



Enriching Lives



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KP4
100MM
SUBMERSIBLE PUMP



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KP4

100MM Submersible Pump

PRODUCT SNAPSHOT

Range and Technical Specifications

- Head

: 10 - 132 Meters
- Capacity

: 10 to 350 LPM
- Rating

: 0.37 kW / 0.5 HP to
2.2 kW / 3 HP
- Voltage Range

: 1 Phase (180 to 240)
- Motor

: Oil filled, fitted with ball bearing
- Anti-friction bearings for axial/radial loads ensure longer life of motor
- Potable and hygienic grade of oil-filled motor facilitates use of anti-friction bearings (instead of journal bearings), which result in smooth running and trouble free pump set operation
- Stator is easily rewound
- Insulation

: Class 'F'
- Maximum starts/stops

: 30 per hour

Construction Material

- Pump Housing

: Stainless Steel
- Pump Shaft

: Stainless Steel
- Suction Bracket

: C.I.FG-200
- Discharge Nozzle

: C.I.FG-200
- Stage Bowl

: Stainless Steel
- Impellers

: Noryl
- Diffusers

: Noryl
- Strainer

: Stainless Steel

Motor

- Motor Housing

: Stainless Steel
- Motor shaft

: Stainless Steel
- Motor Topshield

: Cast Iron
- All Hardware

: Stainless Steel

FEATURES

- Low power consumption
- Designed for optimum efficiency
- Suitable for oil and water filled motor
- Pump motor connection according to NEMA standard
- Hexa Rubber Bush and Stainless Steel sleeve for increased wear resistance
- NRV fitted in discharge outlet to prevent backflow
- Corrosion and abrasion resistant parts
- Less vibration and lower noise level due to dynamic balancing of rotating parts
- Lightweight and compact size make it easy to install
- Can be installed with HDPE / UPVC / GI pipes
- Can be installed horizontally

APPLICATIONS

- Domestic and industrial water supply
- Firefighting systems for small and medium size plants
- Sprinkler and drip irrigation systems
- Booster systems
- Farmhouses, nurseries and gardening



PERFORMANCE CHART OF 100 mm (4") OIL Filled SUBMERSIBLE PUMP KP4 SERIES AT 50Hz FREQUENCY & 220 VOLTS RATED VOLTAGE FOR 1PH, 415 VOLTS RATED VOLTAGE FOR 3PH

PUMP MODEL	DEL. SIZE (MM)	POWER RATING (KW / HP)	STG	FULL LOAD CURRENT 1Ø	HEAD IN METRES								
						LPM	20	40	50	60	70	80	90
						LPS	0.33	0.67	0.83	1	1.17	1.33	1.5
KP4 JALRAAJ - 1008	32	0.75/1.0	8	6.7	HEAD IN METRES	49	46	42	38	34	26	20	10
KP4-JALRAAJ - 1009	32	0.75/1.0	9	6.7		55	49	46	42	36	30	22	13
KP4-JALRAAJ - 0713	32	1.1/1.5	13	9		82	78	68	60	51	42	32	20

PUMP MODEL	DEL. SIZE (MM)	POWER RATING (KW/HP)	STG	RATED CURRENT		GPM	2.6	5.3	6.6	7.9	9.2	10.6	13.2
						LPM	10	20	25	30	35	40	50
						LPS	0.17	0.33	0.42	0.50	0.58	0.67	0.83
KP4 - 0307S	32	0.37 / 0.5	7	3.5	1.4	HEAD IN METRES	M³/Hr	0.6	1.2	1.5	1.8	2.1	2.4
KP4 - 0310S	32	0.55 / 0.75	10	4.5	1.9		44	39	36	32	28	22	10
KP4 - 0311S	32	0.75 / 1.02	11	5.8	2.5		63	56	51	46	39	31	14
KP4 - 0314S	32	0.75 / 1.02	14	5.8	2.5		69	61	56	50	43	35	16
KP4 - 0321S	32	1.1 / 1.5	21	7.9	2.9		88	78	71	64	55	44	20
							132	117	107	96	83	66	30

PUMP MODEL	DEL. SIZE (MM)	POWER RATING (KW/HP)	STG	RATED CURRENT		GPM	5.3	10.6	13.2	15.8	18.5	21.1	26.4
						LPM	20	40	50	60	70	80	100
						LPS	0.33	0.67	0.83	1.00	1.17	1.33	1.67
KP4 - 0707S	32	0.55 / 0.75	7	4.5	1.9	HEAD IN METRES	M³/Hr	1.2	2.4	3.0	3.6	4.2	4.8
KP4 - 0708S	32	0.75 / 1.02	8	6	4		46	43	40	36	31	25	9
KP4 - 0709S	32	0.75 / 1.02	9	6	4		52	49	46	41	35	28	10
KP4 - 0713S	32	1.1 / 1.5	13	7.9	4.2		59	55	52	46	39	32	11
							85	80	75	67	57	46	16

PUMP MODEL	DEL. SIZE (MM)	POWER RATING (KW/HP)	STG	RATED CURRENT		GPM	6.6	13.2	19.8	26.4	33.0	39.6	46.2
						LPM	25	50	75	100	125	150	175
						LPS	0.42	0.83	1.25	1.67	2.08	2.50	2.92
KP4 - 1509S	50	1.5 / 2	9	11	4.5	M³/Hr	1.5	3.0	4.5	6.0	7.5	9.0	10.5
							56	54	50	44	36	27	18

PUMP MODEL	DEL. SIZE (MM)	POWER RATING (KW/HP)	STG	RATED CURRENT		GPM	13.2	26.4	39.6	52.8	66.0	79.2	92.4
						LPM	50	100	150	200	250	300	350
						LPS	0.83	1.67	2.50	3.33	4.17	5.00	5.83
KP4 - 2509S	50	2.2 / 3	9	15	6	M³/Hr	3.0	6.0	9.0	12.0	15.0	18.0	21.0
							52	46	41	34	26	18	11