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KU4

OIL FILLED
10 CM BOREWELL
SUBMERSIBLE PUMPS



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KU4

10 CM BOREWELL SUBMERSIBLE PUMPS

TECHNICAL SPECIFICATION

Head Range	- Up to 251 Metres
Discharge Range	- Up to 350 LPM
Power Rating	- 0.37 to 3.70 kW (0.5 to 5.0 HP)
Voltage Range	- 150 to 240 Volts (Single Phase) 280 to 440 Volts (Three Phase)
Insulation	- F Class
Type of Cooling	- Oil Cooled
Protection	- IP68

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	- Stainless Steel
Suction	- Stainless Steel

APPLICATIONS

- Domestic and community water supply
- Rural water supply
- Gardening and small farm irrigation
- Construction Site
- Water supplies for high rise building

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 variations which reduces the chances of motor burning at low voltage.

Dynamically Balanced Rotating Parts

Minimum vibration protects components from damage during the operation, thus ensures consistent performance over longer time period as concentricity is maintained.

Design to Prevent Overloading

Lesser chances of motor burning even if the pump operates at lower head than recommended as motor does not get overload thus ensures substantial saving from maintenance cost and breakdown.

Lightweight and Compact Design

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

Splined Shaft

Splined shaft made from cold extrusion technology with high surface strength provides better life and good axiality.

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 complexes.

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KU4 - 02 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	5	10	15	20	25	30	35
		kW	HP			1PH	3PH		m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8
1	KU4 - 0214	0.37	0.50	14	32	4.1	NA	Head in Meters	74	69	64	57	50	41	31	20
2	KU4 - 0221	0.55	0.75	21	32	5.0	NA		107	104	96	86	75	62	47	30
3	KU4 - 0224	0.75	1.00	24	32	6.7	2.5		122	118	110	98	86	70	53	34
4	KU4 - 0228	0.75	1.00	28	32	6.7	2.5		144	138	128	114	100	82	62	40
5	KU4 - 0234	1.10	1.50	34	32	9.5	2.9		176	168	155	138	121	100	75	49
6	KU4 - 0240	1.10	1.50	40	32	9.5	2.9		206	197	183	163	143	117	89	57

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KU4 - 03 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	10	20	25	30	35	40	50
		kW	HP			1PH	3PH		m³/h	0	0.6	1.2	1.5	1.8	2.1	2.4
1	KU4 - 0307	0.37	0.50	07	32	4.1	NA	Head in Meters	45	44	39	36	32	28	22	10
2	KU4 - 0310	0.55	0.75	10	32	5.0	NA		64	63	56	51	46	39	31	14
3	KU4 - 0311	0.75	1.00	11	32	6.7	2.5		70	69	61	56	50	43	35	16
4	KU4 - 0314	0.75	1.00	14	32	6.7	2.5		89	88	78	71	64	55	44	20
5	KU4 - 0318	1.10	1.50	18	32	9.5	2.9		115	113	100	91	82	71	57	26
6	KU4 - 0321	1.10	1.50	21	32	9.5	2.9		134	132	117	107	96	83	66	30
7	KU4 - 0328	1.50	2.00	28	32	12.5	4.0		179	176	156	142	128	110	88	40
8	KU4 - 0334	2.20	3.00	34	32	16.0	6.0		217	214	189	172	155	134	107	49
9	KU4 - 0340	2.20	3.00	40	32	16.0	6.0		255	251	223	203	183	157	126	57

KU4

10 CM BOREWELL SUBMERSIBLE PUMPS

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KU4 - 07 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	40	50	60	70	80	90	100
		kW	HP			1PH	3PH		m³/h	0	2.4	3.0	3.6	4.2	4.8	5.4
1	KU4-0707	0.55	0.75	07	32	5.0	NA	Head in Meters	48	42	40	36	31	25	20	9
2	KU4-0708	0.75	1.00	08	32	6.7	2.5		54	48	46	41	35	28	23	11
3	KU4-0709	0.75	1.00	09	32	6.7	2.5		61	55	52	46	39	32	26	12
4	KU4-0713	1.10	1.50	13	32	9.5	2.9		87	79	75	67	57	46	37	16
5	KU4-0718	1.50	2.00	18	32	12.5	4.0		123	109	104	92	79	63	51	23
6	KU4-0722	1.87	2.50	22	32	14.25	NA		150	133	127	113	96	77	63	28
7	KU4-0727	2.20	3.00	27	32	16.0	6.0		181	164	155	138	118	95	77	34
8	KU4-0736	3.00	4.00	36	32	NA	8.5		241	218	207	185	158	126	103	45

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KU4 - 08 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	20	40	60	80	100	120	140
		kW	HP			1PH	3PH		m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2
1	KU4-0807	0.75	1.00	07	32	6.7	2.5	Head in Meters	41	40	38	36	34	32	27	20
2	KU4-0810	1.10	1.50	10	32	9.5	2.9		59	57	56	51	49	46	39	29
3	KU4-0814	1.50	2.00	14	32	12.5	4.0		82	80	79	72	68	64	54	40
4	KU4-0821	2.20	3.00	21	32	16.0	6.0		123	120	119	108	102	96	81	60
5	KU4-0828	3.00	4.00	28	32	NA	8.5		164	160	158	144	136	128	108	80
6	KU4-0838	3.70	5.00	38	32	NA	10.0		223	217	214	195	185	174	147	109

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KU4 - 15 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Amp.)		LPM	0	25	50	75	150	160	170	175
		kW	HP			1PH	3PH		m³/h	0	1.5	3.0	4.5	9.0	9.6	10.2
1	KU4 - 1505	0.75	1.00	05	50	6.7	2.5	Head in Meters	32	31	29	28	17	15	13	12
2	KU4 - 1507	1.10	1.50	07	50	9.5	2.9		45	43	41	39	24	21	18	16
3	KU4 - 1509	1.50	2.00	09	50	12.5	4.5		57	55	53	50	31	27	23	21
4	KU4 - 1512	2.20	3.00	12	50	16.0	6.0		77	73	71	66	42	36	31	28
5	KU4 - 1514	2.20	3.00	14	50	16.0	6.0		89	86	82	77	48	42	36	33
6	KU4 - 1519	3.00	4.00	19	50	NA	8.5		121	116	112	105	66	57	49	45
7	KU4 - 1524	3.70	5.00	24	50	NA	10.0		153	147	141	132	83	72	62	56
8	KU4 - 1526	3.70	5.00	26	50	NA	10.0		166	159	153	143	90	78	67	61

PERFORMANCE CHART FOR 10 CM BOREWELL SUBMERSIBLE PUMPSETS - KU4 - 25 SERIES AT RATED VOLTAGE OF 220 VOLTS - SINGLE PHASE / 415 VOLTS - THREE PHASE, 50 HZ FREQUENCY, AC SUPPLY

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)		LPM	0	100	150	200	250	275	300	350
		kW	HP			1PH	3PH		m³/h	0	6	9	12	15	17	18
1	KU4-2504	1.10	1.50	04	50	9.5	2.9	Head in Meters	22	21	18	15	12	10	8	5
2	KU4-2506	1.50	2.00	06	50	12.5	4.0		33	31	27	23	17	15	12	8
3	KU4-2507	1.87	2.50	07	50	14.25	5.0		39	36	32	26	20	18	14	9
4	KU4-2509	2.20	3.00	09	50	16.0	6.0		50	46	41	34	26	23	18	11
5	KU4-2512	3.00	4.00	12	50	NA	8.5		66	62	54	45	35	30	24	15
6	KU4-2516	3.70	5.00	16	50	NA	10.0		88	82	72	60	46	40	32	20



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