

PACiFiC Submersible Pumps



- Energy efficient operation saves power and reduces energy bills
- Dynamically balanced rotor for smooth, noise-free and vibration-free operation
- Water-cooled, squirrel cage motor for efficient operations and durability
- Operable over a wide voltage range from 350 Volt to 440 Volt (3 phase, 50 Hz, AC supply)
- Epoxy coated ferrous parts to prevent rust in rotating and stationary parts
- Multi-stages, centrifugal, stainless steel impellers for axial, radial and mixed flow requirements

Vertical borewell submersible pumpsets from Kapsons are designed for highly energy efficient operation. Use of high quality components makes them suitable for underground, underwater operations while ensuring trouble-free performance for several years.

These pumps are suitable for domestic, agricultural and industrial use and are available in different sizes and models to suit specific application.

Material of construction

Part	Material
Upper housing	: Graded Cast Iron FG 200
Motor shaft	: S.S.Gr.410
Pump shaft	: S.S.Gr.410
Impeller	: High graded S.S. casting
Motor bush	: G.M.LTB-4
Thrust bearing	: Carbon finish fibre
Pump bush	: Nitrile rubber
Delivery casting	: Graded Cast Iron FG 200

V-3 WATER FILLED

Submersible Pumpsets - 80mm (3")

Performance chart at 240/415V, Single/Three Phase, 50 Hz, A.C. Supply Category "B", Duty S1, Induction Motor (Radial Flow)

Pump Model	kW	HP	Stage	Del. Pipe (mm)	LPS LPM LPH	Head in mtr										Current (AMP)
						20	25	30	35	40	45	50	55			
	0.37	0.50	8	32		34	32	29	26	22	19	15	12	5.0		
	0.55	0.75	12	32		51	48	44	39	34	28	23	18	6.5		
	0.75	1.00	15	32		64	60	55	49	42	35	29	22	7.5		
	0.93	1.25	18	32		78	72	66	59	50	43	35	26	9.0		
	1.1	1.50	25	32		107	100	92	82	70	58	48	37	10.0		

Max. outer dia. 76mm

Pump Model	kW	HP	Stage	Del. Pipe (mm)	LPS LPM LPH	Head in mtr										Current (AMP)
						10	15	20	25	30	35	40	45			
	0.37	0.50	10	32		40	38	35	32	28	24	20	14	5.0		
	0.55	0.75	15	32		60	56	38	35	32	28	24	20	6.5		
	0.75	1.00	20	32		80	75	70	63	55	48	39	28	7.5		
	0.93	1.25	26	32		107	104	98	87	79	70	58	46	9.0		
	1.1	1.50	30	40		120	117	109	98	86	74	61	43	10.0		

Pump Model	kW	HP	Stage	Del. Pipe (mm)	LPS LPM LPH	Head in mtr										Current (AMP)
						30	35	40	45	50	55	60	65			
	0.37	0.50	7	40		28	26	23	21	19	16	13	9	5.0		
	0.55	0.75	10	40		39	37	33	30	27	23	18	13	6.5		
	0.75	1.00	13	40		50	45	41	37	33	30	23	15	7.5		
	0.93	1.25	15	40		59	56	50	45	40	34	27	20	9.0		
	1.1	1.50	15	40		61	58	53	48	43	37	29	21	10.0		
	1.1	1.50	18	40		71	67	60	54	48	41	32	23	10.0		

V-4 WATER COOLED

Submersible Pumpsets - 100mm (4")

Performance chart at 2900RPM, 240V, Single Phase & 415 V, Three Phase, 50 Hz, A.C. Supply (Radial Flow)

Max. outer dia. 96mm

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	Head in mtr									
						0	0.20	0.35	0.45	0.70	0.90	1.10	1.30		
	0.37	0.50	7	1 1/4"		0	12	21	27	42	54	66	78	1.30	
						0	720	1260	1620	2520	3240	3960	4680	78	
						42	39	36	32	26	21	14	12	12	
						60	55	51	46	38	30	20	18	18	
						84	77	71	64	53	42	28	24	24	
						114	105	97	87	71	57	38	32	32	
150	142	128	115	94	75	50	42	42							

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	Head in mtr									
						0	0.35	0.60	0.90	1.10	1.30	1.50	1.70		
	0.37	0.50	5	1 1/4"		0	1260	2520	4240	5440	6640	7840	9040	1.30	
						0	1260	2520	4240	5440	6640	7840	9040	1.30	
						30	28	25	22	19	16	11	9	9	
						42	39	35	31	27	23	16	12	12	
						60	55	50	44	38	33	23	18	18	
						84	77	70	62	53	46	32	24	24	
						114	105	95	84	72	62	43	34	34	
144	132	120	106	91	79	55	43	43							

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	Head in mtr									
						0	0.60	1.00	1.30	1.50	1.70	1.90	2.10		
	0.55	0.75	5	1 1/2"		0	36	60	78	90	102	114	126	2.10	
						0	2160	3600	4680	5400	6120	6840	7560	174	
						33	30	28	25	20	15	10	7	7	
						46	42	39	35	28	21	14	10	10	
						52	48	44	40	32	24	16	12	12	
						65	60	55	50	40	30	20	15	15	
						91	84	77	70	56	42	28	21	21	
						124	112	105	95	76	57	38	28	28	
156	144	132	120	96	72	48	36	36							

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	Head in mtr									
						0	0.90	1.35	1.70	2.00	2.30	2.60	2.90		
	0.75	1.00	5	1 1/2"		0	54	81	104	126	148	170	192	2.90	
						0	3240	4860	6120	7200	8280	9360	10440	174	
						34	30	28	25	20	15	10	7	7	
						47	42	39	35	28	21	14	10	10	
						68	60	56	50	40	30	20	15	15	
						91	84	78	70	56	42	28	21	21	
						117	108	104	90	72	54	36	27	27	
143	132	123	110	88	66	44	33	33							



PACIFIC

Submersible Pumps

V-4 OIL FILLED

Submersible Pumpsets - 100mm (4")
Performance chart at 2900 RPM, 240V,
Single Phase & 415 V, Three Phase,
50 Hz, A.C. Supply (Radial Flow)

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	0	0.60	1.00	1.30	1.50	1.70	1.90	2.10
						0	36	60	78	90	102	114	126
						0	2160	3600	4680	5400	6120	6840	7560
	0.55	0.75	5	1 1/2"	Head in mtr	33	30	28	25	20	15	10	7
	0.75	1.00	7	1 1/2"		46	42	39	35	28	21	14	10
	0.75	1.00	8	1 1/2"		52	48	44	40	32	24	16	12
	1.10	1.50	10	1 1/2"		65	60	55	50	40	30	20	15
	1.50	2.00	14	1 1/2"		91	84	77	70	56	32	28	21
2.20	3.00	19	1 1/2"	156	114	105	95	76	57	38	29		

Max. outer dia. 96mm

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	0	0.20	0.35	0.45	0.70	0.90	1.10	1.30
						0	12	21	27	42	54	66	78
						0	720	1260	1620	2520	3240	3960	4680
	0.55	0.75	10	1 1/4"	Head in mtr	60	55	51	46	38	30	20	18
	0.75	1.00	14	1 1/4"		84	77	71	64	58	42	28	24
	1.10	1.50	19	1 1/4"		114	105	97	87	71	57	38	32
	1.50	2.00	25	1 1/4"		150	138	128	115	95	75	50	45

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	0	0.90	1.35	1.70	2.00	2.30	2.60	2.90
						0	54	81	102	120	138	156	174
						0	3240	4860	6120	7200	8280	9360	10440
	0.75	1.00	5	1 1/2"	Head in mtr	34	30	28	25	20	15	10	7
	1.10	1.50	7	1 1/2"		47	42	39	35	28	21	14	10
	1.50	2.00	10	1 1/2"		68	60	56	50	40	30	20	15
	2.20	3.00	14	1 1/2"		41	84	78	70	56	42	28	21
	3.00	4.00	18	1 1/2"		117	108	104	90	72	54	36	27
	3.70	5.00	22	1 1/2"		143	132	123	110	88	66	44	33

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	0	0.35	0.60	0.90	1.10	1.30	1.50	1.70
						0	1260	2520	3240	3960	4680	5400	6120
	0.55	0.75	7	1 1/4"	Head in mtr	42	39	35	31	27	23	18	12
	0.75	1.00	10	1 1/4"		60	55	50	44	38	33	23	18
	1.10	1.50	14	1 1/4"		84	77	70	62	53	46	32	24
	1.50	2.00	19	1 1/4"		114	105	95	84	72	63	44	34
	2.00	3.00	24	1 1/4"		144	132	120	106	91	79	55	43

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	0	1.00	1.40	1.80	2.50	3.50	4.00	4.50
						0	3600	5040	6480	9000	12600	14400	16200
	1.10	1.50	7	2	Head in mtr	43	41	38	34	28	21	14	11
	1.50	2.00	9	2		56	52	49	44	36	27	18	14
	2.25	3.00	12	2		75	72	65	60	48	36	24	18
	3.00	4.00	15	2		94	90	81	75	60	45	30	23
	3.70	5.00	19	2		120	114	103	95	76	57	38	29

V-6 WATER COOLED

Submersible Pumpsets - 150mm (6")
Performance Chart at 2900 RPM, 415V,
Three Phase, 50 Hz, A.C. Supply (Radial Flow)

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	0	1.20	1.80	2.30	3.00	3.50	4.00	4.50
						0	4320	6480	8280	10800	12600	14400	16200
	3.00	4.00	10	2	Head in mtr	105	95	90	80	75	70	60	50
	3.70	5.00	12	2		126	114	105	96	90	84	72	60
	4.50	6.00	15	2		158	143	135	120	113	105	90	75
	5.50	7.50	18	2		189	171	162	144	135	126	108	90
	5.50	7.50	20	2		210	190	180	160	150	140	120	100
	7.50	10.00	25	2		263	238	225	200	188	175	150	125
	9.30	12.50	30	2		315	285	270	240	225	210	180	150

Max. outer dia. 142mm

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	0	1.70	2.30	2.80	3.50	4.00	4.50	5.00
						0	6120	8280	10080	12600	14400	16200	18000
	3.00	4.00	8	2	Head in mtr	84	76	72	64	60	56	48	40
	3.70	5.00	10	2		105	95	90	80	75	70	60	50
	4.50	6.00	12	2		126	114	108	96	90	84	72	60
	5.50	7.50	14	2		147	133	126	112	105	98	84	70
	5.50	7.50	15	2		158	143	135	120	113	105	90	75
	7.50	10.00	20	2		210	190	180	160	150	140	120	100
	9.30	12.50	25	2		263	238	225	200	188	175	150	125

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	0	2.30	3.00	3.50	4.20	4.70	5.20	5.70
						0	8280	10800	12600	15120	16920	18720	20520
	3.00	4.00	7	2	Head in mtr	74	67	63	60	56	49	42	35
	3.70	5.00	8	2		84	76	72	68	64	56	48	40
	4.50	6.00	10	2		105	95	90	85	80	70	60	50
	5.50	7.50	12	2		126	114	108	102	96	84	72	60
	7.50	10.00	16	2		168	152	144	136	128	112	96	80
	9.30	12.50	20	2		210	190	180	170	160	140	120	100
	11.00	15.00	24	2		252	228	216	204	192	168	144	120



PACIFIC

Submersible Pumps

V-8 WATER COOLED

Submersible Pumpsets - 100mm (8")
Performance chart at 2900 RPM, 240V,
Single Phase & 415 V, Three Phase,
50 Hz, A.C. Supply (Radial Flow)

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	0	5.00	7.50	10.00	14.00	16.50	19.00	21.50
						0	300	450	600	840	990	1140	1290
						0	18000	27000	39600	50400	59400	68400	77400
	7.50	10.00	3	3	Head in mtrs.	63	60	54	48	42	36	33	30
	9.30	12.50	4	3		84	80	72	64	56	48	44	40
	11.00	15.00	5	3		105	100	90	80	70	60	55	50
	15.00	20.00	7	3		147	140	126	112	98	72	77	70
	18.00	25.00	8	3		168	160	144	128	112	104	88	80

Max. outer dia. 196mm

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	0	6.00	8.50	12.00	16.00	19.00	21.50	24.00
						0	360	510	720	960	1140	1290	1440
						0	21600	30600	43200	57600	68400	77400	86400
	5.50	7.50	2	4	Head in mtrs.	42	40	36	32	28	24	20	18
	9.30	12.50	3	4		63	60	54	48	42	36	30	27
	11.00	15.00	4	4		84	80	72	64	56	48	40	36
	15.00	20.00	5	4		105	100	90	80	70	60	50	45
	18.00	25.00	6	4		126	120	108	96	84	72	60	54
	22.00	30.00	8	4		168	160	144	128	112	96	80	72

Pump Model	kW	HP	Stage	Del. outlet size in inch	LPS LPM LPH	0	7.00	10.50	14.50	18.50	21.50	24.50	27.00
						0	420	630	870	1110	1290	1470	1620
						0	25200	37800	52200	66600	77400	88200	97200
	7.50	10.00	2	4	Head in mtrs.	45	42	37	34	30	24	20	18
	11.00	15.00	3	4		67	63	56	51	45	36	30	27
	15.00	20.00	4	4		90	84	74	68	60	48	40	36
	18.00	25.00	5	4		113	105	93	85	75	60	50	45
	22.00	30.00	6	4		135	126	111	102	90	72	60	54
	26.00	35.00	7	4		158	147	130	119	105	84	70	63
	30.00	40.00	8	4		180	168	148	136	120	96	80	72



Kapsons Industries Ltd.

KAPSONS INDUSTRIES LTD.

GT Road, Suranussi, Jalandhar - 144 027
Punjab, INDIA
Tel. : +91-181-2670900, 2670588, 2670902
Fax : +91-181-2671901
E-mail : info@kapsonsindustries.com

www.KapsonsIndustries.com