

K4V

4" Submersible, Enclosed Impeller

2 VANE ENCLOSED IMPELLER

- Efficient operation, non-clogging
- Most energy efficient design
- Pump-out vanes, prevents material build-up
- Pressure balance on shaft seal for long life
- Positive pumping action through impeller

STRONG PERFORMANCE

- Ideal for higher flows, lower heads
- Operate to shut-off head without damage
- Non-overloading performance curve

LONG SERVICE LIFE

- Dual silicon carbide shaft seals
- Low motor operation temperatures
- Continuously lubricated bearings
- Premium ball bearing construction
- Epoxy potted cord entry

LOW MAINTENANCE

- Easily replaceable impeller wear ring restores original pump performance
- Unobstructed impeller passageway
- Grit-resistant silicon carbide shaft seals
- Large, 3" diameter solids handling
- High service factor motor handles tough electrical operating conditions



CAPABILITIES:

- Flows -----to 500 GPM
- Heads -----to 65 Feet
- HP Range -----1, 1.5, 2, 3, 5, 7.5 HP
- Voltage Options -----200 / 230 / 460 volt, 1 or 3 phase
- Discharge Connections -----4" ANSI 150 lb Horizontal Flange
- Motor Speeds -----1150 / 1750 rpm
- Solids Handling -----3"
- Impeller -----2 Vane, Enclosed, Balanced
- Motor Service Factor -----1.15

Features and Benefits

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1. Triple Sealed Cable Entrance

Stainless steel strain relief cord grip with compression grommet protects outer cord jacket. Epoxy filled inner cord cap with individually soldered wires provide anti-wicking moisture protection to the motor even if power cable is cut or damaged. 40' U/L power & control cords.

2. Modular Pump Design

Commonality of parts across the Keen product line minimizes the amount of parts required for servicing. Heavy duty ASTM A48, Class 30 cast iron components.

3. Strong Motor

Powerful high torque motor for reliable pump operation.

208 / 230 volt, 1-phase

208 / 230 / 460 volt, 3-phase

Pressed stator securely holds motor and efficiently transfers heat. Class F insulation with overload protection in air filled chamber for cool operation and long motor life.

4. Solid Bearing Support

Motor / Pump shaft securely held with upper and lower ball bearings rated for long 50,000 hour B-10 life.

5. Severe Duty Dual Mechanical Seals

Dual silicon carbide mechanical shaft seals provide twice the moisture and grit protection for the motor. Dual seals are housed in a secondary oil filled seal chamber. Tougher silicon carbide seals better handles sand, grit and abrasive materials.

6. Moisture Detection

Seal leak probe signals alarm in control panel for scheduled maintenance.

7. High Efficiency Hydraulic Design

Highly efficient enclosed 2 vane impeller easily passes 3" diameter solids without blockage. The strong ductile iron impeller features backside pump out vanes, keeping the lower mechanical seal clean and pressure compensated for longer life. Dynamically balanced for smooth quiet operation and long bearing life.

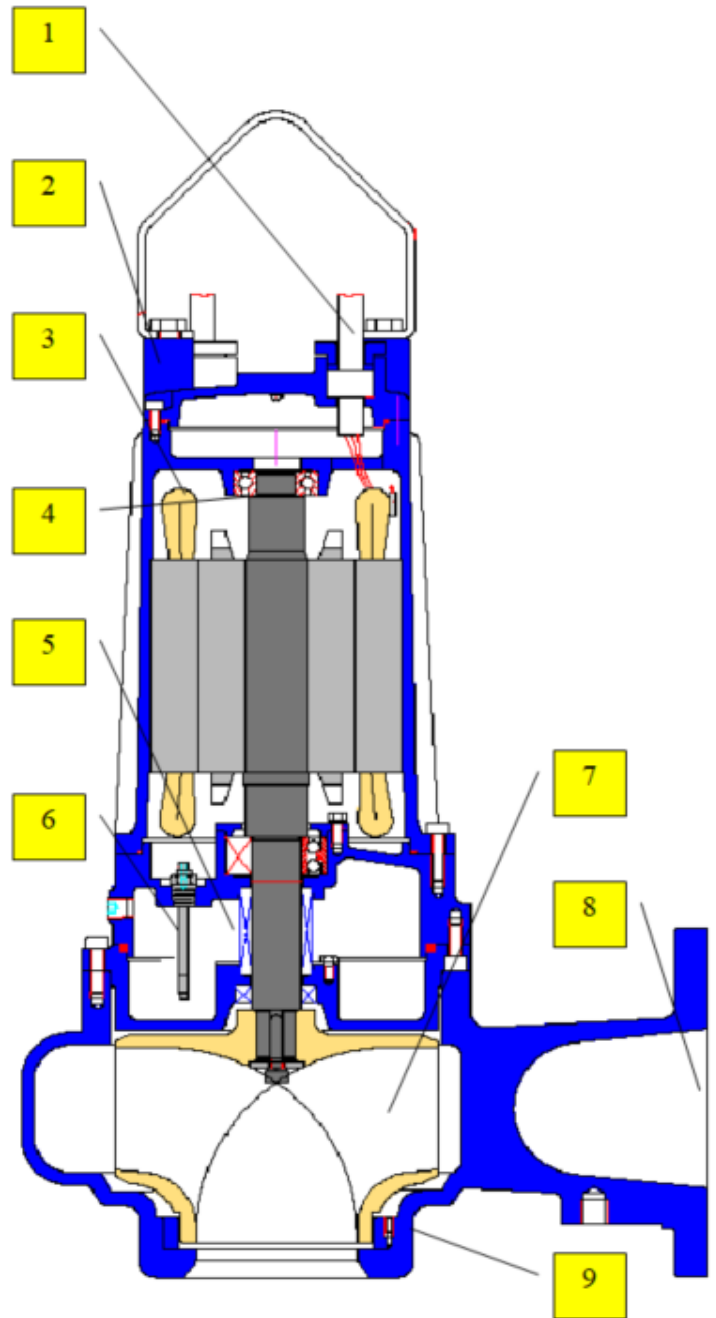
8. 4" Discharge Flange

4" horizontal, 125# ANSI discharge flange.

Industry standard, 8-bolt pattern.

9. High Performance Wear Ring

Assists impeller in providing higher performance efficiencies and prevention of recirculation losses. Bronze ring will not corrode or deteriorate from liquid being pumped. Bronze ring reduces wear to stronger ductile iron impeller in sandy or gritty applications. Easily serviceable and replaceable.



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