



KP4
OIL FILLED
4" BOREWELL
SUBMERSIBLE PUMPS



TECHNICAL SPECIFICATION

Head Range	: Upto 132 meters
Discharge Range	: Upto 350 LPM
Power Ratings	: 0.37 to 2.2 kW (0.5 to 3 HP)
Voltage Range	: 150 to 240 Volts (Single Phase) 280 to 440 Volts (Three Phase)
Type of Cooling	: Oil Cooled
Insulation	: F Class
Protection	: IP 68

MATERIAL OF CONSTRUCTION

Pump Housing	: Stainless Steel
Pump Shaft	: Stainless Steel
Motor Housing	: Stainless Steel
Motor Shaft	: Stainless Steel
Motor Bearing	: Ball Bearing
Pump Bushes	: NBR
Impeller	: Noryl
Diffuser	: Noryl
NRV	: Cast Iron
Suction	: Cast Iron

APPLICATIONS

- Domestic and community water supply.
- Water supply for high rise building.
- Gardening and small farm irrigation.
- Construction site.
- Ground water supply to water works.

FEATURES

High Efficiency And Energy Saving Design

Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 280 to 440 volts and reduces motor burning in low voltage.

Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, consistent performance as concentricity is maintained.

Design To Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

Lightweight And Compact Design

Constructed with special grade engineering materials, compact designs for ease of handling and installation.

Flatter Efficiency Curve

Minimum variations in efficiency during entire operating range increases the utility of pumpset for variable conditions.

Suitable For Horizontal Applications

Motor with ball bearings are suitable for horizontal installation for water transfer at high heads in residential complex.

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KP4 -03 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE - 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	10	20	25	30	35	40	50
		kW	HP					1PH	m ³ /h	0	0.6	1.2	1.5	1.8	2.1
1	KP4-0307S	0.37	0.5	7	32	4.1	Head in Meters	45	44	43	42	39	35	31	21
2	KP4-0310S	0.55	0.75	10	32	5.0		64	63	61	60	58	50	46	32
3	KP4-0311S	0.75	1.0	11	32	6.7		71	69	68	66	64	55	50	36
4	KP4-0314S	0.75	1.0	14	32	6.7		90	88	86	84	82	70	64	48
5	KP4-0321S	1.1	1.5	21	32	9.5		135	132	129	126	122	105	96	76

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KP4 - 07 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE - 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	40	50	60	70	80	90	100
		kW	HP					1PH	m ³ /h	0	1.2	3.0	3.6	4.2	5.0
1	KP4-0707S	0.55	0.75	07	32	5.0	Head in Meters	48	42	40	36	31	25	20	9
2	KP4-0708S	0.75	1.00	08	32	6.7		54	48	46	41	35	28	23	10
3	KP4-0709S	0.75	1.00	09	32	6.7		61	55	52	46	39	32	26	11
4	KP4-0713 *S	1.10	1.50	13	32	9.5		87	79	75	67	57	46	37	16

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KP4 - 15 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE - 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	105	120	135	150	165	180	195
		kW	HP					1PH	m ³ /h	0	6.3	7.0	8.1	9.0	9.9
1	KP4-1509S	1.50	2.00	09	50	12.5	Head in Meters	52	47	43	37	30	21	19	14

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KP4 - 25 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE - 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	100	150	200	250	275	300	350
		kW	HP					1PH	m ³ /h	0	6	9	12	15	16.5
1	KP4-2509S	2.2	3.0	9	50	16	Head in Meters	50	46	41	34	26	23	18	11

PERFORMANCE CHART FOR 100 MM (4") BOREWELL SUBMERSIBLE PUMPSETS - KP4 JALRAAJ SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE - 50 Hz FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)	LPM	0	40	50	60	70	80	90	100
		kW	HP					1PH	m ³ /h	0.0	2.4	3.0	3.6	4.2	5.0
1	KP4 JALRAAJ-1006	0.75	1.00	06	32	6.7	Head in Meters	48	39	35	30	27	21	15	7
2	KP4 JALRAAJ-1008 *S	0.75	1.00	08	32	6.7		54	48	46	41	35	28	23	10
3	KP4 JALRAAJ-1009 *S	0.75	1.00	09	32	6.7		61	55	52	46	39	32	26	11
4	KP4-JALRAAJ-0713	1.10	1.50	13	32	9.5		87	79	75	67	57	46	37	16

Note:

- BIS Certification | * - BEE STAR accreditation | S - Single Phase | T - Three Phase