

## REGIONAL OFFICES

### AHMEDABAD

11, Mill Officers Colony, Behind La Gajjar Chambers  
Ashram Road, Ahmedabad, Pin: 380 009  
Tel : (079) 2658 3739, 2658 0376, 2658 3258  
2658 3615, 2657 4500, 2657 4802  
Fax : (079) 26583786  
Email : ahmedabad@kbl.co.in

### BANGALORE

No. 5, Lakshmi Complex, 2<sup>nd</sup> Floor, 10<sup>th</sup> Cross  
RMV Extension, C. V. Raman Road  
Bangalore, Pin: 560 080  
Tel : (080) 2361 9914, 2361 9915, 2361 0027  
2361 0028  
Fax : (080) 2361 0095  
Email : bangalore@kbl.co.in

### BHOPAL

E-1, Shankarnagar, 6½ Bus Stop, Opp. Parul Hospital  
Bhopal, Pin: 462 016  
Tel : (0755) 421 8341  
Email : bhopal@kbl.co.in

### BHUBANESWAR

7th Floor, IDCO Towers  
Janpath, Bhubaneswar - 751007 (India)  
Email : bhubaneswar@kbl.co.in

### CHENNAI

Raj Paris Trimeni Towers, 2<sup>nd</sup> Floor, 147 G. N. Chetty  
Road  
T. Nagar, Chennai, Pin: 600 017  
Tel : (044) 2815 7769, 2815 6546/ 7/8  
Fax : (044) 2815 6549  
Email : chennai@kbl.co.in

### DEWAS

Station Road, Dewas, Pin: 455 001  
Tel : (07272) 227302/ 03/ 04  
Fax : (07272) 228747

### JAIPUR

102, Riddhi Siddhi Apartments, Ahinsa Circle  
'C' Scheme, Jaipur, Pin: 302 001  
Tel : (0141) 236 1434, 236 1412  
236 1422  
Fax : (0141) 237 5670  
Email : jaipur@kbl.co.in

### JAMSHEDPUR

Kirloskar Brothers Limited  
No.4, 4th Floor, Meghdeep Building  
Q Road, Bistupur, Beside Hotel South Park  
Jamshedpur, Pin: 834001  
Email : vikrant.kumar@kbl.co.in  
Mob : (0) 94309 35888

### KOCHI

Veejay Towers, 38/239 A, Salim Rajan Road,  
Gandhinagar Ernakulam, Kochi, Pin: 682 017  
Tel : (0484) 220 6651, 220 6652,  
Fax : (0484) 220 6653  
Email : kochi@kbl.co.in

### KOLKATA

KCI Plaza, 1st Floor, 23 C, Ashutosh Chowdhary  
Avenue Kolkata, Pin: 700 019  
Tel : (033) 2461 5065, 2461 5934  
Fax : (033) 2461 4519  
Email : kolkata@kbl.co.in

### LUCKNOW

B-1/7 Sector A, Aliganj, Lucknow, Pin: 226 024  
Tel : (0522) 232 6367, 232 6374, 232 6387  
Fax : (0522) 232 6365  
Email : lucknow@kbl.co.in

### MUMBAI

10 Corporate Park, Swastik Mills Compound  
Sion - Trombay Road, Chembur  
Mumbai, Pin: 400 071  
Tel : (022) 2528 9320 - 28  
Fax : (022) 2528 9329  
Email : mumbai@kbl.co.in

### NAGPUR

101, Universal Annex, 79-Dharampeth Extension,  
Shivaji Nagar, Nagpur - 440 010  
Tel : (0712) 234275, 234276, 2232465  
Fax : (0712) 2243001

### NEW DELHI

Jeevan Tara Building, 5, Parliament Street  
New Delhi, Pin: 110 001  
Tel : (011) 4150 1055  
Fax : (011) 2334 2002  
Email : delhi@kbl.co.in

### PUNE

Udyog Bhavan, Tilak Road, Pune, Pin : 411 002  
Tel : (020) 2444 0770  
Email : pune@kbl.co.in

### SECUNDERABAD

Post Box No. 1580, 403, Jade Arcade, 126, MG Road  
Paradise Circle, Secunderabad, Pin: 500 003  
Tel : (040) 66874700, 66874712 to 37,  
27816075  
Fax : (040) 27894598  
Email : secunderabad@kbl.co.in

## KIRLOSKAR BROTHERS LIMITED

### Corporate Office:

'YAMUNA', Survey No. 98 (3-7), Baner, Pune 411 045, Maharashtra (India)  
Phone: + 91-20-27214444  
E-mail: kblin@kbl.co.in, mktg.dis@kbl.co.in  
Baner, Pune 411 045, Maharashtra (India)  
Phone: + 91-20-27214444, E-mail: kblin@kbl.co.in



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ISO 9001  
ISO 14001  
OHSAS 18001

**BUREAU VERITAS**  
Certification



## DOMESTIC PRODUCT RANGE



Enriching Lives

THE ART OF  
**CONTROLLING  
AND MANAGING**  
*the flow of water*

**KIRLOSKAR BROTHERS LIMITED**  
DISTRIBUTION SECTOR



**KIRLOSKAR**  
**KU3**  
**80mm SUBMERSIBLE**  
**PUMP**

Oil Filled

**KU3**  
**SUBMERSIBLE**  
**PUMP**

**Features**

- Pump**
- Lightweight and compact
  - Non overloading power characteristics ensure trouble free operation through the entire operating range
  - Can be installed with HDPE/ UPVC/ GI pipes
  - Flatter efficiency curve ensures better performance through entire operating range
  - Can be installed horizontally
  - Easy to assemble and dismantle

PERFORMANCE CHART OF 80 MM (3") OIL FILLED SUBMERSIBLE PUMP KU3 SERIES AT 50HZ FREQUENCY & 220 VOLTS RATED VOLTAGE FOR 1 PH

PUMP MODEL	Del. Size (mm)	Power Rating (kW/HP)	STG	Rated Current	HEAD IN METERS									
					GPM	2.6	7.9	13.2	15.9	18.5	23.8	26.4		
					LPM	10	30	50	60	70	90	100		
					LPS	0.2	0.5	0.8	1.0	1.2	1.5	1.7		
					1 Ø	M <sup>3</sup> /Hr	0.6	1.8	3.0	3.6	4.2	5.4	6.0	
KU3-0610 PUMP	32	0.37/0.5	10	4.4		28	26	21	17	13	7	4		
KU3-0612 PUMP	32	0.75/1.0	12	7.8		34	31	26	20	18	10	5		
KU3-0615 PUMP	32	0.55/0.75	15	6		41	39	31	26	22	12	7		
KU3-0615 PUMP	32	0.75/1.0	15	7.8		41	39	31	26	22	12	7		
KU3-0620 PUMP	32	0.75/1.0	20	7.8		55	52	41	34	27	13	6		
KU3-0626 PUMP	32	0.93/1.25	26	9.75		66	59	48	44	34	13	1		
KU3-0632 PUMP	32	1.1/1.5	36	11.7		86	75	60	54	44	22	7		

**Motor**

- 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), resulting in smooth running and trouble free operation of pump set
- Stator is easily rewound
- Class 'F' insulation
- Wider voltage range : 160 to 240 Volts (single phase)
- Maximum starts/ stops per hour : 30
- More hygienic operations for drinking water

**Material of Construction**

**Pump**

- Pump Housing: Stainless Steel AISI 410
- Pump Shaft : Stainless Steel AISI 410
- Impellers : Noryl
- Bowl : Noryl
- Sleeves : Stainless Steel AISI 410

**Motor**

- Motor Housing : Stainless Steel AISI 410
- Motor Shaft : Stainless Steel AISI 410
- Shaft : Stainless Steel AISI 410
- All Hardware : Stainless Steel

**Applications**

- Domestic and industrial water supply
- Fire fighting systems for small and medium size plants
- Sprinkler and drip irrigation systems
- Booster systems
- Farmhouses, nurseries and gardens

**Technical Specifications**

- Head : 4 to 86 Meters
- Capacity : 100 to 10 LPM
- Rating : 0.37 to 1.10 KW (0.50 to 1.50 HP)
- Voltage : 160 to 240 V (Single Phase)





# KIRLOSKAR

## KS3

**75mm SUBMERSIBLE  
PUMP**

Water-Filled



### Features

- Low power consumption
- Designed for optimum efficiency
- light weight and compact size make it easy to install
- Suitable for minimum 80 mm Bore Diameter
- Minimum submergence required 1 meter
- Declared performance is against power supply 1Phase 200V AC at 50 Hz
- Suitable for non corrosive water < 35 °C
- Suitable for < 50 ppm of suspended solids

### Material of Construction

(Standard Supply)

Shaft	Chrome Steel	Grade AISI 410
Impeller	Noryl	20% Glass Filled
Diffuser	Noryl	20% Glass Filled
NRV Body	Cast Iron	Grade FG 200
Bushes	Bronze	LTB 4
Rotor	Copper	Electrolyte Grade

### Applications

- Domestic and industrial water supply
- Sprinkler and drip irrigation system
- Booster systems
- Farmhouse, nurseries and gardens

### Technical Specifications

Head	: 8 to 59 Meters
Capacity	: 68 to 8 LPM
Rating	: 0.37 to 0.93 KW (0.50 to 1.25 HP)
Voltage	: 160 to 240 V (Single Phase)

Performance chart for 75 mm (3") KS3 series water filled submersible pump, at 50 Hz frequency and 220 volts rated voltage for 1phase

Model	Del. Size MM	Power Rating (kW/HP)	STG	Rated Current	1Ø	Head in Meters												
						GPM	LPM	LPS	M <sup>3</sup> /Hr	5.3	6.9	8.7	10.6	12.2	14.0	15.9		
KS3D-0507	32	0.37/0.5	7	4.4	4.4	23	22	20	19	17	15	13						
KS3D-0811	32	0.55/0.75	11	6	6	36	35	31	30	27	24	20						
KS3D-1015	32	0.75/1.0	15	7.8	7.8	49	47	43	41	36	32	28						
KS3D-1318	32	0.93/1.25	18	9.75	9.75	59	57	51	49	44	39	33						

Model	Del. Size MM	Power Rating (kW/HP)	STG	Rated Current	1Ø	Head in Meters												
						GPM	LPM	LPS	M <sup>3</sup> /Hr	6.6	8.7	11.1	13.2	14.8	16.4	18.0		
KS3E-0605	32	0.37/0.5	5	4.4	4.4	13	13	12	11	10	9	8						
KS3E-0810	32	0.55/0.75	10	6	6	26	26	24	22	20	18	16						
KS3E-1012	32	0.75/1.0	12	7.8	7.8	31	31	29	26	24	22	19						
KS3E-1014	32	0.75/1.0	14	7.8	7.8	36	36	34	31	28	25	22						
KS3E-1316	32	0.93/1.25	16	11.7	11.7	42	42	38	35	32	29	26						







# KU4 SUBMERSIBLE PUMP



#### Pump 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

#### Material of Construction

Pump Housing : Stainless Steel  
Pump Shaft : Stainless Steel  
Suction Bracket : Stainless Steel  
Discharge Nozzle : Stainless Steel  
Stage Bowl : Stainless Steel  
Impellers : Noryl  
Diffusers : Noryl  
Strainer : Stainless Steel

#### Motor

Motor Housing : Stainless Steel  
Motor shaft : Stainless Steel  
Motor Topshield : Cast Iron (Ni plated)  
All Hardware : Stainless Steel

#### 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

#### Technical Specifications

Head : 23 - 251 Meters  
Capacity : 5 to 350 LPM  
Rating : 0.37 Kw/ 0.5 HP to 4.1 Kw/ 5.5HP  
Voltage Range : 1 Phase (180 to 240)  
3 Phase (280 to 440)  
Motor : Oil filled, fitted with double 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

KIRLOSKAR

KU4

100mm SUBMERSIBLE

PUMP

Oil Filled





# KU4 SUBMERSIBLE PUMP

PERFORMANCE CHART OF 100 MM (4") OIL FILLED SUBMERSIBLE PUMP KU4 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		HEAD IN METERS												
				FULL LOAD CURRENT		GPM		LPM		LPS		M <sup>3</sup> /Hr						
				1 Ø	3 Ø	2.6	5.3	6.6	7.9	9.2	10.6	13.2	10	50	0.83	3.0		
				1 Ø	3 Ø	0.17	0.33	0.42	0.50	0.58	0.67	0.83	0.6	1.2	1.5	1.8	2.1	2.4
KU4 0307	32	0.37 / 0.5	7	3.5	1.4	44	39	36	32	28	22	10						
KU4 0310	32	0.55 / 0.75	10	4.5	1.9	63	56	51	46	39	31	14						
KU4 0311	32	0.75 / 1.02	11	5.8	2.5	69	61	56	50	43	35	16						
KU4 0314	32	0.75 / 1.02	14	5.8	2.5	88	78	71	64	55	44	20						
KU4 0318	32	1.1 / 1.5	18	7.9	2.9	113	100	91	82	71	57	26						
KU4 0321	32	1.1 / 1.5	21	7.9	2.9	132	117	107	96	83	66	30						
KU4 0328	32	1.5 / 2	28	11	4.9	176	156	142	128	110	88	40						
KU4 0334	32	2.2 / 3	34	15	6	214	189	172	155	134	107	49						
KU4 0340	32	2.2 / 3	40	15	6	251	223	203	183	157	126	57						

Performance chart of 100 mm (4") oil filled submersible pump ku4 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		HEAD IN METERS												
				FULL LOAD CURRENT		GPM		LPM		LPS		M <sup>3</sup> /Hr						
				1 Ø	3 Ø	1.3	2.6	4.0	5.3	6.6	7.9	9.2	10	50	0.58	2.1		
				1 Ø	3 Ø	0.08	0.17	0.25	0.33	0.42	0.50	0.58	0.3	0.6	0.9	1.2	1.5	1.8
KU4 0214	32	0.37 / 0.5	14	3.5	1.4	6.9	64	57	50	41	31	20						
KU4 0221	32	0.55 / 0.75	21	4.5	1.9	104	96	86	75	62	47	30						
KU4 0228	32	0.75 / 1.02	28	5.8	2.5	138	128	114	100	82	62	40						
KU4 0234	32	1.1 / 1.5	34	7.9	2.9	168	155	138	121	100	75	49						
KU4 0240	32	1.1 / 1.5	40	7.9	2.9	197	183	163	143	117	89	57						

Performance chart of 100 mm (4") oil filled submersible pump ku4 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		HEAD IN METERS												
				FULL LOAD CURRENT		GPM		LPM		LPS		M <sup>3</sup> /Hr						
				1 Ø	3 Ø	5.3	10.6	13.2	15.8	18.5	21.1	26.4	20	100	1.67	6.0		
				1 Ø	3 Ø	0.33	0.67	0.83	1.00	1.17	1.33	1.67	1.2	2.4	3.0	3.6	4.2	4.8
KU4 0704	32	0.37 / 0.5	4	3.5	1.4	26	25	23	21	18	14	5						
KU4 0706	32	0.55 / 0.75	6	4.5	1.9	39	37	35	31	26	21	8						
KU4 0707	32	0.55 / 0.75	7	4.5	1.9	46	43	40	36	31	25	9						
KU4 0708	32	0.75 / 1.02	8	6	4	52	49	46	41	35	28	10						
KU4 0709	32	0.75 / 1.02	9	6	4	59	55	52	46	39	32	11						
KU4 0711	32	1.1 / 1.5	11	9	4.2	72	67	63	56	48	39	14						
KU4 0713	32	1.1 / 1.5	13	7.9	4.2	85	80	75	67	57	46	16						
KU4 0715	32	1.5 / 2	15	11	4.5	98	92	86	77	66	53	19						
KU4 0718	32	1.5 / 2	18	11	4.5	117	110	104	92	79	63	23						
KU4 0722	32	1.9 / 2.5	22	13.8	NA	143	135	127	113	96	77	28						
KU4 0727	32	2.2 / 3	27	15	6	176	165	155	138	118	95	34						
KU4 0736	32	3 / 4	36	NA	8.5	234	221	207	185	158	126	45						

Performance chart of 100 mm (4") oil filled submersible pump ku4 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		HEAD IN METERS												
				FULL LOAD CURRENT		GPM		LPM		LPS		M <sup>3</sup> /Hr						
				1 Ø	3 Ø	5.3	10.6	15.8	18.5	21.1	26.4	31.7	20	100	2.00	7.2		
				1 Ø	3 Ø	0.33	0.67	1.00	1.17	1.33	1.67	2.00	1.2	2.4	3.6	4.2	4.8	6.0
KU4 0807	32	0.75 / 1.02	7	5.8	2.5	42	40	36	34	32	27	20						
KU4 0810	32	1.1 / 1.5	10	7.9	2.9	60	56	51	49	46	39	29						
KU4 0814	32	1.5 / 2	14	11	4.5	84	79	72	68	64	54	40						
KU4 0821	32	2.2 / 3	21	15	6	126	119	108	102	96	81	60						
KU4 0828	32	3 / 4	28	NA	8.5	168	158	144	136	128	108	80						
KU4 0838	32	4.1 / 5.5	38	NA	10.5	228	214	195	185	174	147	109						

Performance chart of 100 mm (4") oil filled submersible pump ku4 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		HEAD IN METERS												
				FULL LOAD CURRENT		GPM		LPM		LPS		M <sup>3</sup> /Hr						
				1 Ø	3 Ø	6.6	13.2	19.8	26.4	33.0	39.6	46.2	25	125	150	175		
				1 Ø	3 Ø	0.42	0.83	1.25	1.67	2.08	2.50	2.92	1.5	3.0	4.5	6.0	7.5	9.0
KU4 1504	50	0.55 / 0.75	4	4.5	1.9	25	24	22	20	16	12	8						
KU4 1505	50	0.75 / 1.02	5	5.8	2.5	31	30	28	24	20	15	10						
KU4 1507	50	1.1 / 1.5	7	7.9	2.9	44	42	39	34	28	21	14						
KU4 1509	50	1.5 / 2	9	11	4.5	56	54	50	44	36	27	18						
KU4 1512	50	2.2 / 3	12	15	6	75	72	66	59	48	36	24						
KU4 1514	50	2.2 / 3	14	15	6	88	84	77	68	56	42	28						
KU4 1519	50	3 / 4	19	NA	8.5	119	114	105	93	76	57	38						
KU4 1524	50	4.1 / 5.5	24	NA	10.5	150	144	132	117	96	72	48						
KU4 1526	50	4.1 / 5.5	26	NA	10.5	163	156	143	127	104	78	52						

Performance chart of 100 mm (4") oil filled submersible pump ku4 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		HEAD IN METERS												
				FULL LOAD CURRENT		GPM		LPM		LPS		M <sup>3</sup> /Hr						
				1 Ø	3 Ø	13.2	26.4	39.6	52.8	66.0	79.2	92.4	50	200	250	300	350	
				1 Ø	3 Ø	0.83	1.67	2.50	3.33	4.17	5.00	5.83	3.0	6.0	9.0	12.0	15.0	18.0
KU4 2504	50	1.1 / 1.5	4	7.9	2.9	23	21	18	15	12	8	5						
KU4 2506	50	1.5 / 2	6	11	4.5	35	31	27	23	17	12	8						
KU4 2507	50	1.87 / 2.5	7	13.8	5	40	36	32	26	20	14	9						
KU4 2509	50	2.2 / 3	9	15	6	52	46	41	34	26	18	11						
KU4 2512	50	3 / 4	12	NA	8.8	69	62	54	45	35	24	15						
KU4 2516	50	4.1 / 5.5	16	NA	10.5	92	82	72	60	46	32	20						