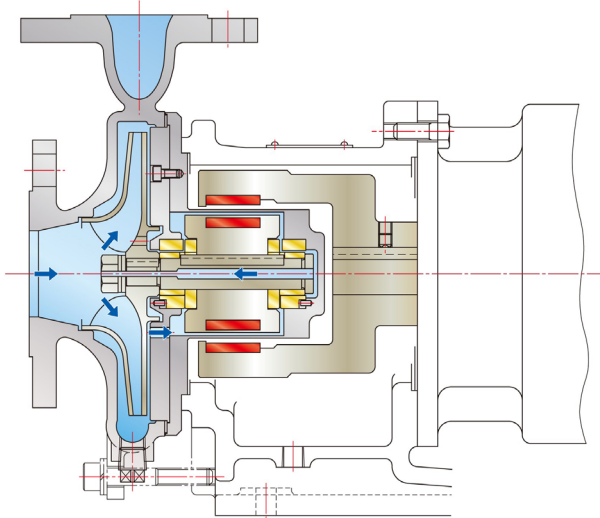


MP 421

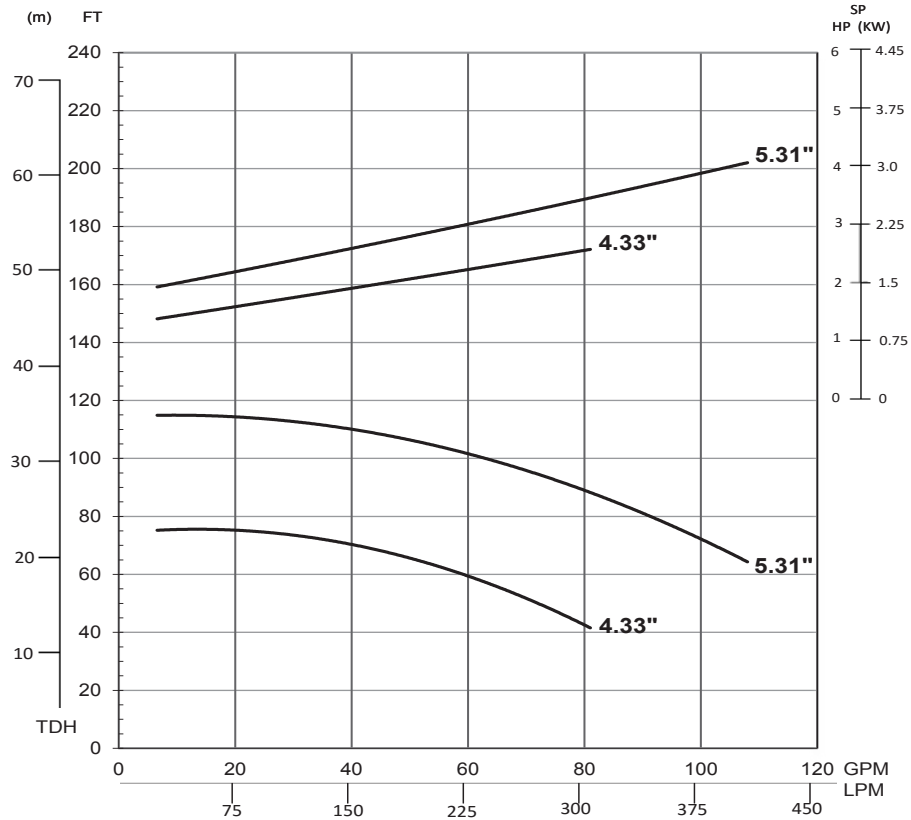
- Silicon Carbide “-D” Bearings allow for limited dry run operation
- Single gasket eliminates multiple leak paths found in competitive designs
- One-piece non-welded machined robust rear casing
- High strength rare earth magnets
- Straddle-mounted and double bearing design prevents shaft deflection and bearing wear
- NEMA Motor provides endless motor possibilities
- Temp range: -22°F to 302°F

*Consult factory for low temperature (as low as -112°F) and high temperature (up to 536°F) applications.



| Part Name | Material |
|--------------|-----------------|
| Front Casing | Stainless Steel |
| Rear Casing | Stainless Steel |
| Impeller | Stainless Steel |
| Shaft | Stainless Steel |
| Thrust Ring | SiC |
| Sleeve | SiC-D |
| Bearing | SiC |
| Gasket | PTFE |

| PUMP SIZE | MOTOR | | CAPACITY | | |
|-----------|------------|-------------|---------------------|------------------|---------------------|
| | FRAME SIZE | OUTPUT (HP) | Min. Flow GPM (LPM) | Max. Head Ft (m) | Max. Flow GPM (LPM) |
| MP421 | 56C | 1 | 6.6 (25) | 116 (35.3) | 106 (401.3) |
| | 143TC | 2 | | | |
| | 145TC | 3 | | | |
| | 182TC | 5 | | | |



| BORE | | | | DIMENSION inches(mm) | | | | | | | | | | | | | PUMP WEIGHT APPROX. (less motor) lb (kg) |
|------------|---------------|-----------|---------------|----------------------|------------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|-----------|-----------|--|
| SUCTION | | DISCHARGE | | A | B | H | I | LH | G | L1 | L2 | L3 | B2 | B3 | t | FD | |
| ds | S | dd | D | | | | | | | | | | | | | | |
| 1 1/2 (40) | ASME 150lb RF | 1 (25) | ASME 150lb RF | 2.95 (75) | 6.85 (174) | 6.69 (170) | 5.31 (135) | 12.0 (305) | 4.92 (125) | 9.84 (250) | 1.18 (30) | 7.48 (190) | 7.87 (200) | 6.30 (160) | 0.71 (18) | 0.47 (12) | 63.9 (29) |
| | | | | 7.34 (186.5) | 74.9 (34) | | | | | | | | | | | | |

