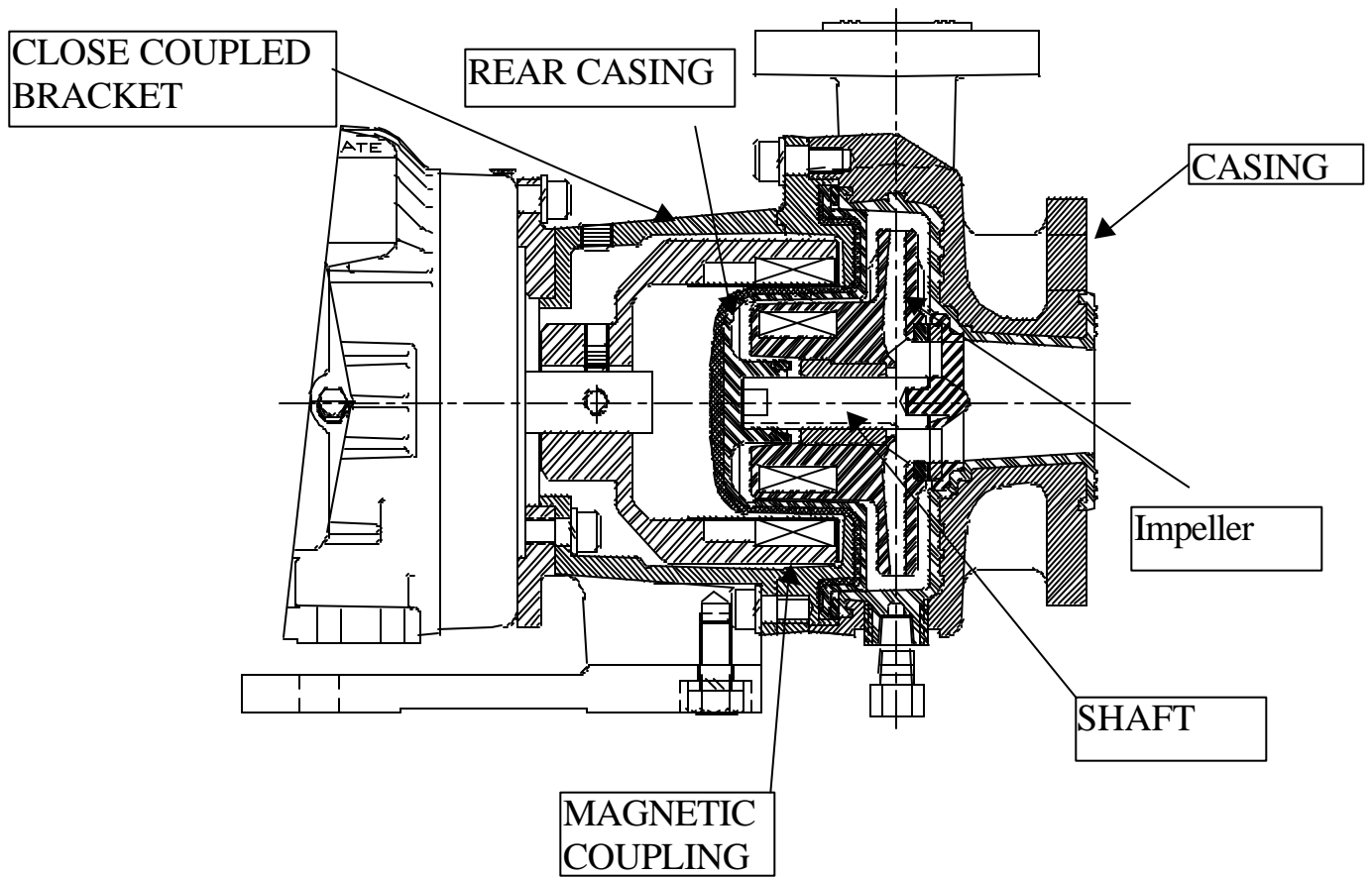


ANSIMAG KM SERIES PUMP SPECIFICATIONS

KM1515 & KM2156



PUMP

- Horizontal End-Suction, Tangential discharge, Mag-drive Centrifugal 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: -120°F (-30°C)
- Maximum Discharge pressure: 225 psi (19.6 Bar)
- Slurry: 5% wt. 0.005 inch (150 micron) max.
- Maximum diameter solids: 1/32 inch (0.8 mm) max.
- Max. vapor pressure: consult factory for liquids with vapor pressure curve that passes above 8 psia (0.54 Bar) @ 90°F (32°C).
- Maximum viscosity: *

KM1515/KM2156	700 SSU	(150 centistokes)
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- Minimum flow: **

KM1515	1 gpm at 3600 rpm	(.23 m ³ /h at 2900 rpm)
	1/2 gpm at 1750 rpm	(.11 m ³ /h at 1450 rpm)
KM2156	3 gpm at 3600 rpm	(.68 m ³ /h at 2900 rpm)
	1.5 gpm at 1750 rpm	(.34 m ³ /h at 1450 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

- Tangential discharge.
- One piece solid ductile iron casing, lined with .125" ETFE fluoropolymer (standard) or PFA fluoropolymer (optional),
- Pure sintered silicon carbide thrust ring integral with front center support.
- Casing drain connection standard (¼" NPT), without drain optional .

KM1515	Sub ANSI 1-½" x 1"-5.00", ISO & JIS 40mm x 25mm-127mm
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KM2156	Sub ANSI 2" x 1 ½"-6.00", ISO & JIS 50mm x 40mm-152mm
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IMPELLER

- Closed type, one piece construction.
- Manufactured with carbon fiber filled ETFE fluoropolymer (standard) or GFR-PFA fluoropolymer (optional).
- Magnets fully encapsulated.
- 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

- Replaceable non-rotating, 0.75" 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. U.S. Patent 5,641,275.

REAR CASING

- Injection molded carbon fiber filled ETFE fluoropolymer backed by non-metallic reinforcement.
- Integral carbon fiber filled PTFE back thrust ring.
- No energy losses due to eddy currents from magnetic coupling.
- 900 psi (55 Bar) burst pressure.
- Optional glass fiber reinforce PFA.

MAGNETIC COUPLING

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

CLOSE COUPLED BRACKET

- Provides metal-to-metal fit to casing.
- Eliminates the flexible coupling and bearing frame.
- Drilled and tapped for leak monitoring sensor (3/8" NPT).

Telephone: (630) 924-6200

KM Specification 6/23/99

Fax: (630) 893-8908