



Enriching Lives



JALRAAJ
0.5 - 1 HP,
HIGH PRESSURE
DOMESTIC PUMP



KIRLOSKAR BROTHERS LIMITED
A Kirloskar Group Company

JALRAAJ

0.5 - 1 HP,

High Pressure Domestic Pump

Kirloskar Jalraaj has been designed to complement various domestic applications – adding to your convenience indoors and outdoors. From filling your overhead water tanks to watering your gardens, Jalraaj can assist you easily. Because of its light weight, ease of installation and self-priming capabilities, you can use the pump virtually anywhere in your home, without the need of investing in additional pumps for multiple applications.

Available at a very economical price, Jalraaj features the very best in pump engineering. From robust construction to class-leading electrical components, Jalraaj reflects the quality and durability that consumers expect from Kirloskar Brothers Ltd. – one of India's leading manufacturers of pumps.

PRODUCT SNAPSHOT

Range and Technical Specification

| | |
|---------------|--------------------------------------------|
| Head | : 6 to 42 metres |
| Capacity | : 3300 to 504 LPH |
| Power Rating | : 0.37 kW / 0.5 HP to 0.75 kW / 1.02 HP |
| Voltage Range | : 180 to 240 Volts (single phase) |

Construction Material

| | |
|-----------------|---------------------|
| Impeller | : Brass |
| Pump Shaft | : Carbon Steel |
| Delivery Casing | : Cast Iron |
| Mounting Casing | : Cast Iron |
| Motor Body | : Extruded Aluminum |
| Cover NDE | : Aluminum |
| Mechanical Seal | : Carbon Ceramic |



Self-priming up to 7.5 metres

The pump is capable of self priming up to 7.5 metres (sucks water automatically) without a foot valve, at rated head and discharge, doing away with the inconvenience of filling water to start the pump.



Totally Enclosed Fan-cooled (TEFC) motor

The pump includes a cooling fan enclosed within the motor to protect it from over-heating and damaging electrical parts.



Class "B" insulation

All electrical parts are shielded with Class "B" insulation, thereby protecting electrical components and its insulation from damage due to extreme temperatures with the use of super enameled copper winding wire in the motor.



Works with wide input voltage (180 – 240V)

The pump has the capacity to work with wide input voltage range, thereby enhancing performance while reducing damage to electrical parts.



Thermal Overload Protector

The pump motor features a Thermal Overload Protector that prevents overloading and shields the motor and associated circuit from the effects of faulty current.



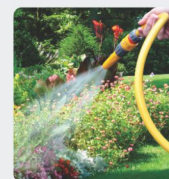
Light weight for easy portability

Jalraaj is constructed with special alloys to keep it light weight for easy handling. It's compact size and weight enables you to use the pump easily, anywhere, for various applications.

APPLICATIONS



Water supply for domestic use in Bungalows, Apartments, Hotels, Farmhouses etc.



Useful in home water booster systems, lawn sprinklers, overhead tanks and water for gardens.

PERFORMANCE CHART

| PUMP MODEL | POWER RATING | | PIPE SIZE | | FULL LOAD CURRENT | RATED VOLTAGE | TOTAL HEAD IN METERS | | | | | | | | | |
|---------------|--------------|------|-----------|------|----------------------|------------------|------------------------------|------|------|------|------|------|------|------|-----|-----|
| | kW | HP | SUC. | DEL. | | | 6 | 10 | 14 | 18 | 22 | 26 | 30 | 34 | 38 | 42 |
| | | | | | | | DISCHARGE IN LITRES PER HOUR | | | | | | | | | |
| JALRAAJ | 0.37 | 0.5 | 25 | 25 | 2.0 | 220 | 2120 | 1820 | 1550 | 1260 | 950 | 660 | 360 | | | |
| JALRAAJ-1 | 0.75 | 1.02 | 25 | 25 | 4.0 | 220 | 3280 | 2970 | 2650 | 2300 | 1980 | 1660 | 1300 | 970 | 612 | 250 |
| JALRAAJ-2 | 0.75 | 1.02 | 25 | 25 | 4.5 | 230 | 3300 | 2700 | 2380 | 2120 | 1870 | 1620 | 1400 | 1116 | 854 | 504 |

Note : Performance applicable in cases of liquid with specific gravity 1 and viscosity as of water.

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