



Enriching Lives



**KU3**  
80 MM  
SUBMERSIBLE PUMP



**KIRLOSKAR BROTHERS LIMITED**  
A Kirloskar Group Company

# KU3

## 80 MM

### Submersible Pump

Kirloskar KU3 represents a highly efficient and reliable range of 80 mm (3") oil cooled submersible pumps suitable for a wide variety of applications, such as raw water supply, pressure boosting, irrigation, and fire fighting – in addition to numerous domestic and industrial use.

Built mainly with high quality stainless steel and fitted with anti-friction bearings, Noryl impeller, Class 'F' insulation and overload protector, the KU3 submersibles offer unique benefits such as efficient operation, resistance to corrosion, less wear and tear, and easy maintenance.

KU3 pumps employ innovations in design, which ensures high efficiency and low energy use – translating to low cost of ownership throughout the lifetime of the pump.

#### PRODUCT SNAPSHOT

##### Range and Technical Specification

Head	: 4 to 86 metres
Capacity	: 100 to 10 litres per minute
Power Rating	: 0.37 to 1.10 kW / 0.5 to 1.5 HP
Voltage Range	: 160 to 240 Volts (Single Phase)
Motor	: Oil filled

##### Construction Material

Pump Housing & Shaft	: Stainless Steel AISI 410
Motor Housing & Shaft	: Stainless Steel AISI 410
Sleeves	: Stainless Steel AISI 410
Impeller	: Noryl
Bowl	: Noryl



#### Efficient motor designed for high reliability

Featuring stainless steel construction and efficient design, the KU3 motor adds to the performance and longevity of the pump. Fitted with anti-friction bearings for axial / radial loads, potable and hygienic grade oil and double ball bearings, the motor ensures trouble-free pump operation. All electrical parts are shielded with Class "F" insulation that provide high thermal resistance. The motor is also designed to perform optimally within a wide input voltage range of 160 to 240 volts to offset voltage fluctuations. The stator is easily rewound adding to ease of maintenance.



#### Low Energy Use – High Cost Savings

The total cost of owning and operating a pump over its entire lifespan covers much more than just the initial cost – it covers the total sum of the Life Cycle Costs of the pumping system. Innovations employed in Kirloskar KU3 series submersible pumps offer unique advantages of low power consumption and optimum efficiency, which translates into low operational costs and significant savings for customers.



#### Robust construction for high durability

The pump is mainly constructed with Stainless Steel to provide greater resistance to corrosion while submerged in water. All rotating parts are dynamically balanced to reduce noise and vibration. The pump is also shielded with overload protection to minimize damage due to electrical anomalies.



#### Compact design enhances portability and ease of use

The KU3 pumps feature light weight and compact design allowing customers to carry the pump easily, and use it virtually anywhere. Pump installation, either vertically or horizontally, does not require elaborate housing or foundation, adding to operational convenience.

#### APPLICATIONS

- Domestic or industrial water supply
- Fire-fighting systems in buildings and factories
- Sprinkler and drip irrigation systems
- Water for farmhouses, nurseries and gardening



#### PERFORMANCE CHART

PUMP MODEL	DEL. SIZE (mm)	POWER RATING (kW/HP)	STG	RATED CURRENT 1Ø	HEAD IN METRES	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
						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	13	7	4	
KU3-0612 PUMP	32	0.75/1.0	12	7.8	34	31	26	20	18	18	10	5	
KU3-0615 PUMP	32	0.55/0.75	15	6	41	39	31	26	22	22	12	7	
KU3-0615 PUMP	32	0.75/1.0	15	7.8	41	39	31	26	22	22	12	7	
KU3-0620 PUMP	32	0.75/1.0	20	7.8	55	52	41	34	27	27	13	6	
KU3-0626 PUMP	32	0.93/1.25	26	9.75	66	59	48	44	34	34	13	1	
KU3-0632 PUMP	32	1.1/1.5	36	11.7	86	75	60	54	44	44	22	7	

**Note:** Performance chart of 80 mm (3") oil filled submersible pumps at 50Hz frequency and 220V voltage for 1 phase.

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