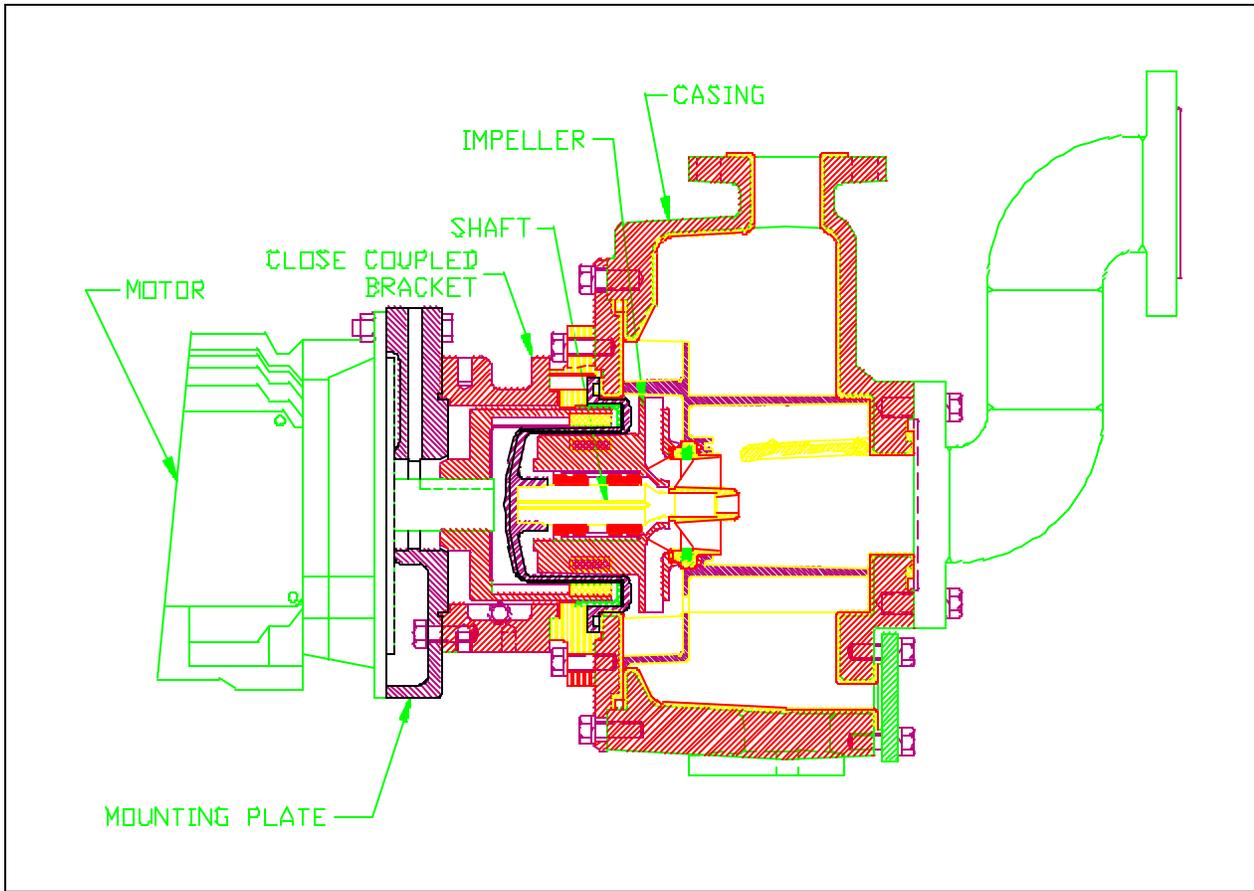


# ANSIMAG KP-SERIES PUMP SPECIFICATIONS

## Model KP326 Self Priming Pump



### PUMP

- Synchronous drive, magnetically coupled for zero leakage applications.
- Non-metallic wetted parts.
- Back pull out design.
- Maximum temperature: 250°F (121°C)
- Minimum temperature: -20°F (-30°C)
- Maximum Discharge pressure: 285 psi (19.65 Bar)
- Slurry: 5% wt. 0.005 inch (150 microns) max.
- Maximum diameter solids: 1/32 inch (0.8 mm) max.
- Maximum viscosity: \*

|       |          |                   |
|-------|----------|-------------------|
| KP326 | 1200 SSU | (260 centistokes) |
|-------|----------|-------------------|
- Minimum flow: \*\*

|       |                   |                                      |
|-------|-------------------|--------------------------------------|
| KP326 | 5 gpm at 3600 rpm | (1.13 m <sup>3</sup> /h at 2900 rpm) |
|-------|-------------------|--------------------------------------|
- Maximum suction lift on 1.0 S.G.: 20 feet @ 3500 rpm
- Max vapor pressure: consult factory for liquids with vapor pressure curve that passes above 8 psia (0.54 Bar) @ 90°F (32°C)
- Maximum power, 30 hp (22kW) at 3500 rpm

\* Note: Pump performance (flow, head and efficiency) will be greatly affected by the viscosity of liquid pumped. Maximum viscosity given above is an approximate number. Please refer to the Hydraulic Institute's "Viscosity Correction" chart. A pump should not be used or should be used with caution if efficiency with viscous liquid is less than 50% of efficiency with water.

\*\* Note: Minimum flow data based on water. Consult factory for other liquids.

## **CASING**

- Self venting and top centerline discharge.
- One piece solid ductile iron casing, lined with rotomolded ETFE fluoropolymer 0.125" min.
- Foot support for maximum resistance to distortion from pipe loads.
- Pure sintered silicon carbide thrust ring integral with front center support.
- ANSI/ASME B16.5 Class 150 flanges or ISO 2084-1974 Class NP 16 flanges standard.
- Casing drain connection standard.

## **IMPELLER**

- Closed type, one piece construction
- Manufactured with carbon fiber filled ETFE fluoropolymer.
- Magnets fully encapsulated by ETFE fluoropolymer.
- Replaceable, press fit main bushing, either carbon/graphite or sintered silicon carbide.
- Replaceable, mouth ring, either carbon fiber filled PTFE or sintered silicon carbide.

## **SHAFT**

- Non-rotating, 1.25" (32 mm) diameter.
- One piece, solid construction, sintered silicon carbide (SiC).
- Fully supported at both ends utilizing front shaft support and rear casing.
- Axial groove for improved lubrication and particulate bypass.

## **REAR CASING**

- Injection molded carbon fiber filled ETFE fluoropolymer backed by non-metallic reinforcement.
- Integral sintered silicon carbide back thrust ring.
- No energy losses due to eddy currents from magnetic coupling.
- Fully confined casing O-ring.
- Burst pressure 1800 psi (124 bar)

## **MAGNETIC COUPLING**

- Neodymium Iron Boron for maximum strength.
- Designed for zero slippage and zero losses.
- Utilizes standard NEMA motors.
- Eliminates soft start devices.

## **CLOSE COUPLED BRACKET**

- Provides metal-to-metal fit to casing and motor.
- No alignment between IEC B5 flange face motor and pump.
- Eliminates the flexible coupling and bearing frame.
- Sealed enclosure provides secondary containment (optional).
- Drilled and tapped for leak monitoring sensor (3/8 NPT).

## **BEARING FRAME**

- Group 1 ASME/ANSI B73.1-1991 dimensional.
- L<sub>10</sub> life of 30,000 hours.
- Large oil reservoir for cool operation and long oil life.
- Sight window for direct oil level indication.
- Sealed enclosure provides secondary containment (optional).
- Drilled and tapped for leak monitoring sensor (3/8 NPT).