426	416	403	377	341	300	252	199	142



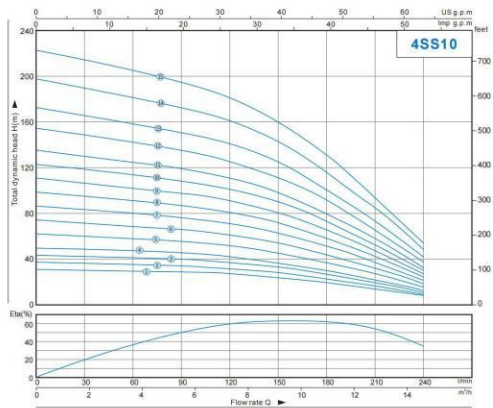
PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY	n=2850 1/min										
			Q m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4		
1- 220-240V	3- 380-415V	Kw	HP	0	20	40	60	80	100	120	140		
4SSM6/5	4SS6/5	0.37	0.5	36	34	33	31	28	24	19	12		
4SSM6/5	4SS6/5	0.55	0.75	43	41	39	37	34	29	23	15		
4SSM6/7	4SS6/7	0.75	1	51	47	45	44	40	33	26	17		
4SSM6/9	4SS6/9	0.75	1	58	54	52	50	45	38	30	20		
4SSM6/9	4SS6/9	1.1	1.5	65	61	59	56	51	43	34	22		
4SSM6/11	4SS6/11	1.1	1.5	69	64	62	60	55	46	37	25		
4SSM6/12	4SS6/12	1.5	2	87	81	79	75	68	57	45	29		
4SSM6/14	4SS6/14	1.5	2	101	95	92	87	79	67	53	34		
4SSM6/17	4SS6/17	2.2	3	123	115	111	106	96	81	64	42		
4SSM6/20	4SS6/20	2.2	3	145	135	131	125	113	95	76	49		
4SSM6/23	4SS6/23	3	4	166	156	151	143	130	110	87	56		
4SSM6/26	4SS6/26	3	4	189	178	171	162	147	124	98	63		
4SSM6/30	4SS6/30	4	5.5	215	202	197	187	170	143	113	73		
4SSM6/34	4SS6/34	4	5.5	246	230	223	212	193	162	130	83		
4SSM6/39	4SS6/39	5.5	7.5	275	257	249	237	216	181	143	85		
4SSM6/42	4SS6/42	5.5	7.5	304	284	275	262	238	200	158	103		
4SSM6/47	4SS6/47	7.5	10	340	318	308	293	267	224	177	115		
4SSM6/47	4SS6/47	7.5	10	376	352	341	324	295	248	186	127		



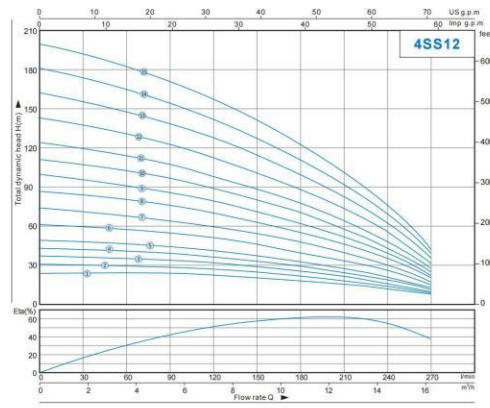
PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY	n=2850 1/min											
			Q m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	
1- 220-240V	3- 380-415V	Kw	HP	0	20	40	60	80	100	120	140	160	180	
4SSM8/5	4SS8/5	0.55	0.75	32	31	29	28	25	24	22	18	14	9	
4SSM8/5	4SS8/5	0.75	1	38	37	36	32	30	29	26	22	17	11	
4SSM8/7	4SS8/7	0.75	1	44	43	39	37	35	33	30	26	20	13	
4SSM8/9	4SS8/9	1.1	1.5	50	49	45	42	40	38	35	30	23	15	
4SSM8/9	4SS8/9	1.1	1.5	57	55	51	47	45	43	39	33	26	17	
4SSM8/10	4SS8/10	1.5	2	63	61	56	53	50	48	43	37	28	18	
4SSM8/12	4SS8/12	1.5	2	76	73	67	63	60	57	52	44	34	22	
4SSM8/14	4SS8/14	2.2	3	88	86	79	74	70	67	61	52	40	26	
4SSM8/17	4SS8/17	2.2	3	107	104	90	85	81	74	63	48	31		
4SSM8/20	4SS8/20	3	4	126	122	112	105	100	92	74	57	37		
4SSM8/23	4SS8/23	3	4	145	141	129	121	115	109	105	85	65	42	
4SSM8/26	4SS8/26	4	5.5	164	159	146	137	130	124	113	86	74	48	
4SSM8/29	4SS8/29	4	5.5	183	177	163	153	145	138	128	107	82	53	
4SSM8/33	4SS8/33	5.5	7.5	208	202	186	174	165	157	143	122	94	61	
4SSM8/37	4SS8/37	5.5	7.5	234	226	208	195	185	176	160	136	105	68	
4SSM8/41	4SS8/41	7.5	10	259	251	231	216	205	195	178	151	117	76	
4SSM8/45	4SS8/45	7.5	10	284	276	253	237	225	214	195	166	128	83	



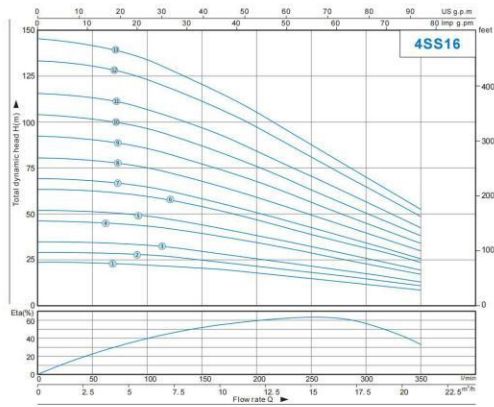
PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY	n~2850 1/min	Q (m³/h)																
				0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4								
4SSM10/5	4SS10/5	0.75 1		31	30	28	27	25	22	18	13	7								
4SSM10/6	4SS10/6	1.1 1.5		43	42	39	38	35	31	25	18	10								
4SSM10/7	4SS10/7	1.1 1.5		49	48	45	43	40	35	29	21	12								
4SSM10/8	4SS10/8	1.5 2		62	59	55	54	50	44	36	26	14								
4SSM10/9	4SS10/9	1.5 2		74	71	68	64	60	53	43	31	17								
4SSM10/12	4SS10/12	2.2 3		86	83	78	75	70	62	51	36	20								
4SSM10/14	4SS10/14	2.2 3		99	95	90	86	80	71	58	41	23								
4SSM10/16	4SS10/16	3 4		111	107	101	96	90	78	65	46	26								
4SSM10/20	4SS10/20	4 5.5		123	119	113	107	100	88	72	52	29								
4SSM10/22	4SS10/22	4 5.5		136	131	124	118	110	97	79	57	32								
4SSM10/26	4SS10/26	5.5 7.5		154	149	141	134	125	110	90	65	36								
4SSM10/28	4SS10/28	5.5 7.5		173	168	159	150	140	124	101	72	40								
4SSM10/32	4SS10/32	7.5 10		197	190	180	172	160	141	116	83	46								
4SSM10/36	4SS10/36	7.5 10		222	214	203	193	180	159	130	93	52								



PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY	n~2850 1/min	Q (m³/h)																
				0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2							
4SSM12/4	4SS12/4	0.75 1		25	24	23	21	20	18	15	13	9	5							
4SSM12/5	4SS12/5	1.1 1.5		31	30	29	27	25	22	19	16	12	6							
4SSM12/6	4SS12/6	1.1 1.5		38	36	34	32	29	25	23	19	14	8							
4SSM12/7	4SS12/7	1.5 2		44	42	40	37	34	31	27	22	18	9							
4SSM12/8	4SS12/8	1.5 2		50	48	46	43	39	35	31	25	19	10							
4SSM12/10	4SS12/10	2.2 3		63	60	57	53	49	44	38	32	23	13							
4SSM12/12	4SS12/12	2.2 3		75	72	69	64	59	53	45	38	28	15							
4SSM12/14	4SS12/14	3 4		88	84	80	75	69	62	54	44	33	18							
4SSM12/16	4SS12/16	3 4		101	96	92	86	79	71	62	51	38	21							
4SSM12/18	4SS12/18	4 5.5		113	108	103	96	88	79	69	57	42	23							
4SSM12/20	4SS12/20	4 5.5		126	120	114	107	98	88	77	63	47	26							
4SSM12/23	4SS12/23	5.5 7.5		144	138	132	123	113	101	88	73	54	29							
4SSM12/26	4SS12/26	5.5 7.5		163	156	149	139	128	115	100	82	61	33							
4SSM12/29	4SS12/29	7.5 10		182	174	166	155	142	128	111	92	68	37							
4SSM12/32	4SS12/32	7.5 10		201	192	183	171	157	141	123	101	75	41							



PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY	n~2850 1/min	Q (m³/h)																
				0	3	6	9	12	15	18	21									
4SSM16/4	4SS16/4	1.1 1.5		24	23	22	20	18	15	12	9									
4SSM16/5	4SS16/5	1.5 2		30	29	28	25	22	19	15	11									
4SSM16/6	4SS16/6	1.5 2		35	35	33	30	26	22	18	13									
4SSM16/8	4SS16/8	2.2 3		47	46	44	40	35	30	24	17									
4SSM16/9	4SS16/9	2.2 3		53	52	50	45	40	33	27	19									
4SSM16/11	4SS16/11	3 4		65	64	61	55	48	41	33	24									
4SSM16/12	4SS16/12	3 4		71	70	68	60	53	45	36	26									
4SSM16/14	4SS16/14	4 5.5		83	81	77	70	62	52	42	30									
4SSM16/16	4SS16/16	4 5.5		95	93	88	80	70	60	48	35									
4SSM16/18	4SS16/18	5.5 7.5		107	104	99	90	79	67	54	39									
4SSM16/20	4SS16/20	5.5 7.5		118	116	110	100	88	74	60	43									
4SSM16/23	4SS16/23	7.5 10		136	133	127	115	101	86	69	50									
4SSM16/26	4SS16/26	7.5 10		148	145	138	125	110	93	75	54									

ST Series SUBMERSIBLE PUMPS

Slimline submersible borehole pumps suitable for larger deep wells. Manufactured from corrosion & abrasion resistant materials. Close coupled to NEMA standard submersible motor. Designed for flow rates up to 24 m³/h & head up to 375 meters.

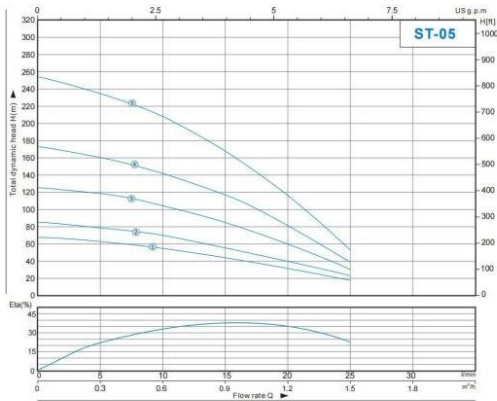
Application
Groundwater supply to water works
Irrigation in horticulture and agriculture
Groundwater lowering
Pressure boosting
Industrial applications
Water treatment

CONSTRUCTION CHARACTERISTICS PUMP

Application stainless steel, ensuring resistance to corrosion, durability and a sturdy coupling to the motor. The hexagonal pump shaft guarantees an effective impeller driving. A stainless steel non-return valve is fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pump, thus safeguarding impellers and diffusers. The 4ST series pumps can be coupled ASD (M) motors. For the motor characteristics, please check the relevant motor section.

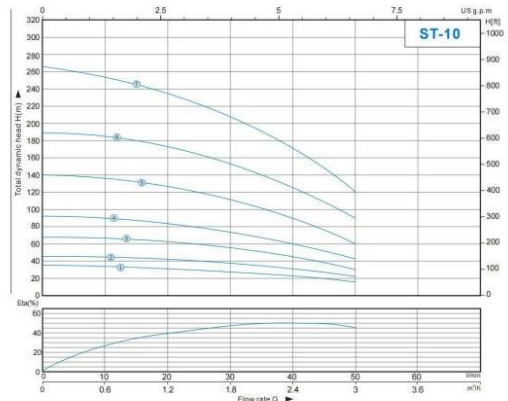
Motor
For the motor characteristics, please check the relevant motor section.





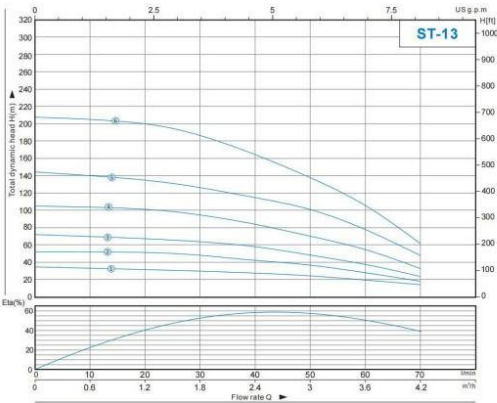
PERFORMANCE DATA 50Hz

PUMP TYPE	Stages	Motor		Q=DELIVERY																PUMP length	PUMP weight
		kW	HP	H-TOTAL HEAD IN METERS																	
				5	10	15	20	25	30	35	40	45	50	60	70	80					
ST-0510	10	0.4	0.5	57	63	55	46	33	18											304	3.3
ST-0513	13	0.4	0.5	86	78	70	56	42	23											377	3.7
ST-0519	19	0.6	0.8	126	118	105	86	60	30											481	4.7
ST-0529	26	0.8	1.0	173	160	141	117	81	39											642	5.8
ST-0538	38	1.1	1.5	253	234	208	169	117	52											864	8.2



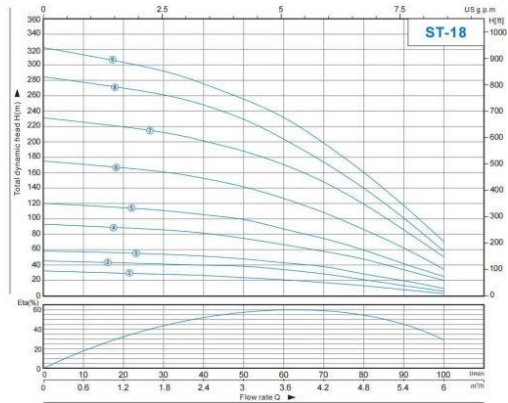
PERFORMANCE DATA 50Hz

PUMP TYPE	Stages	Motor		Q=DELIVERY																PUMP length	PUMP weight	
		kW	HP	H-TOTAL HEAD IN METERS																		
				5	10	15	20	25	30	35	40	45	50	60	70	80						
ST-1085	5	0.4	0.4	34						32	31	29	27	25	23	19	16				256	2.5
ST-1087	7	0.4	0.4	46						43	42	39	36	33	29	26	22				271	2.8
ST-1010	10	0.6	0.6	69						65	63	60	55	50	44	37	29				324	3.3
ST-1014	14	0.8	0.8	92						86	83	79	74	67	60	52	42				394	3.9
ST-1020	20	1.1	1.1	139						131	127	120	111	101	90	75	60				499	4.9
ST-1028	28	1.5	1.5	189						178	172	164	153	140	126	108	90				680	6.9
ST-1040	40	2.2	2.2	265						247	237	224	208	189	170	147	120				885	9.3



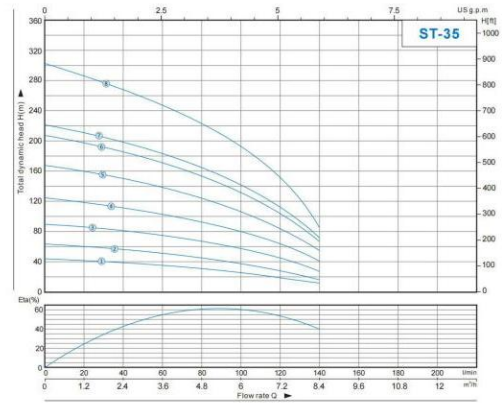
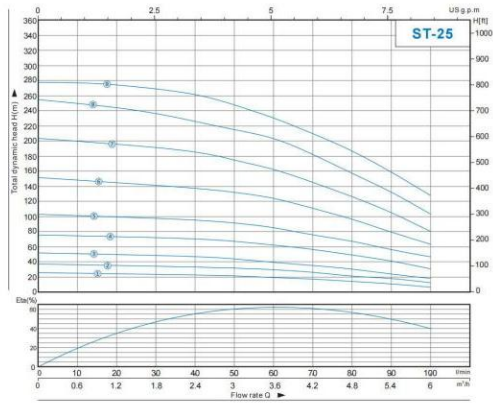
PERFORMANCE DATA 50Hz

PUMP TYPE	Stages	Motor		Q=DELIVERY																PUMP length	PUMP weight	
		kW	HP	H-TOTAL HEAD IN METERS																		
				5	10	15	20	25	30	35	40	45	50	60	70	80						
ST-1305	5	0.4	0.5	34						32	31	30	29	28	26	24	19	13			236	2.5
ST-1308	8	0.6	0.6	54						51	50	49	46	43	41	36	30	19			289	2.9
ST-1311	11	0.8	1.0	72						68	66	64	61	58	54	49	39	26			342	3.4
ST-1316	16	1.1	1.5	106						101	98	96	89	83	77	70	54	33			430	4.2
ST-1321	21	1.5	2.0	142						135	132	127	122	115	108	100	79	49			519	5.0
ST-1332	32	2.2	3.0	208						200	194	187	177	165	152	138	104	62			749	7.1



PERFORMANCE DATA 50Hz

PUMP TYPE	Stages	Motor		Q=DELIVERY																PUMP length	PUMP weight	
		kW	HP	H-TOTAL HEAD IN METERS																		
				15	20	25	30	35	40	45	50	60	70	80	90	100						
ST-1805	5	0.4	0.5	33						29	28	27	26	25	24	21	18	13	8	3	257	2.7
ST-1807	7	0.6	0.8	46						43	42	41	40	39	37	33	28	21	13	7	301	3.0
ST-1809	9	0.8	1.0	59						55	54	52	51	49	47	43	37	28	20	10	344	3.3
ST-1814	14	1.1	1.5	83						87	86	83	81	79	76	68	58	47	33	20	452	4.1
ST-1818	18	1.5	2.0	120						113	111	108	105	102	98	88	76	60	42	25	538	4.7
ST-1827	27	2.2	3.0	175						164	161	157	152	147	141	127	109	87	61	35	767	6.2
ST-1835	35	3.0	4.0	231						217	212	208	202	196	189	170	149	120	87	50	934	7.9
ST-1844	44	3.7	5.0	285						266	260	254	248	238	229	203	172	139	100	69	1128	9.3
ST-1848	48	4.0	5.5	322						299	292	285	278	267	256	231	199	160	118	70	1253	9.9



PERFORMANCE DATA 50Hz

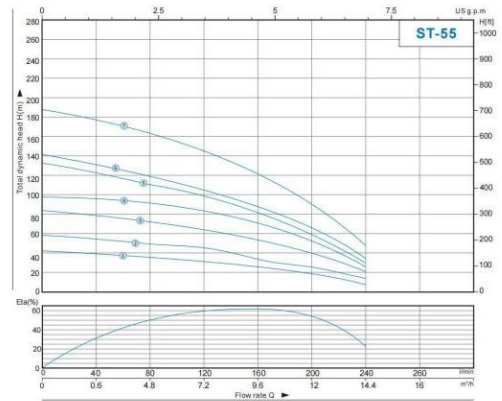
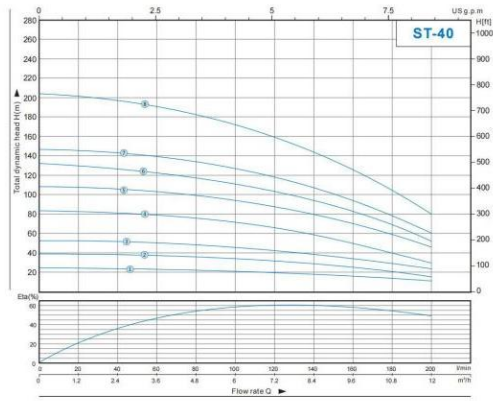
Selection Chart

PUMP TYPE	Stages	Motor		Q=DELIVERY													PUMP length (mm)	weight (kg)	
		kW	HP	m³/h															
				30	35	40	45	50	60	70	80	90	100	120	140	160			180
ST-2504	4	0.4	0.5	26	33	32	22	21	19	17	14	11	7					257	2.7
ST-2506	6	0.6	0.8	38	36	35	33	32	30	28	22	18	12					301	3.0
ST-2508	8	0.8	1.0	51	47	46	44	43	39	35	30	24	18					344	3.3
ST-2512	12	1.1	1.5	77	72	71	69	68	63	57	49	41	31					452	4.1
ST-2516	16	1.5	2.0	102	96	95	94	92	86	77	66	57	46					538	4.7
ST-2524	24	2.2	3.0	151	142	139	136	132	122	111	97	86	70					787	6.2
ST-2532	32	3.0	4.0	203	198	195	192	187	175	162	146	127	105	80				934	9.8
ST-2540	40	3.7	5.0	283	232	227	222	216	202	182	159	131	102					1128	9.3
ST-2544	44	4.0	5.5	278	265	260	254	247	230	210	187	159	127					1253	9.9

PERFORMANCE DATA 50Hz

Selection Chart

PUMP TYPE	Stages	Motor		Q=DELIVERY													PUMP length (mm)	weight (kg)	
		kW	HP	m³/h															
				30	35	40	45	50	60	70	80	90	100	120	140	160			180
ST-3507	7	0.8	1.0	42	36	34	32	30	28	25	19	11						390	3.7
ST-3510	10	1.1	1.5	62	53	51	48	45	41	36	29	18						483	4.6
ST-3514	14	1.5	2.0	90	77	74	71	68	63	59	46	28						607	5.7
ST-3520	20	2.2	3.0	125	107	102	97	92	86	80	62	40						831	7.5
ST-3527	27	3.0	4.0	169	145	139	131	123	115	107	84	55						1049	9.6
ST-3534	34	3.7	5.0	208	179	170	160	153	143	132	100	69						1257	11.6
ST-3538	38	4.0	5.5	231	190	181	173	164	154	143	112	72						1314	12.2
ST-3549	49	5.5	7.5	302	257	246	234	222	209	183	151	96						1602	15.8



PERFORMANCE DATA 50Hz

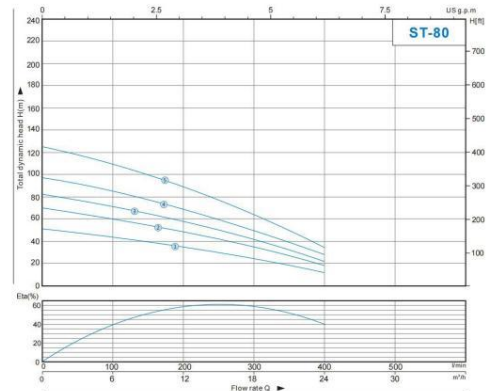
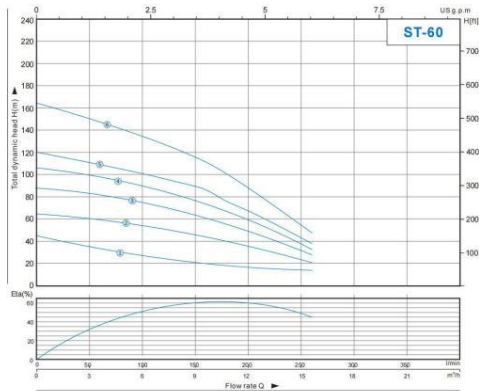
Selection Chart

PUMP TYPE	Stages	Motor		Q=DELIVERY													PUMP length (mm)	weight (kg)	
		kW	HP	m³/h															
				30	35	40	45	50	60	70	80	90	100	120	140	160			180
ST-4004	4	0.6	1.0	26	24	23	22	21	19	17	15	12						294	2.8
ST-4006	6	1.1	1.5	39	36	35	34	32	29	26	22	17						356	3.4
ST-4008	8	1.5	2.0	52	48	47	46	43	39	35	29	24						416	4.0
ST-4013	13	2.2	3.0	82	75	73	71	68	59	50	40	30						573	5.5
ST-4017	17	3.0	4.0	108	98	96	94	87	79	70	58	46						697	6.6
ST-4021	21	3.7	5.0	132	117	114	111	109	93	82	66	52						859	7.9
ST-4023	23	4.0	5.5	148	134	131	127	118	104	95	79	60						921	8.4
ST-4032	32	5.5	7.5	202	182	178	172	160	143	126	105	80						1238	11.0

PERFORMANCE DATA 50Hz

Selection Chart

PUMP TYPE	Stages	Motor		Q=DELIVERY													PUMP length (mm)	weight (kg)	
		kW	HP	m³/h															
				70	80	90	100	120	140	160	180	200	240	280	300	320			340
ST-5504	7	1.1	1.5	41	35	34	33	32	29	26	23	18	14	9				527	5.3
ST-5510	10	1.5	2.0	58	49	48	47	44	41	34	32	27	20	13				693	6.7
ST-5514	14	2.2	3.0	83	71	69	67	63	58	54	46	40	31	20				901	8.5
ST-5519	19	3.0	4.0	107	92	90	87	83	77	70	62	52	39	26				1147	10.4
ST-5522	22	3.7	5.0	131	110	107	104	98	91	82	71	60	45	30				1345	12.3
ST-5532	34	4.0	5.5	141	118	116	112	106	97	88	71	63	49	33				1448	13.2
ST-5532	32	5.0	7.5	189	162	157	153	144	134	122	107	90	70	47				1866	17.6



PERFORMANCE DATA 50Hz

PUMP TYPE	Stages	Motor	Q-DELIVERY																		PUMP length (mm)	PUMP weight (kg)
			m³/h @ 0.5m																			
			0	90	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360			
ST-6007	7	1.5	2.0	45															534	5.9		
ST-6010	10	2.2	3.0	64															690	6.7		
ST-6014	14	3.0	4.0	89															889	8.6		
ST-6017	17	3.7	5.0	107															1092	10.1		
ST-6019	19	4.0	5.5	120															1195	11.0		
ST-6026	26	5.5	7.5	163															1559	14.3		

PERFORMANCE DATA 50Hz

PUMP TYPE	Stages	Motor	Q-DELIVERY																		PUMP length (mm)	PUMP weight (kg)
			m³/h @ 0.5m																			
			0	90	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380		
ST-8007	8	2.2	3.0	51																	616.0	6.3
ST-8011	11	3.0	4.0	70																	880.0	8.1
ST-8013	13	3.7	5.0	81																	1013.0	9.6
ST-8015	15	4.0	5.5	97																	1148.0	10.5
ST-8022	20	5.5	7.5	125																	1489.0	13.5

4SA Series SUBMERSIBLE PUMPS

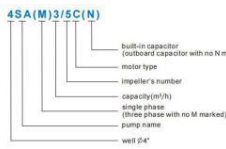
Applications
 For water supply from wells or reservoirs
 For domestic use, for civil and industrial applications
 For garden use and irrigation

Operating conditions
 Maximum fluid temperature up to +35°C
 Maximum sand content 0.25%
 Maximum immersion 60m
 Minimum well diameter 4"

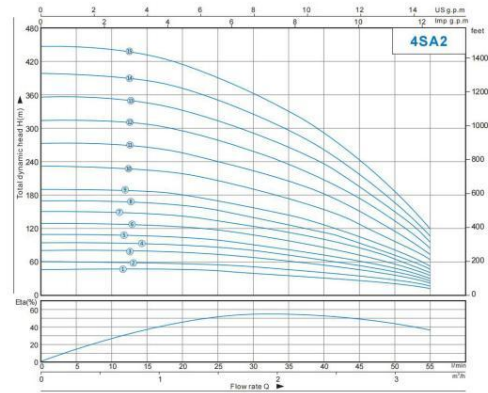
Motor and Pump
 Removable motor
 Single-phase 220-240V/50Hz
 Three-phase 380-415V/50Hz
 Equip with start control box or digital auto-control box
 Pumps are designed by casing stressed
 NEMA dimension standards
 Curve tolerance according to ISO 9901

Options on request
 Special mechanical seal
 Single phase motor with built-in capacitor

Warranty: 2 years
 (according to our general sales conditions)

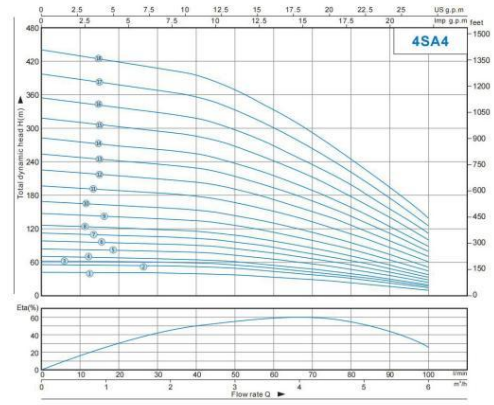
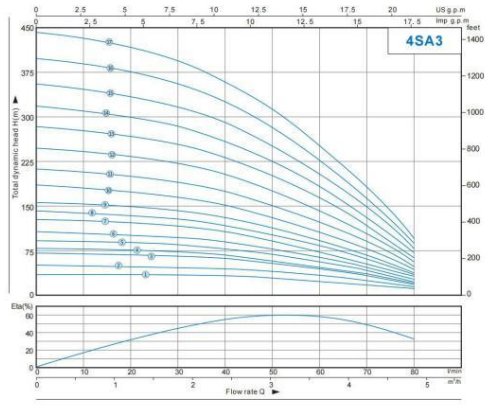


Components	Material
Pump-external casing	AlSi 304 SS
Delivery casing	AlSi 304 SS
Bustion-lantern	AlSi 304 SS
Diffuser	Plastic PC
Impeller	Plastic POM
Shaft	AlSi 304 SS
Shaft coupling	AlSi 304 SS
Whearing	AlSi 304 SS
Motor-external casing	AlSi 304 SS
Top-chock	Cast-Cu ASTM C8550 @AlSi 420 SS Cast-iron ASTM ND 30
Bottom support	AlSi 304 SS
Mechanical seal	Special seal for deep well (Graphite-Ceramic)
Shaft	AlSi 304 SS-ASTM 5140
Bearing	SKF
Seal/lubricant oil	Oil for food machinery and pharmaceutical use



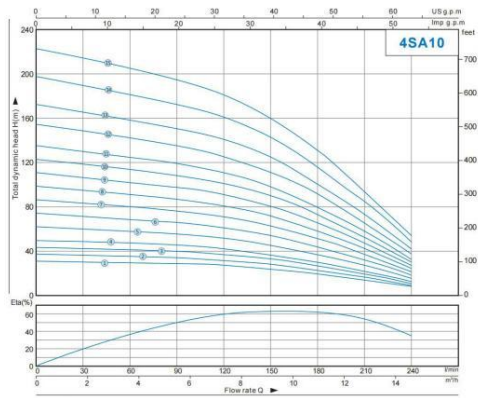
PERFORMANCE DATA 50Hz

PUMP TYPE	MODEL	P2	KW	HP	DELIVERY n=2850 1/min											
					Q (m³/h)											
					0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3
4SA2/7	4SA2/7	0.25	0.33		49	48	49	48	46	44	40	37	32	27	21	13
4SA2/9	4SA2/9	0.37	0.5		63	63	62	62	59	56	52	47	42	35	27	17
4SA2/12	4SA2/12	0.55	0.75		84	84	82	82	79	75	69	63	56	47	36	23
4SA2/14	4SA2/14	0.75	1		98	98	96	96	92	87	81	73	65	54	42	27
4SA2/16	4SA2/16	0.75	1		112	112	110	109	99	92	84	74	62	48	31	
4SA2/19	4SA2/19	1.1	1.5		134	134	130	129	119	109	100	88	74	57	36	
4SA2/22	4SA2/22	1.1	1.5		155	155	151	149	137	127	116	102	85	66	42	
4SA2/25	4SA2/25	1.5	2		176	176	174	171	164	155	144	131	116	97	75	48
4SA2/28	4SA2/28	1.5	2		197	197	195	192	184	174	161	147	130	109	84	53
4SA2/34	4SA2/34	2.2	3		239	239	237	233	223	211	196	178	157	132	102	65
4SA2/40	4SA2/40	2.2	3		281	281	278	274	263	249	230	210	185	155	120	75
4SA2/46	4SA2/46	3	4		323	323	321	316	302	285	265	241	213	178	138	88
-	4SA2/52	3	4		366	366	362	356	342	323	299	273	241	202	156	99
-	4SA2/60	4	5.5		428	428	424	417	391	361	330	304	269	229	174	111
-	4SA2/66	4	5.5		457	457	453	445	427	404	374	341	301	252	195	124



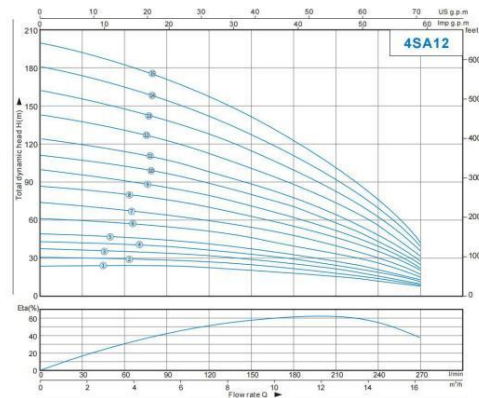
PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY n=2850 1/min																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		Q (m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1-	3-	220-240V	380-415V	KW	HP	0	15	29	42	56	69	82	95	108	121	134	147	160	173	186	199	212	225	238	251	264	277	290	303	316	329	342	355	368	381	394	407	420	433	446	459	472	485	498	511	524	537	550	563	576	589	602	615	628	641	654	667	680	693	706	719	732	745	758	771	784	797	810	823	836	849	862	875	888	901	914	927	940	953	966	979	992	1005	1018	1031	1044	1057	1070	1083	1096	1109	1122	1135	1148	1161	1174	1187	1200	1213	1226	1239	1252	1265	1278	1291	1304	1317	1330	1343	1356	1369	1382	1395	1408	1421	1434	1447	1460	1473	1486	1499	1512	1525	1538	1551	1564	1577	1590	1603	1616	1629	1642	1655	1668	1681	1694	1707	1720	1733	1746	1759	1772	1785	1798	1811	1824	1837	1850	1863	1876	1889	1902	1915	1928	1941	1954	1967	1980	1993	2006	2019	2032	2045	2058	2071	2084	2097	2110	2123	2136	2149	2162	2175	2188	2201	2214	2227	2240	2253	2266	2279	2292	2305	2318	2331	2344	2357	2370	2383	2396	2409	2422	2435	2448	2461	2474	2487	2500	2513	2526	2539	2552	2565	2578	2591	2604	2617	2630	2643	2656	2669	2682	2695	2708	2721	2734	2747	2760	2773	2786	2799	2812	2825	2838	2851	2864	2877	2890	2903	2916	2929	2942	2955	2968	2981	2994	3007	3020	3033	3046	3059	3072	3085	3098	3111	3124	3137	3150	3163	3176	3189	3202	3215	3228	3241	3254	3267	3280	3293	3306	3319	3332	3345	3358	3371	3384	3397	3410	3423	3436	3449	3462	3475	3488	3501	3514	3527	3540	3553	3566	3579	3592	3605	3618	3631	3644	3657	3670	3683	3696	3709	3722	3735	3748	3761	3774	3787	3800	3813	3826	3839	3852	3865	3878	3891	3904	3917	3930	3943	3956	3969	3982	3995	4008	4021	4034	4047	4060	4073	4086	4099	4112	4125	4138	4151	4164	4177	4190	4203	4216	4229	4242	4255	4268	4281	4294	4307	4320	4333	4346	4359	4372	4385	4398	4411	4424	4437	4450	4463	4476	4489	4502	4515	4528	4541	4554	4567	4580	4593	4606	4619	4632	4645	4658	4671	4684	4697	4710	4723	4736	4749	4762	4775	4788	4801	4814	4827	4840	4853	4866	4879	4892	4905	4918	4931	4944	4957	4970	4983	4996	5009	5022	5035	5048	5061	5074	5087	5100	5113	5126	5139	5152	5165	5178	5191	5204	5217	5230	5243	5256	5269	5282	5295	5308	5321	5334	5347	5360	5373	5386	5399	5412	5425	5438	5451	5464	5477	5490	5503	5516	5529	5542	5555	5568	5581	5594	5607	5620	5633	5646	5659	5672	5685	5698	5711	5724	5737	5750	5763	5776	5789	5802	5815	5828	5841	5854	5867	5880	5893	5906	5919	5932	5945	5958	5971	5984	5997	6010	6023	6036	6049	6062	6075	6088	6101	6114	6127	6140	6153	6166	6179	6192	6205	6218	6231	6244	6257	6270	6283	6296	6309	6322	6335	6348	6361	6374	6387	6400	6413	6426	6439	6452	6465	6478	6491	6504	6517	6530	6543	6556	6569	6582	6595	6608	6621	6634	6647	6660	6673	6686	6699	6712	6725	6738	6751	6764	6777	6790	6803	6816	6829	6842	6855	6868	6881	6894	6907	6920	6933	6946	6959	6972	6985	6998	7011	7024	7037	7050	7063	7076	7089	7102	7115	7128	7141	7154	7167	7180	7193	7206	7219	7232	7245	7258	7271	7284	7297	7310	7323	7336	7349	7362	7375	7388	7401	7414	7427	7440	7453	7466	7479	7492	7505	7518	7531	7544	7557	7570	7583	7596	7609	7622	7635	7648	7661	7674	7687	7700	7713	7726	7739	7752	7765	7778	7791	7804	7817	7830	7843	7856	7869	7882	7895	7908	7921	7934	7947	7960	7973	7986	7999	8012	8025	8038	8051	8064	8077	8090	8103	8116	8129	8142	8155	8168	8181	8194	8207	8220	8233	8246	8259	8272	8285	8298	8311	8324	8337	8350	8363	8376	8389	8402	8415	8428	8441	8454	8467	8480	8493	8506	8519	8532	8545	8558	8571	8584	8597	8610	8623	8636	8649	8662	8675	8688	8701	8714	8727	8740	8753	8766	8779	8792	8805	8818	8831	8844	8857	8870	8883	8896	8909	8922	8935	8948	8961	8974	8987	9000	9013	9026	9039	9052	9065	9078	9091	9104	9117	9130	9143	9156	9169	9182	9195	9208	9221	9234	9247	9260	9273	9286	9299	9312	9325	9338	9351	9364	9377	9390	9403	9416	9429	9442	9455	9468	9481	9494	9507	9520	9533	9546	9559	9572	9585	9598	9611	9624	9637	9650	9663	9676	9689	9702	9715	9728	9741	9754	9767	9780	9793	9806	9819	9832	9845	9858	9871	9884	9897	9910	9923	9936	9949	9962	9975	9988	10001	10014	10027	10040	10053	10066	10079	10092	10105	10118	10131	10144	10157	10170	10183	10196	10209	10222	10235	10248	10261	10274	10287	10300	10313	10326	10339	10352	10365	10378	10391	10404	10417	10430	10443	10456	10469	10482	10495	10508	10521	10534	10547	10560	10573	10586	10599	10612	10625	10638	10651	10664	10677	10690	10703	10716	10729	10742	10755	10768	10781	10794	10807	10820	10833	10846	10859	10872	10885	10898	10911	10924	10937	10950	10963	10976	10989	11002	11015	11028	11041	11054	11067	11080	11093	11106	11119	11132	11145	11158	11171	11184	11197	11210	11223	11236	11249	11262	11275	11288	11301	11314	11327	11340	11353	11366	11379	11392	11405	11418	11431	11444	11457	11470	11483	11496	11509	11522	11535	11548	11561	11574	11587	11600	11613	11626	11639	11652	11665	11678	11691	11704	11717	11730	11743	11756	11769	11782	11795	11808	11821	11834	11847	11860	11873	11886	11899	11912	11925	11938	11951	11964	11977	11990	12003	12016	12029	12042	12055	12068	12081	12094	12107	12120	12133	12146	12159	12172	12185	12198	12211	12224	12237	12250	12263	12276	12289	12302	12315	12328	12341	12354	12367	12380	12393	12406	12419	12432	12445	12458	12471	12484	12497	12510	12523	12536	12549	12562	12575	12588	12601	12614	12627	12640	12653	12666	12679	12692	12705	12718	12731	12744	12757	12770	12783	12796	12809	12822	12835	12848	12861	12874	12887	12900	12913	12926	12939	12952	12965	12978	12991	13004	13017	13030	13043	13056	13069	13082	13095	13108	13121	13134	13147	13160	13173	13186	13199	13212	13225	13238	13251	13264	13277	13290	13303	13316	13329	13342	13355	13368	13381	13394	13407	13420	13433	13446	13459	13472	13485	13498	13511	13524	13537	13550	13563	13576	13589	13602	13615	13628	13641	13654	13667	13680	13693	13706	13719	13732	13745	13758	13771	13784	13797	13810	13823	13836	13849	13862	13875	13888	13901	13914	13927	13940	13953	13966	13979	13992	14005	14018	14031	14044	14057	14070	14083	14096	14109	14122	14135	14148	14161	14174	14187	14200	14213	14226	14239	14252	14265	14278	14291	14304	14317	14330	14343	14356	14369	14382	14395	14408	14421	14434	14447	14460	14473	14486	14499	14512	14525	14538	14551	14564	14577	14590	14603	14616	14629	14642	14655	14668	14681	14694	14707	14720	14733	14746	14759	14772	14785	14798	14811	14824	14837	14850	14863	14876	14889	14902	14915	14928	14941	14954	14967	14980	14993	15006	15019	15032	15045	15058	15071	15084	15097	15110



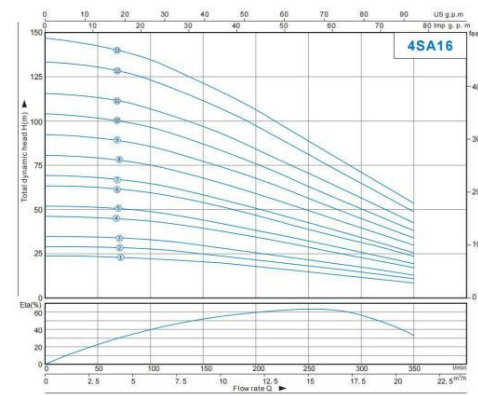
PERFORMANCE DATA 50HZ

MODEL	P2	DELIVERY n=2850 1/min									
		Q m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
1- 220-240V 3Ø-415V	KW HP	Q m³/h	0	30	60	90	120	150	180	210	240
4SAM10/6	4SA10/6	0.75 1	31	35	38	27	25	22	18	13	7
4SAM10/6	4SA10/6	1.1 1.5	37	36	34	32	30	28	22	15	9
4SAM10/7	4SA10/7	1.1 1.5	43	42	39	38	35	31	25	18	10
4SAM10/8	4SA10/8	1.5 2	49	48	45	43	40	35	29	21	12
4SAM10/10	4SA10/10	1.5 2	62	59	56	54	50	44	36	26	14
4SAM10/12	4SA10/12	2.2 3	74	71	68	64	60	53	43	31	17
4SAM10/14	4SA10/14	2.2 3	86	83	79	75	70	62	51	36	20
4SAM10/16	4SA10/16	3 4	99	95	90	86	80	71	58	41	23
- 4SA10/18	3 4	111	107	101	96	90	79	65	46	26	
- 4SA10/20	4 5.5	123	119	113	107	100	88	72	52	29	
- 4SA10/22	4 5.5	130	131	124	118	110	97	79	67	32	
- 4SA10/25	5.5 7.5	154	149	141	134	126	110	90	65	36	
- 4SA10/28	5.5 7.5	173	168	158	150	140	124	101	72	40	
- 4SA10/32	7.5 10	197	190	180	172	160	141	118	83	46	
- 4SA10/38	7.5 10	222	214	203	193	180	159	130	93	52	



PERFORMANCE DATA 50HZ

MODEL	P2	DELIVERY n=2850 1/min										
		Q m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2
1- 220-240V 3Ø-415V	KW HP	Q m³/h	0	30	60	90	120	150	180	210	240	270
4SAM12/4	4SA12/4	0.75 1	25	24	23	21	20	18	15	13	9	5
4SAM12/5	4SA12/5	1.1 1.5	31	30	29	27	25	22	19	16	12	6
4SAM12/6	4SA12/6	1.1 1.5	38	36	34	32	29	26	23	19	14	8
4SAM12/7	4SA12/7	1.5 2	44	42	40	37	34	31	27	22	16	9
4SAM12/8	4SA12/8	1.5 2	50	48	46	43	39	35	31	25	19	10
4SAM12/10	4SA12/10	2.2 3	63	60	57	53	49	44	38	32	23	13
4SAM12/12	4SA12/12	2.2 3	75	72	69	64	59	53	46	38	28	15
4SAM12/14	4SA12/14	3 4	89	84	80	75	69	62	54	44	33	18
- 4SA12/16	3 4	101	96	92	86	79	71	62	51	38	21	
- 4SA12/18	4 5.5	113	108	103	96	88	79	69	57	42	23	
- 4SA12/20	4 5.5	126	120	114	107	98	88	77	63	47	26	
- 4SA12/22	5.5 7.5	144	138	132	123	113	101	89	73	54	29	
- 4SA12/25	5.5 7.5	163	156	149	139	128	115	100	82	61	33	
- 4SA12/28	7.5 10	182	174	166	156	142	128	111	92	68	37	
- 4SA12/32	7.5 10	201	192	183	171	157	141	123	101	75	41	



PERFORMANCE DATA 50HZ

MODEL	P2	DELIVERY n=2850 1/min									
		Q m³/h	0	3	6	9	12	15	18	21	24
1- 220-240V 3Ø-415V	KW HP	Q m³/h	0	60	100	150	200	250	300	350	395
4SAM16/4	4SA16/4	1.1 1.5	24	23	22	20	18	15	12	9	
4SAM16/5	4SA16/5	1.5 2	30	29	28	25	22	19	15	11	
4SAM16/6	4SA16/6	1.5 2	36	35	33	30	26	22	18	13	
4SAM16/8	4SA16/8	2.2 3	47	46	44	40	35	30	24	17	
4SAM16/9	4SA16/9	2.2 3	53	52	50	45	40	33	27	19	
4SAM16/11	4SA16/11	3 4	65	64	61	55	48	41	33	24	
4SAM16/12	3 4	71	70	66	60	53	45	36	26		
- 4SA16/14	4 5.5	83	81	77	70	62	53	42	30		
- 4SA16/16	4 5.5	95	93	88	80	70	60	48	35		
- 4SA16/18	5.5 7.5	107	104	99	90	79	67	54	39		
- 4SA16/20	5.5 7.5	118	116	110	100	88	74	60	43		
- 4SA16/23	7.5 10	136	133	127	115	101	86	69	50		
- 4SA16/25	7.5 10	148	145	138	125	110	93	75	54		

4QJ Series SUBMERSIBLE PUMPS

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%
Maximum immersion 80m
Minimum well diameter 4"

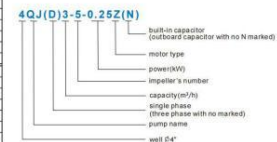
Motor and Pump
Rewindable motor
Single-phase 220-240V/50Hz
Three-phase 380-415V/50Hz
Single phase motor with built-in capacitor
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
NEMA dimension standards
Curve tolerance according to ISO 9901

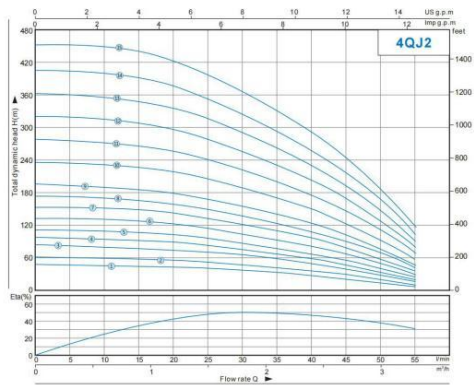
Options on request
Special mechanical seal
Single phase motor with built-in capacitor

Warranty: 2 years
(according to our general sales conditions)



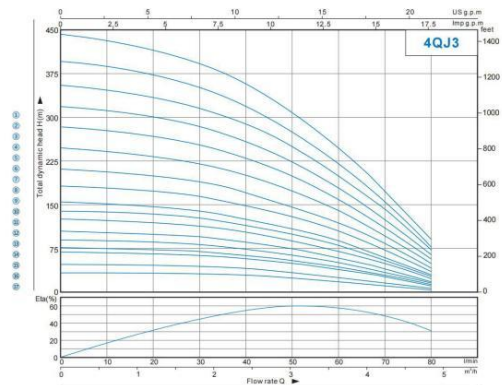
Components	Material
Pump external casing	Stainless steel
Delivery casing	Cast iron
Suction lantern	Cast iron
Diffuser	Plastic/PC
Impeller	Plastic/PC
Shaft	Stainless steel
Shaft coupling	Carbon steel/Stainless steel
Wearing ring	Stainless steel
Motor external casing	Stainless steel
Tag check	Cast iron
Bottom support	Stainless steel
Mechanical seal	Silicon seal for deep well (Sapphire-Ceramic)
Shaft	Carbon steel
Bearing	Iron/Ceramic
Seal lubricant oil	Oil-free tool machinery and pharmaceutical use





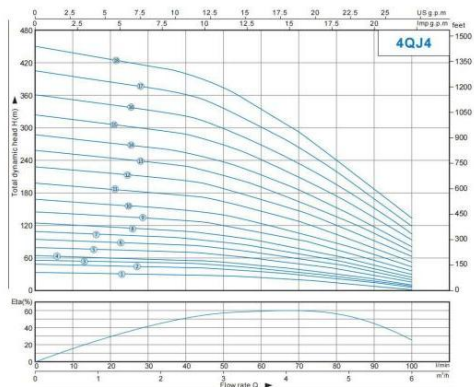
PERFORMANCE DATA 50Hz

MODEL	P ₁	P ₂	KW	HP	DELIVERY n=2850 1/min											
					Q (m³/min)	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0
4QJ2-7-0.25	1-	3-	0.25	0.33	40	49	41	46	44	40	37	32	27	21	13	
4QJ2-9-0.37	1-	3-	0.37	0.5	63	63	62	69	66	52	47	40	35	27	17	
4QJ2-12-0.55	1-	3-	0.55	0.75	84	84	82	79	75	63	56	47	38	23	13	
4QJ2-14-0.75	1-	3-	0.75	1	98	98	96	92	87	73	65	54	42	27	16	
4QJ2-16-0.92	1-	3-	0.92	1.25	112	112	110	105	99	82	74	62	48	31	19	
4QJ2-19-1.1	1-	3-	1.1	1.5	134	134	132	125	118	100	88	74	57	36	22	
4QJ2-22-1.3	1-	3-	1.3	1.75	158	158	155	148	137	115	102	85	66	42	26	
4QJ2-25-1.5	1-	3-	1.5	2	176	176	174	164	155	144	131	116	97	75	48	
4QJ2-28-1.8	1-	3-	1.8	2.5	197	197	195	182	174	161	147	130	109	84	53	
4QJ2-34-2.2	1-	3-	2.2	3	229	229	227	223	211	196	178	157	132	102	65	
4QJ2-40-2.2	1-	3-	2.2	3	281	281	279	274	263	249	230	215	185	150	76	
4QJ2-46-3	1-	3-	3	4	323	323	321	315	302	288	265	243	213	178	138	
4QJ2-5-3	1-	3-	3	4	368	368	366	360	342	323	299	271	241	200	156	
4QJ2-6-4	1-	3-	4	5.5	458	458	456	448	431	404	374	341	303	254	191	
4QJ2-8-4	1-	3-	4	5.5	491	491	489	481	464	434	401	361	320	269	204	



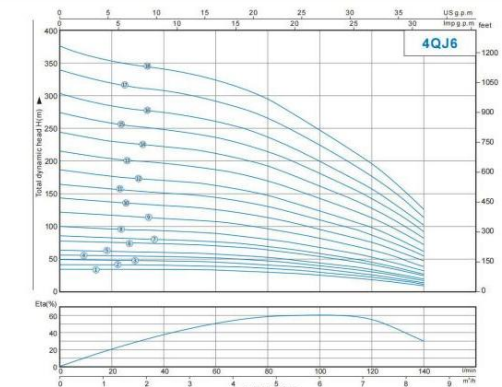
PERFORMANCE DATA 50Hz

MODEL	P ₁	P ₂	KW	HP	DELIVERY n=2850 1/min											
					Q (m³/min)	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	
4QJ3-0-0.25	1-	3-	0.25	0.33	36	36	34	32	29	25	20	14	7	4		
4QJ3-0-0.37	1-	3-	0.37	0.5	50	49	47	45	41	38	28	20	10	5		
4QJ3-10-0.55	1-	3-	0.55	0.75	72	70	68	64	58	49	40	29	15	8		
4QJ3-11-0.75	1-	3-	0.75	1	79	77	75	70	64	45	45	45	45	45		
4QJ3-13-0.92	1-	3-	0.92	1.25	93	91	89	83	76	53	53	53	53	53		
4QJ3-15-1.1	1-	3-	1.1	1.5	108	105	102	96	88	61	61	61	61	61		
4QJ3-18-1.3	1-	3-	1.3	1.75	129	126	122	115	105	73	73	73	73	73		
4QJ3-20-1.5	1-	3-	1.5	2	144	140	136	128	117	81	81	81	81	81		
4QJ3-22-1.8	1-	3-	1.8	2.5	168	164	160	152	139	89	89	89	89	89		
4QJ3-26-2.2	1-	3-	2.2	3	187	182	176	166	152	105	105	105	105	105		
4QJ3-30-2.2	1-	3-	2.2	3	215	210	203	192	175	121	121	121	121	121		
4QJ3-35-3	1-	3-	3	4	251	245	237	224	204	142	142	142	142	142		
4QJ3-40-3	1-	3-	3	4	287	280	271	255	234	162	162	162	162	162		
4QJ3-45-4	1-	3-	4	5.5	323	315	306	287	263	182	182	182	182	182		
4QJ3-50-4	1-	3-	4	5.5	359	350	339	319	292	202	202	202	202	202		
4QJ3-55-5	1-	3-	5.5	7.5	402	392	379	358	327	227	227	227	227	227		
4QJ3-62-5.5	1-	3-	5.5	7.5	445	434	420	396	362	251	251	251	251	251		



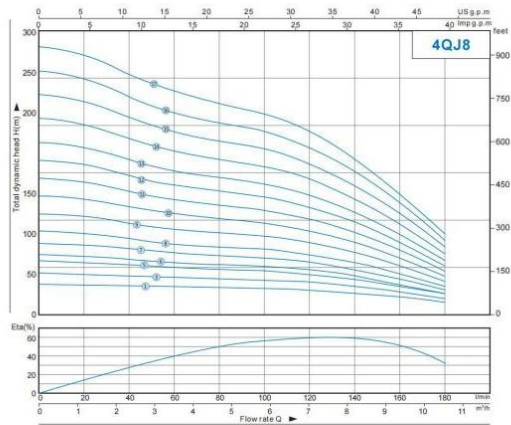
PERFORMANCE DATA 50Hz

MODEL	P ₁	P ₂	KW	HP	DELIVERY n=2850 1/min											
					Q (m³/min)	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6		
4QJ4-6-0.37	1-	3-	0.37	0.5	44	42	41	40	39	36	33	29	24	19	14	
4QJ4-8-0.55	1-	3-	0.55	0.75	58	58	56	54	52	49	44	39	33	26	18	
4QJ4-9-0.75	1-	3-	0.75	1	65	63	62	60	58	55	49	44	37	29	21	
4QJ4-10-0.92	1-	3-	0.92	1.25	73	70	69	67	65	61	55	46	41	32	23	
4QJ4-12-1.1	1-	3-	1.1	1.5	87	84	82	81	79	73	66	56	49	39	27	
4QJ4-14-1.3	1-	3-	1.3	1.75	102	99	96	94	91	85	77	67	57	45	32	
4QJ4-16-1.5	1-	3-	1.5	2	116	113	110	107	104	97	88	77	65	51	37	
4QJ4-18-1.8	1-	3-	1.8	2.5	131	127	124	121	117	108	99	87	73	58	41	
4QJ4-21-2.2	1-	3-	2.2	3	152	148	144	141	136	128	115	102	85	67	48	
4QJ4-24-2.2	1-	3-	2.2	3	174	169	165	161	156	146	132	116	98	77	55	
4QJ4-28-3	1-	3-	3	4	203	197	192	188	182	170	154	135	114	90	64	
4QJ4-3-3	1-	3-	3	4	231	225	220	215	208	195	178	155	130	103	73	
4QJ4-4-4	1-	3-	4	5.5	281	283	284	282	274	258	230	198	164	118	82	
4QJ4-4-4	1-	3-	4	5.5	290	281	275	268	260	243	220	194	163	128	92	
4QJ4-5-5	1-	3-	5.5	7.5	327	316	309	302	293	274	246	218	183	144	103	
4QJ4-6-5	1-	3-	5.5	7.5	363	352	344	335	325	306	275	242	203	160	115	
4QJ4-7-5	1-	3-	7.5	10	406	394	385	376	364	341	308	271	228	180	128	
4QJ4-8-7.5	1-	3-	7.5	10	450	438	428	416	403	377	341	300	252	199	142	



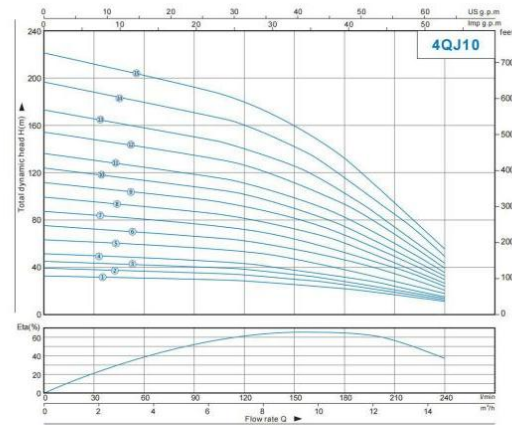
PERFORMANCE DATA 50Hz

MODEL	P ₁	P ₂	KW	HP	DELIVERY n=2850 1/min											
					Q (m³/min)	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4			
4QJ6-5-0.37	1-	3-	0.37	0.5	38	34	33	31	28	24	19	12	7			
4QJ6-6-0.55	1-	3-	0.55	0.75	43	41	39	37	34	29	23	15	9			
4QJ6-7-0.75	1-	3-	0.75	1	51	47	46	44	40	33	26	17	10			
4QJ6-8-1.1	1-	3-	0.92	1.25	58	54	52	50	45	38	30	20	12			
4QJ6-9-1.3	1-	3-	1.1	1.5	65	61	59	56	51	43	34	24	14			
4QJ6-11-1.5	1-	3-	1.3	1.75	80	74	72	69	62	52	41	27	16			
4QJ6-12-1.8	1-	3-	1.5	2	87	81	79	76	68	57	45	29	17			
4QJ6-14-2.2	1-	3-	1.8	2.5	101	95	92	87	78	67	53	34	20			
4QJ6-17-2.2	1-	3-	2.2	3	123	115	111	108	96	81	64	42	25			
4QJ6-20-2.2	1-	3-	2.2	3	145	135	131	125	113	95	75	49	29			
4QJ6-23-3	1-	3-	3	4	166	156	151	143	130	110	87	58	34			
4QJ6-25-3	1-	3-	3	4	188	176	171	162	147	124	98	63	37			
4QJ6-30-4	1-	3-	4	5.5	217	203	197	187	170	143	113	73	43			
4QJ6-34-4	1-	3-	4	5.5	246	233	223	213	193	162	128	83	48			
4QJ6-38-4	1-	3-	5.5	7.5	279	257	249	237	216	181	143	93	53			
4QJ6-42-5.5	1-	3-	5.5	7.5	304	284	275	262	238	200	158	103	58			
4QJ6-47-5	1-	3-	7.5	10	340	313	308	293	267	224	177	114	64			
4QJ6-52-7.5	1-	3-	7.5	10	376	352	341	324	295	248	195	127	74			



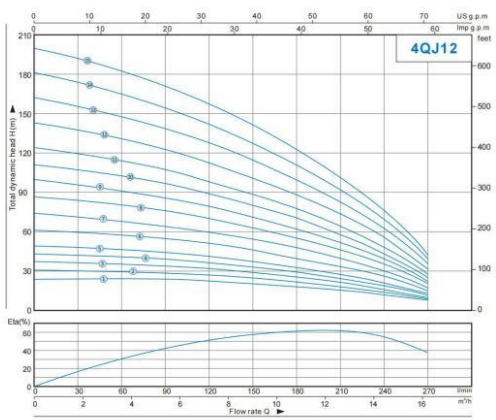
PERFORMANCE DATA 50Hz

MODEL	P ₂	DELIVERY n=2850 1/min	Q (m³/h)										
			0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	
1- 220-240V	3- 380-415V	KW	0	32	31	28	26	25	24	22	18	14	9
HP			0	43	42	38	35	33	30	26	20	15	11
0.55	0.75		0	43	42	38	35	33	30	26	20	15	11
0.75	1		0	43	42	38	35	33	30	26	20	15	11
1.25	1.75		0	43	42	38	35	33	30	26	20	15	11
1.5	2		0	43	42	38	35	33	30	26	20	15	11
2.2	3		0	43	42	38	35	33	30	26	20	15	11
3	4		0	43	42	38	35	33	30	26	20	15	11
4	5.5		0	43	42	38	35	33	30	26	20	15	11
5.5	7.5		0	43	42	38	35	33	30	26	20	15	11
7.5	10		0	43	42	38	35	33	30	26	20	15	11
10			0	43	42	38	35	33	30	26	20	15	11



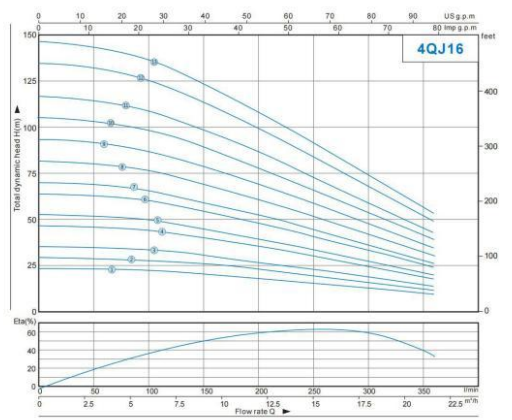
PERFORMANCE DATA 50Hz

MODEL	P ₂	DELIVERY n=2850 1/min	Q (m³/h)									
			0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	
1- 220-240V	3- 380-415V	KW	0	31	30	28	27	25	22	18	13	7
HP			0	42	41	38	36	33	28	22	16	9
0.92	1.25		0	42	41	38	36	33	28	22	16	9
1.1	1.5		0	42	41	38	36	33	28	22	16	9
1.3	1.75		0	42	41	38	36	33	28	22	16	9
1.5	2		0	42	41	38	36	33	28	22	16	9
1.8	2.5		0	42	41	38	36	33	28	22	16	9
2.2	3		0	42	41	38	36	33	28	22	16	9
3	4		0	42	41	38	36	33	28	22	16	9
4	5.5		0	42	41	38	36	33	28	22	16	9
5.5	7.5		0	42	41	38	36	33	28	22	16	9
7.5	10		0	42	41	38	36	33	28	22	16	9
10			0	42	41	38	36	33	28	22	16	9



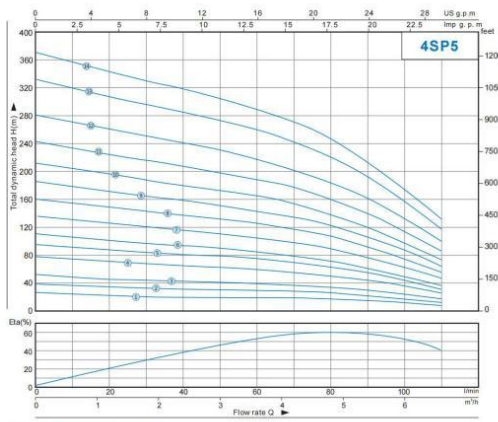
PERFORMANCE DATA 50Hz

MODEL	P ₂	DELIVERY n=2850 1/min	Q (m³/h)									
			0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2
1- 220-240V	3- 380-415V	KW	0	25	24	23	21	20	18	15	11	9
HP			0	34	33	32	29	27	24	19	14	10
0.92	1.25		0	34	33	32	29	27	24	19	14	10
1.1	1.5		0	34	33	32	29	27	24	19	14	10
1.3	1.75		0	34	33	32	29	27	24	19	14	10
1.5	2		0	34	33	32	29	27	24	19	14	10
1.8	2.5		0	34	33	32	29	27	24	19	14	10
2.2	3		0	34	33	32	29	27	24	19	14	10
3	4		0	34	33	32	29	27	24	19	14	10
4	5.5		0	34	33	32	29	27	24	19	14	10
5.5	7.5		0	34	33	32	29	27	24	19	14	10
7.5	10		0	34	33	32	29	27	24	19	14	10
10			0	34	33	32	29	27	24	19	14	10



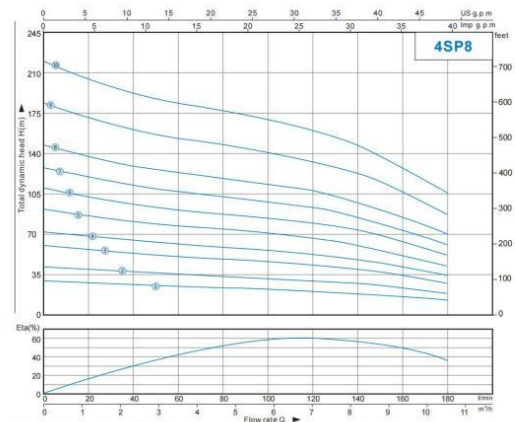
PERFORMANCE DATA 50Hz

MODEL	P ₂	DELIVERY n=2850 1/min	Q (m³/h)									
			0	3	6	9	12	15	18	21		
1- 220-240V	3- 380-415V	KW	0	30	29	28	25	22	19	15	11	
HP			0	41	40	38	34	30	25	20	15	
0.92	1.25		0	41	40	38	34	30	25	20	15	
1.1	1.5		0	41	40	38	34	30	25	20	15	
1.3	1.75		0	41	40	38	34	30	25	20	15	
1.5	2		0	41	40	38	34	30	25	20	15	
1.8	2.5		0	41	40	38	34	30	25	20	15	
2.2	3		0	41	40	38	34	30	25	20	15	
3	4		0	41	40	38	34	30	25	20	15	
4	5.5		0	41	40	38	34	30	25	20	15	
5.5	7.5		0	41	40	38	34	30	25	20	15	
7.5	10		0	41	40	38	34	30	25	20	15	
10			0	41	40	38	34	30	25	20	15	



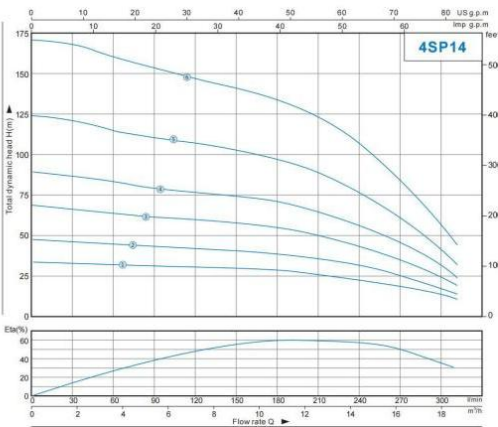
PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY n=2850 1/min													
		Q (m³/h)	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	
4SP5/4	4SP5/4	0.37	0.5	25	25	24	23	22	21	20	19	17	15	12	9
4SP5/6	4SP5/6	0.55	0.75	38	37	35	34	33	31	30	28	25	22	18	13
4SP5/8	4SP5/8	0.75	1	51	49	47	45	44	42	40	37	34	29	24	18
4SP5/12	4SP5/12	1.1	1.5	76	74	71	68	66	63	60	56	51	44	36	27
4SP5/15	4SP5/15	1.5	2	99	92	88	85	82	79	75	70	64	55	45	34
4SP5/17	4SP5/17	1.5	2	108	104	100	96	93	89	85	79	72	62	51	38
4SP5/21	4SP5/21	2.2	3	134	129	124	119	115	110	105	98	90	77	63	47
4SP5/25	4SP5/25	2.2	3	159	153	147	142	137	131	125	117	108	92	75	56
4SP5/29	4SP5/29	3	4	185	178	171	164	159	152	145	135	123	106	87	65
-	4SP5/33	3	4	210	202	194	187	180	173	165	154	140	121	99	74
-	4SP5/38	4	5.5	242	233	224	215	208	200	190	177	160	139	114	86
-	4SP5/44	4	5.5	280	270	259	249	241	231	220	205	187	161	132	99
-	4SP5/52	5.5	7.5	331	319	306	295	284	273	260	243	221	191	156	117
-	4SP5/68	5.5	7.5	389	366	341	329	317	304	290	271	245	213	174	130



PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY n=2850 1/min											
		Q (m³/h)	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	
4SP8/5	4SP8/4	0.75	1	30	28	26	25	24	23	22	20	17	14
4SP8/7	4SP8/6	1.1	1.5	42	39	37	35	34	32	31	28	24	20
4SP8/10	4SP8/8	1.5	2	60	56	53	50	48	46	44	40	35	29
4SP8/12	4SP8/12	2.2	3	72	67	63	60	58	55	52	48	42	34
4SP8/15	4SP8/15	2.2	3	90	84	79	75	72	69	66	60	52	43
-	4SP8/18	3	4	108	100	95	91	86	83	79	72	63	51
-	4SP8/21	4	5.5	126	117	110	106	101	97	92	84	73	60
-	4SP8/24	4	5.5	144	134	126	121	115	110	105	96	84	69
-	4SP8/30	5.5	7.5	180	167	158	151	144	138	131	120	105	86
-	4SP8/36	5.5	7.5	216	201	189	181	173	166	157	144	125	103



PERFORMANCE DATA 50Hz

MODEL	P2	DELIVERY n=2850 1/min												
		Q (m³/h)	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	
4SP14/5	4SP14/5	1.5	2	34	34	32	31	30	28	27	25	21	17	11
4SP14/7	4SP14/7	2.2	3	48	47	45	43	41	40	38	34	30	24	16
-	4SP14/10	3	4	69	67	64	61	59	57	54	49	42	34	23
-	4SP14/13	4	5.5	89	87	83	80	77	74	70	64	55	45	30
-	4SP14/18	5.5	7.5	124	121	114	110	107	102	97	89	76	62	41
-	4SP14/25	7.5	10	172	168	159	153	148	142	135	123	106	86	57

5SD Series SUBMERSIBLE PUMPS

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%
 Maximum immersion 80m
 Minimum well diameter 5"

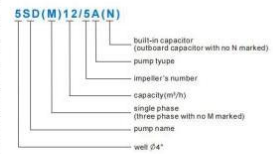
Motor and Pump
 Rewindable motor
Single-phase 220-240V/50Hz
Three-phase 380-415V/50Hz
 Equip with start control box or digital auto-control box
 Curve tolerance according to ISO 9901

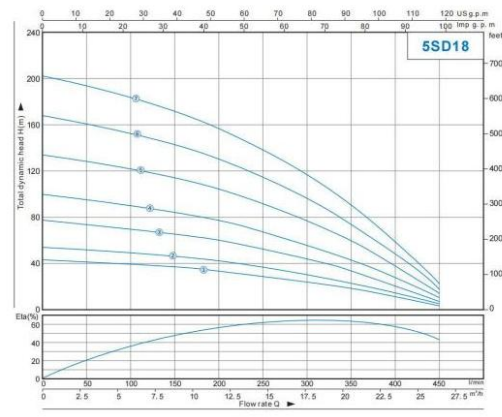
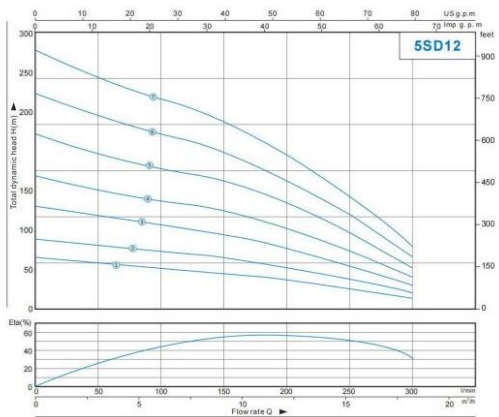
Options on request
 Special mechanical seal
 Single phase motor with built-in capacitor

Warranty: 2 years
 (according to our general sales conditions)



Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast-Iron ASTM C85000
Suction lantern	Cast-Iron ASTM C85000
Diffuser	Plastic PC
Impeller	Plastic POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wearing ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	Cast-Iron ASTM C85000
Shaft	AISI 304 SS
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Sapphire-Ceramic)
Shaft	AISI 304 SS-ASTM A140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutical use



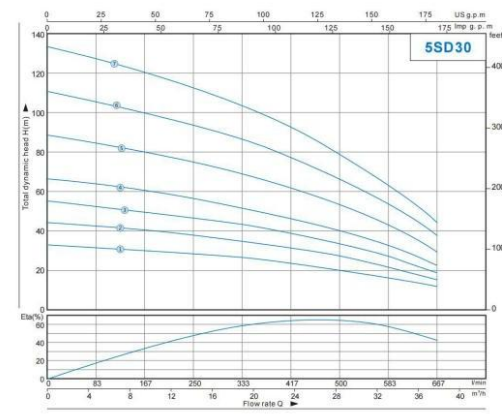
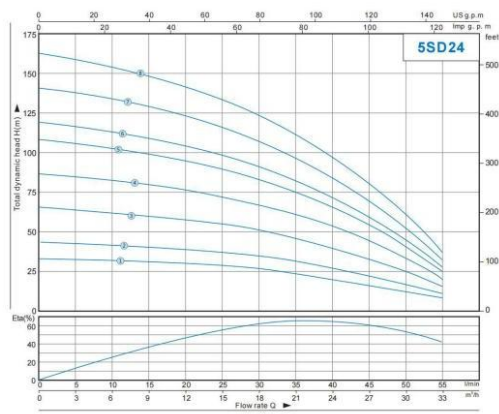


PERFORMANCE DATA 50Hz

PUMPING UNIT	MODEL		P2		DELIVERY								n=2850 1/min
	1-	3-	Kw	HP	Q m³/h								
	220-240V	380-415V			0	3	6	9	12	15	18		
1	5SDM12/5	5SD12/5	2.2	3	56	50	46	41	34	25	14	H(m)	
2	5SDM12/7	5SD12/7	3	4	79	71	65	58	48	35	20		
3	5SDM12/10	5SD12/10	4	5.5	113	101	92	82	68	50	28		
4	-	5SD12/13	5.5	7.5	147	131	120	107	88	66	36		
5	-	5SD12/17	7.5	10	192	171	157	140	116	88	48		
6	-	5SD12/21	9.2	12.5	237	212	194	173	143	105	59		
7	-	5SD12/25	11	15	282	252	231	206	170	125	70		

PERFORMANCE DATA 50Hz

PUMPING UNIT	MODEL		P2		DELIVERY										n=2850 1/min
	1-	3-	Kw	HP	Q m³/h										
	220-240V	380-415V			0	50	100	150	200	250	300	350	400	450	
1	5SDM18/4	5SD18/4	2.2	3	45	43	41	38	35	31	26	20	14	8	H(m)
2	5SDM18/5	5SD18/5	3	4	56	54	51	48	44	39	33	25	17	7	
3	5SDM18/7	5SD18/7	4	5.5	79	75	72	67	61	54	46	35	24	10	
4	-	5SD18/9	5.5	7.5	101	97	92	86	79	70	59	45	30	12	
5	-	5SD18/12	7.5	10	135	129	123	115	105	93	78	61	41	17	
6	-	5SD18/15	9.2	12.2	168	162	153	144	132	117	98	76	51	21	
7	-	5SD18/18	11	15	202	194	184	173	158	140	118	91	61	25	

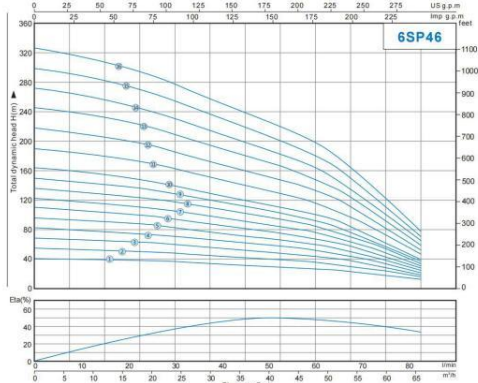


PERFORMANCE DATA 50Hz

PUMPING UNIT	MODEL		P2		DELIVERY												n=2850 1/min
	1-	3-	Kw	HP	Q m³/h												
	220-240V	380-415V			0	3	6	9	12	15	18	21	24	27	30	33	
1	5SDM24/3	5SD24/3	2.2	3	33	32	31	30	29	27	25	23	20	16	12	7	H(m)
2	5SDM24/4	5SD24/4	3	4	44	43	42	40	38	36	34	30	26	22	16	10	
3	5SDM24/6	5SD24/6	4	5.5	66	64	62	60	58	54	50	46	40	32	24	14	
4	-	5SD24/8	5.5	7.5	88	86	83	81	77	73	67	61	53	43	32	19	
5	-	5SD24/10	7.5	10	110	107	104	101	96	91	84	76	66	54	40	24	
6	-	5SD24/11	7.5	10	121	118	114	111	106	100	92	84	73	59	44	26	
7	-	5SD24/13	9.2	12.5	143	140	135	131	125	118	109	99	86	70	52	31	
8	-	5SD24/14	11	15	165	161	151	144	136	126	114	99	81	60	38		

PERFORMANCE DATA 50Hz

PUMPING UNIT	MODEL		P2		DELIVERY										n=2850 1/min
	1-	3-	Kw	HP	Q m³/h										
	220-240V	380-415V			0	5	10	15	20	25	30	35	40		
1	5SDM30/3	5SD30/3	2.2	3	33	32	30	28	26	23	20	16	11	H(m)	
2	5SDM30/4	5SD30/4	3	4	44	42	40	37	34	31	26	21	14		
3	5SDM30/5	5SD30/5	4	5.5	56	53	50	47	43	38	33	26	18		
4	-	5SD30/6	5.5	7.5	66	63	60	56	52	46	40	32	22		
5	-	5SD30/8	7.5	10	88	85	80	75	69	61	53	42	29		
6	-	5SD30/10	9.2	12.5	110	106	100	93	86	77	66	53	36		
7	-	5SD30/12	11	15	132	127	120	112	103	92	79	63	43		



PERFORMANCE DATA 50Hz

MODEL	P2	HP	KW	Q m³/h	DELIVERY n=2850 1/min																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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220-240V 380-415V	3	4	5.5	41	50	59	67	75	82	90	98	105	112	119	125	131	137	143	149	155	161	167	173	179	185	191	197	203	209	215	221	227	233	239	245	251	257	263	269	275	281	287	293	299	305	311	317	323	329	335	341	347	353	359	365	371	377	383	389	395	401	407	413	419	425	431	437	443	449	455	461	467	473	479	485	491	497	503	509	515	521	527	533	539	545	551	557	563	569	575	581	587	593	599	605	611	617	623	629	635	641	647	653	659	665	671	677	683	689	695	701	707	713	719	725	731	737	743	749	755	761	767	773	779	785	791	797	803	809	815	821	827	833	839	845	851	857	863	869	875	881	887	893	899	905	911	917	923	929	935	941	947	953	959	965	971	977	983	989	995	1001	1007	1013	1019	1025	1031	1037	1043	1049	1055	1061	1067	1073	1079	1085	1091	1097	1103	1109	1115	1121	1127	1133	1139	1145	1151	1157	1163	1169	1175	1181	1187	1193	1199	1205	1211	1217	1223	1229	1235	1241	1247	1253	1259	1265	1271	1277	1283	1289	1295	1301	1307	1313	1319	1325	1331	1337	1343	1349	1355	1361	1367	1373	1379	1385	1391	1397	1403	1409	1415	1421	1427	1433	1439	1445	1451	1457	1463	1469	1475	1481	1487	1493	1499	1505	1511	1517	1523	1529	1535	1541	1547	1553	1559	1565	1571	1577	1583	1589	1595	1601	1607	1613	1619	1625	1631	1637	1643	1649	1655	1661	1667	1673	1679	1685	1691	1697	1703	1709	1715	1721	1727	1733	1739	1745	1751	1757	1763	1769	1775	1781	1787	1793	1799	1805	1811	1817	1823	1829	1835	1841	1847	1853	1859	1865	1871	1877	1883	1889	1895	1901	1907	1913	1919	1925	1931	1937	1943	1949	1955	1961	1967	1973	1979	1985	1991	1997	2003	2009	2015	2021	2027	2033	2039	2045	2051	2057	2063	2069	2075	2081	2087	2093	2099	2105	2111	2117	2123	2129	2135	2141	2147	2153	2159	2165	2171	2177	2183	2189	2195	2201	2207	2213	2219	2225	2231	2237	2243	2249	2255	2261	2267	2273	2279	2285	2291	2297	2303	2309	2315	2321	2327	2333	2339	2345	2351	2357	2363	2369	2375	2381	2387	2393	2399	2405	2411	2417	2423	2429	2435	2441	2447	2453	2459	2465	2471	2477	2483	2489	2495	2501	2507	2513	2519	2525	2531	2537	2543	2549	2555	2561	2567	2573	2579	2585	2591	2597	2603	2609	2615	2621	2627	2633	2639	2645	2651	2657	2663	2669	2675	2681	2687	2693	2699	2705	2711	2717	2723	2729	2735	2741	2747	2753	2759	2765	2771	2777	2783	2789	2795	2801	2807	2813	2819	2825	2831	2837	2843	2849	2855	2861	2867	2873	2879	2885	2891	2897	2903	2909	2915	2921	2927	2933	2939	2945	2951	2957	2963	2969	2975	2981	2987	2993	2999	3005	3011	3017	3023	3029	3035	3041	3047	3053	3059	3065	3071	3077	3083	3089	3095	3101	3107	3113	3119	3125	3131	3137	3143	3149	3155	3161	3167	3173	3179	3185	3191	3197	3203	3209	3215	3221	3227	3233	3239	3245	3251	3257	3263	3269	3275	3281	3287	3293	3299	3305	3311	3317	3323	3329	3335	3341	3347	3353	3359	3365	3371	3377	3383	3389	3395	3401	3407	3413	3419	3425	3431	3437	3443	3449	3455	3461	3467	3473	3479	3485	3491	3497	3503	3509	3515	3521	3527	3533	3539	3545	3551	3557	3563	3569	3575	3581	3587	3593	3599	3605	3611	3617	3623	3629	3635	3641	3647	3653	3659	3665	3671	3677	3683	3689	3695	3701	3707	3713	3719	3725	3731	3737	3743	3749	3755	3761	3767	3773	3779	3785	3791	3797	3803	3809	3815	3821	3827	3833	3839	3845	3851	3857	3863	3869	3875	3881	3887	3893	3899	3905	3911	3917	3923	3929	3935	3941	3947	3953	3959	3965	3971	3977	3983	3989	3995	4001	4007	4013	4019	4025	4031	4037	4043	4049	4055	4061	4067	4073	4079	4085	4091	4097	4103	4109	4115	4121	4127	4133	4139	4145	4151	4157	4163	4169	4175	4181	4187	4193	4199	4205	4211	4217	4223	4229	4235	4241	4247	4253	4259	4265	4271	4277	4283	4289	4295	4301	4307	4313	4319	4325	4331	4337	4343	4349	4355	4361	4367	4373	4379	4385	4391	4397	4403	4409	4415	4421	4427	4433	4439	4445	4451	4457	4463	4469	4475	4481	4487	4493	4499	4505	4511	4517	4523	4529	4535	4541	4547	4553	4559	4565	4571	4577	4583	4589	4595	4601	4607	4613	4619	4625	4631	4637	4643	4649	4655	4661	4667	4673	4679	4685	4691	4697	4703	4709	4715	4721	4727	4733	4739	4745	4751	4757	4763	4769	4775	4781	4787	4793	4799	4805	4811	4817	4823	4829	4835	4841	4847	4853	4859	4865	4871	4877	4883	4889	4895	4901	4907	4913	4919	4925	4931	4937	4943	4949	4955	4961	4967	4973	4979	4985	4991	4997	5003	5009	5015	5021	5027	5033	5039	5045	5051	5057	5063	5069	5075	5081	5087	5093	5099	5105	5111	5117	5123	5129	5135	5141	5147	5153	5159	5165	5171	5177	5183	5189	5195	5201	5207	5213	5219	5225	5231	5237	5243	5249	5255	5261	5267	5273	5279	5285	5291	5297	5303	5309	5315	5321	5327	5333	5339	5345	5351	5357	5363	5369	5375	5381	5387	5393	5399	5405	5411	5417	5423	5429	5435	5441	5447	5453	5459	5465	5471	5477	5483	5489	5495	5501	5507	5513	5519	5525	5531	5537	5543	5549	5555	5561	5567	5573	5579	5585	5591	5597	5603	5609	5615	5621	5627	5633	5639	5645	5651	5657	5663	5669	5675	5681	5687	5693	5699	5705	5711	5717	5723	5729	5735	5741	5747	5753	5759	5765	5771	5777	5783	5789	5795	5801	5807	5813	5819	5825	5831	5837	5843	5849	5855	5861	5867	5873	5879	5885	5891	5897	5903	5909	5915	5921	5927	5933	5939	5945	5951	5957	5963	5969	5975	5981	5987	5993	5999	6005	6011	6017	6023	6029	6035	6041	6047	6053	6059	6065	6071	6077	6083	6089	6095	6101	6107	6113	6119	6125	6131	6137	6143	6149	6155	6161	6167	6173	6179	6185	6191	6197	6203	6209	6215	6221	6227	623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3NK/4NK

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 +40°C
Maximum sand content: 0.15%
Maximum immersion: 50m
3NK minimum well diameter: 3"
4NK minimum well diameter: 4"

Motor and Pump
Rewindable motor
Single-phase 220-240V/50Hz
Three-phase 380-415V/50Hz
Equip with start control box or digital auto-control box
Curve tolerance according to ISO 9901

Options on request
Special mechanical seal
Single phase motor with built-in capacitor

Warranty: 2 years
(according to our general sales conditions)

3 NK (M) 75

power code
single phase
(three phase with no marked)
model
well 3"

Components	Material
Delivery casing	AlSi1304 SS
Bottom basket	AlSi1420 SS
Diffuser	AlSi1420 SS
Impeller	Cast-iron ASTM C85500
Strainer	AlSi1304 SS
Motor external casing	AlSi1304 SS
Top shock	Cast-iron ASTM C85500 / AISI 420 SS
Bottom support	Cast-iron ASTM NO. 30
Mechanical seal	Graphite-Ceramic
"Seal"	AlSi1304 SS-ASTM 5148
Seal lubricant oil	Oil for food machinery and pharmaceutical use

PERFORMANCE DATA 50Hz

MODEL	P2		DELIVERY n=2850 1/min										
	1"	3"	Q m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
220-240V	380-415V	kW	HP	H(m)									
3NKM75	3NK75	0.55	0.75	39	34	30	25	20	15	11	6	-	-
3NKM100	3NK100	0.75	1	58	48	41	34	27	20	13	6	-	-
4NKM100	4NK100	0.75	1	58	52	46	40	34	28	22	15	10	5
4NKM150	4NK150	1.1	1.5	100	89	79	69	59	48	38	28	17	7
4NKM200	4NK200	1.5	2	110	99	88	78	67	56	45	34	23	12

3SK/4SK

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 +40°C
Maximum sand content: 0.15%
Maximum immersion: 50m
3NK minimum well diameter: 3"
4NK minimum well diameter: 4"

Motor and Pump
Rewindable motor
Single-phase 220-240V/50Hz
Three-phase 380-415V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9901

Options on request
Special mechanical seal

Warranty: 2 years
(according to our general sales conditions)

3 NK (M) 75

power code
single phase
(three phase with no marked)
model
well 3"

Components	Material
Delivery casing	AlSi1304 SS
Bottom basket	AlSi1420 SS
Diffuser	AlSi1420 SS
Impeller	Cast-iron ASTM C85500
Strainer	AlSi1304 SS
Motor external casing	AlSi1304 SS
Top shock	Cast-iron ASTM C85500 / AISI 420 SS
Bottom support	Cast-iron ASTM NO. 30
Mechanical seal	Graphite-Ceramic
"Seal"	AlSi1304 SS-ASTM 5148
Seal lubricant oil	Oil for food machinery and pharmaceutical use

PERFORMANCE DATA 50Hz

MODEL	P2		DELIVERY n=2850 1/min										
	1"	3"	Q m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
220-240V	380-415V	kW	HP	H(m)									
3SKM75	3SK75	0.55	0.75	39	34	30	25	20	15	11	6	-	-
3SKM100	3SK100	0.75	1	58	48	41	34	27	20	13	6	-	-
4SKM100	4SK100	0.75	1	58	52	46	40	34	28	22	15	10	5
4SKM150	4SK150	1.1	1.5	100	89	79	69	59	48	38	28	17	7
4SKM200	4SK200	1.5	2	110	99	88	78	67	56	45	34	23	12

3SV/4SV

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 +40°C
Maximum sand content 0.15%
Maximum immersion 50m
3SV minimum well diameter: 3"
4SV minimum well diameter: 4"

Motor and Pump

Rewindable motor
Single-phase 220-240V/50Hz
Three-phase 380-415V/50Hz
Equip with start control box or digital auto-control box
Curve tolerance according to ISO 9901

Options on request

Special mechanical seal
Single phase motor with built-in capacitor

Warranty: 2 years

(according to our general sales conditions)

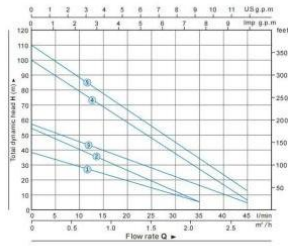
3 SV (M) 75

power code
single phase
(three phase with no marked)
model
well Ø 3"

Components	Material
Delivery casing	AlSi304 SS
Suction lantern	AlSi420 SS
Diffuser	AlSi420 SS
Impeller	Cast-Cu-ASTM C85500
Strainer	AlSi304 SS
Motor external casing	AlSi304 SS
Top check	Cast-Cu-ASTM C85500 / AlSi420 SS
Bottom support	Cast-Iron ASTM NO.30
Mechanical seal	Graphite-Ceramic
Shaft	AlSi304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use

PERFORMANCE DATA 50Hz

MODEL	P2	kW	HP	Q m³/h l/min	DELIVERY n=2850 1/min															
					0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7						
220-240V	380-415V				0	5	10	15	20	25	30	35	40	45						
3SVM75	3SV75	0.55	0.75		39	34	30	25	20	15	11	6	-	-	-	-	-	-	-	-
380V150	380V150	0.75	1		55	48	41	34	27	20	13	6	-	-	-	-	-	-	-	-
45VM100	45V100	0.75	1		58	52	46	40	34	28	22	16	10	5						
45VM150	45V150	1.1	1.5		100	89	79	69	59	48	38	28	17	7						
45VM200	45V200	1.5	2		110	99	88	78	67	56	45	34	23	12						



4PN

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 0.15%
Maximum immersion 50m
Minimum well diameter: 4"

Motor and Pump

Rewindable motor
Single-phase 220-240V/50Hz
Three-phase 380-415V/50Hz
Single phase motor with built-in capacitor
Curve tolerance according to ISO 9901

Options on request

Special mechanical seal
Warranty: 2 years

(according to our general sales conditions)

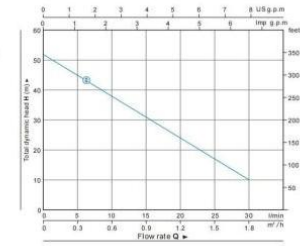
4 PN -20 (M)

single phase
(three phase with no marked)
model
well Ø 4"

Components	Material
Delivery casing	Plastic PA
Impeller	Cast-Cu-ASTM C85500
Motor external casing	AlSi304 SS
Top check	Plastic PA
Bottom support	Plastic PA
Mechanical seal	Graphite-Ceramic
Shaft	AlSi304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use

PERFORMANCE DATA 50Hz

MODEL	P2	kW	HP	Q m³/h l/min	DELIVERY n=2850 1/min															
					0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7						
220-240V	380-415V				0	5	10	15	20	25	30	35	40	45						
4PN-20M	4PN-20	0.75	1		52	45	38	31	24	17	10									



3QG/4QG

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 +40°C
Maximum sand content 0%
Maximum immersion 50m
3QG minimum well diameter: 3"
4QG minimum well diameter: 4"

Motor and Pump

Rewindable motor
Single-phase 220-240V/50Hz
Three-phase 380-415V/50Hz
Single phase motor with built-in capacitor
Curve tolerance according to ISO 9901

Options on request

Special mechanical seal
Warranty: 2 years

(according to our general sales conditions)

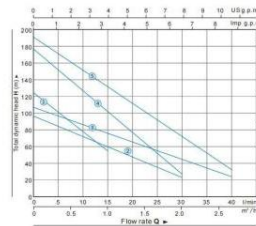
3 QG (D) 0.8-50-0.37

power (kW)
head (m)
capacity (m³/h)
single phase
(three phase with no marked)
model
well Ø 3"

Components	Material
Delivery casing	AlSi304 SS
Strainer	AlSi304 SS
Motor external casing	AlSi304 SS
Top check	Cast-Iron ASTM NO.30
Bottom support	AlSi304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AlSi304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use

PERFORMANCE DATA 50Hz

MODEL	P2	kW	HP	Q m³/h l/min	DELIVERY n=2850 1/min															
					0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7						
220-240V	380-415V				0	5	10	15	20	25	30	35	40	45						
3QG0.8-50-0.37	3QG0.8-50-0.37	0.37	0.5		125	101	76	52												
4QG0.8-50-0.37	4QG0.8-50-0.37	0.37	0.5		95	83	72	60	48	35	22									
4QG0.8-50-0.5	4QG0.8-50-0.5	0.5	0.7		107	95	86	81	71	61	50	36	23	5						
4QG0.8-50-0.75	4QG0.8-50-0.75	0.75	1		175	154	138	115	90	56	25									
4QG0.8-50-1.1	4QG0.8-50-1.1	1.1	1.5		190	177	163	147	128	107	64	58	30	12						



4SN2

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 0.15%
Maximum immersion 50m
Minimum well diameter: 4"

Motor and Pump

Single-phase 220-240V/50Hz
Three-phase 380-415V/50Hz
Equip with start control box or digital auto-control box
Pumps are designed by casing stressed
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 50Hz

Warranty: 2 years

(according to our general sales conditions)

4 SN (M) 2/4 (N) (A)

with floating switch
built-in capacitor
(without capacitor with no M marked)
impeller's number
capacity (m³/h)
single phase
(three phase with no M marked)
model
well Ø 4"

Components	Material
Delivery casing	AlSi304 SS
Suction lantern	AlSi304 SS
Pump external casing	AlSi304 SS
Diffuser	Plastic PC
Impeller	Plastic POM
Motor external casing	AlSi304 SS
Top check	Cast-Iron ASTM NO.30
Bottom support	AlSi304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AlSi304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use

PERFORMANCE DATA 50Hz

MODEL	P2	kW	HP	Q m³/h l/min	DELIVERY n=2850 1/min															
					0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7						
220-240V	380-415V				0	5	10	15	20	25	30	35	40	45						
4SNM2/4	4SNM2/4	0.25	0.33		23	20	17	14	11	8	5	3	2	1						
4SNM2/6	4SNM2/6	0.37	0.5		43	42	41	40	37	30	25	22	18	13						
4SNM2/8	4SNM2/8	0.55	0.75		56	57	55	53	50	47	44	39	34	29	23	17				
4SNM2/10	4SNM2/10	0.75	1		72	71	68	65	62	59	55	48	42	36	29	22				
4SNM2/13	4SNM2/13	1.1	1.5		94	92	88	86	81	77	71	63	55	47	38	28				

