

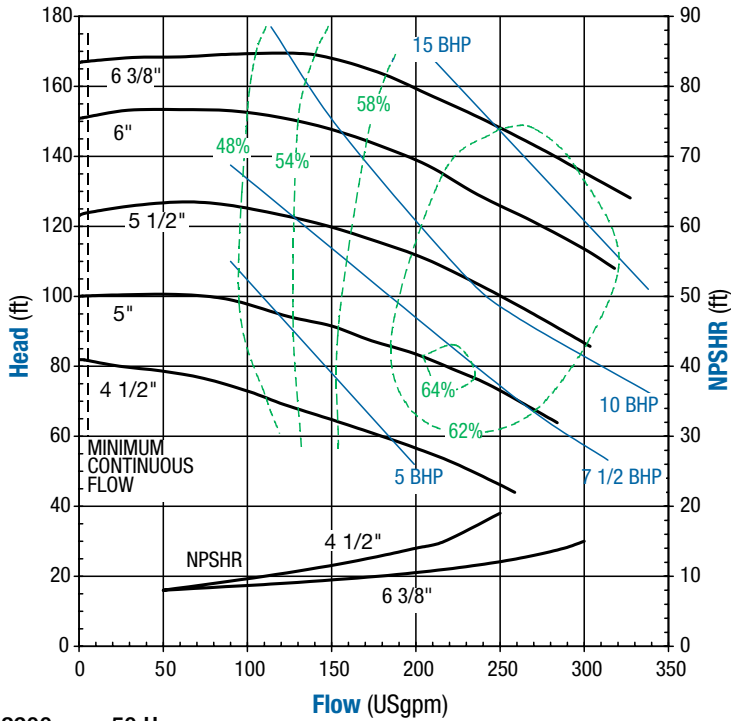
ULTRACHem[®] Series

ANSI DIMENSIONAL MAGNETIC DRIVE PUMPS

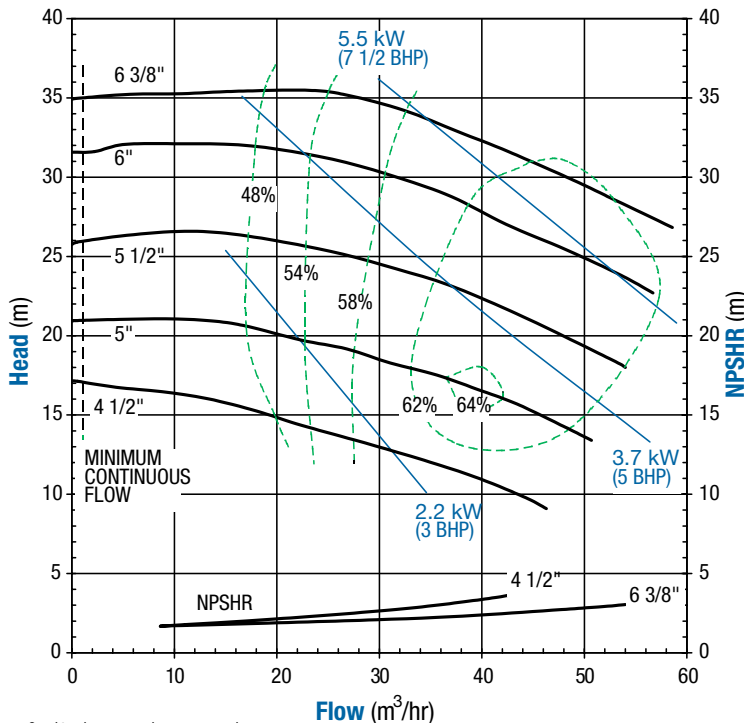
UC SERIES: MODEL UC326

PERFORMANCE

3450 rpm, 60 Hz



2900 rpm, 50 Hz



*Tefzel[®] Fluoropolymer Resin is a registered trademark of DuPont



* Patent No. 5,779,456

FEATURES

- Durable, corrosion-resistant Tefzel[®] lined ductile iron casing
- Casing meets ANSI B73.1m for foot and flange location
- Powerful neodymium magnets drive the impeller for dependable, leak-free operation with no environmental emissions
- Modified concentric volute reduces radial thrust load
- Rear sealing ring and balance holes balance axial thrust
- Dual bushings provide optimum alignment
- Carbon-filled ETFE shaft support with integral straightening vanes helps prevent pre-rotation in the suction and enhances low flow operation
- Easy-set measurement free outer drive
- Back pull-out design
- Casing drain connection standard
- Run dry capability with carbon bushing and SiC dri-coat
- Specific gravity over 1.8
- Accepts standard NEMA 143, 184, 215, 256 or IEC 80, 90, 110/112, 132, 160 motor frames
- ANSI or ISO flange mountable
- ATEX certified models available

TYPICAL APPLICATIONS

- Chemical manufacturing, blending, distribution
- Water treatment
- Plating and metal finishing
- Paper mills
- Fume scrubbers
- Metals manufacturing
- Electronics
- Pharmaceuticals
- Biodiesel

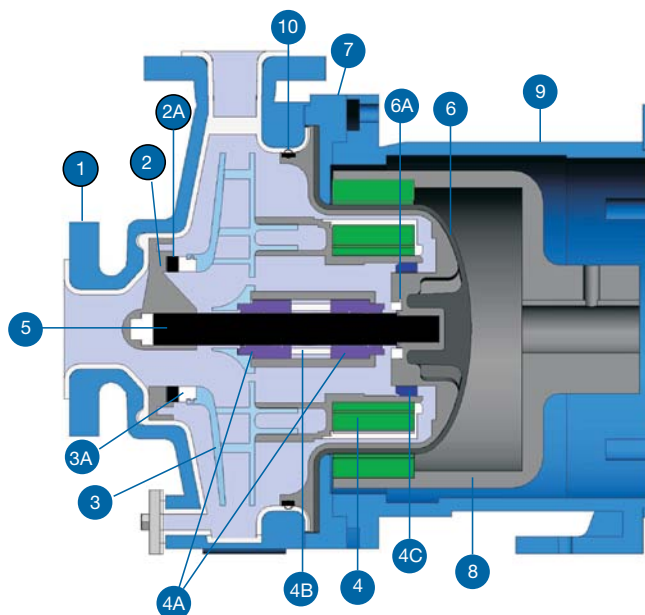
TYPICAL CHEMICALS

- Sodium hydroxide
- Sulfuric acid
- Hydrochloric acid
- Sodium hypochlorite
- Plating solutions
- Corrosive blends
- Solvents
- Wastewater



FINISH THOMPSON INC.

| Item No. | Description | Construction |
|----------|------------------------|--|
| 1 | Casing | Cast ductile iron, DuPont Tefzel® (ETFE) lined |
| 2 | Shaft support | Carbon fiber filled ETFE |
| 2A | Front thrust ring | Alpha sintered silicon carbide |
| 3 | Impeller | Carbon fiber filled ETFE |
| 3A | Impeller thrust washer | Fluorosint®, alpha sintered silicon carbide optional |
| 4 | Inner drive | Neodymium iron boron magnets encapsulated in pure ETFE |
| 4A | Bushing options | Alpha sintered silicon carbide, carbon |
| 4B | Bushing spacer | PTFE |
| 4C | Rear sealing ring | Molybdenum disulfide-filled PTFE |
| 5 | Shaft | Alpha sintered silicon carbide |
| 6 | Barrier | Molded carbon fiber filled ETFE liner with woven glass reinforced vinyl ester external shell |
| 6A | Barrier thrust ring | High purity alumina ceramic |
| 7 | Clamp ring | Steel |
| 8 | Outer drive magnet | Nickel-plated neodymium iron boron magnets/steel |
| 9 | Motor adapter | Ductile iron |
| 10 | O-ring options | FKM, EPDM, Kalrez®, Simriz® |



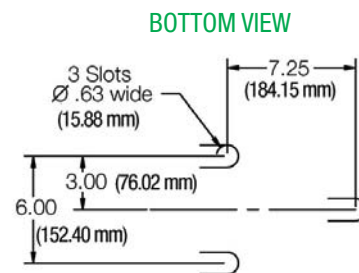
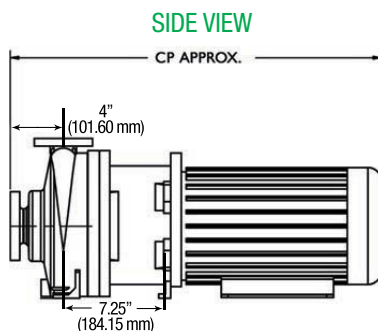
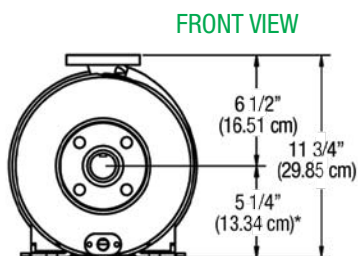
Kalrez® is a registered trademark of DuPont Performance Elastomers
 Simriz® Perfluoroelastomer is a registered trademark of Simrit® division of Freudenberg-NOK.

SPECIFICATIONS

| HP (kW) | Impeller Diameter | | Suction in (cm) | Discharge in (cm) | Max. Flow 3500 rpm | | Max. Head 3500 rpm | | Max. Working Pressure psi (Bar) | Max. Viscosity cP | Max. Sp. Gravity | Max. Temp. °F (°C) |
|------------------------|------------------------------|-------------------------------|-----------------|-------------------|--------------------|-------|--------------------|------|---------------------------------|-------------------|------------------|--------------------|
| | in | cm | | | gpm | m³/hr | ft. | m | | | | |
| 3 - 20 (1.1 - 15.0) | 4 1/2, 5, 5 1/2, 6, 6 3/8 | 11.4, 12.7, 14, 15.2, 16.2 | 3 (7.62) | 2 (5.01) | 327.3 | 58.6 | 166.7 | 34.9 | 175 (12) | 200 | 1.8 | 250 (121) |

Note: Impeller trims available every 1/8" (.32 cm) between the smallest and largest diameters.

DIMENSIONS



*Contact the factory for 132/160 dimension. All other frame sizes are as shown above. Dimensions are shown for reference only.

| Motor Frames | CP | | | |
|--------------|--------------|--------------|--------------|--------------|
| | A-Drive (in) | B-Drive (in) | A-Drive (cm) | B-Drive (cm) |
| NEMA | | | | |
| 143-145TC | 23 3/4 | - | | |
| 182/184TC | 28 1/16 | 29 1/16 | | |
| 213/215TC | 30 1/2 | 32 1/4 | | |
| 254/256TC | - | 36 3/4 | | |
| IEC | | | | |
| 80 | | | 58.1 | - |
| 90 | | | 61.7 | - |
| 100/112 | | | 67.5 | - |
| 132 | | | 73.9 | 76.5 |
| 160 | | | - | 86.0 |

ACCESSORIES

