

## • TECH SPECS

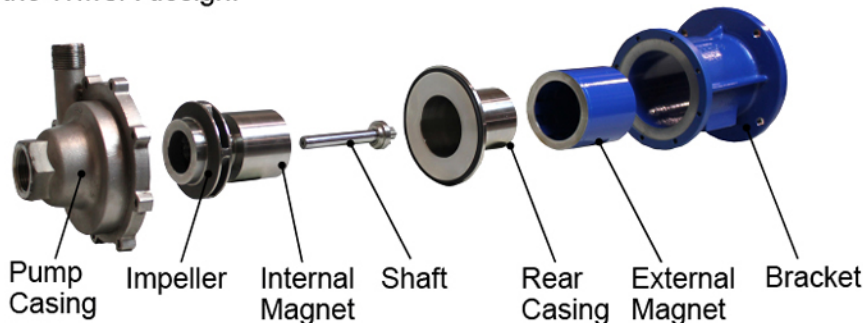
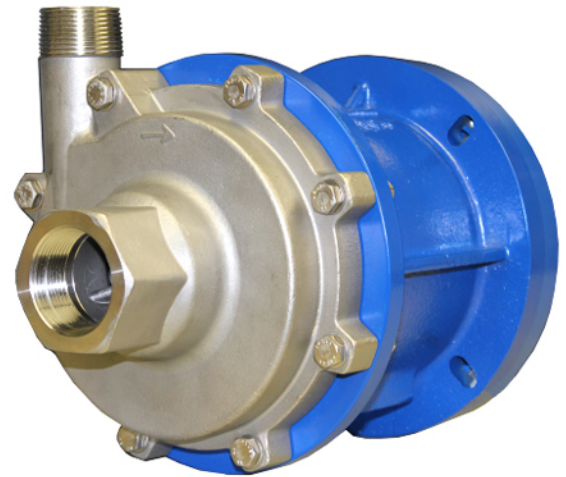
### Series M6SS Close-Coupled Centrifugal (low to medium flows)

### Compressor Circulation or Transfer: Versatile Seal-less Centrifugal

#### M6 SS Performance Range

- Flows from 2 to 150 gpm (.5 - 34 m<sup>3</sup>/h)
- Heads to 115 feet (35 m)
- System Pressures to 720 psig (50 bar)
- Temperatures from -148 to +450°F (-100 to +232°C)

Series M compact mag-drive centrifugal pumps meet low flow requirements with comparable features of the WMCA design.



### Table of Sizes and Specifications

| PUMP MODEL | Port Size (NPT or Flanged) | *MAX GPM | *MAX TDH | HP    | Frame          |
|------------|----------------------------|----------|----------|-------|----------------|
| M6 SS      | 1"x3/4"                    | 30       | 40       | 0.5   | 56C            |
| M10 SS     | 1-1/2" x 1"                | 65       | 52       | 1.5   | 56C or 143/5TC |
| M15 SS     | 1-1/2" x 1-1/4"            | 110      | 90       | 2-3   | 143/5TC        |
| M31 SS     | 2" x 1-1/2"                | 170      | 110      | 5-7.5 | 182/4TC        |

Standard M Wetted Materials: 316L-SS front casing, impeller and rear casing, PTFE-C or Carbon sleeve and thrust bearings, single confined o-ring.

Note: Maximum condition stated references open pumping capacity and maximum head at the limits of the curve.

\* depending on operating temperature



# SEAL-LESS CENTRIFUGAL PUMP SERIES

## M6SS

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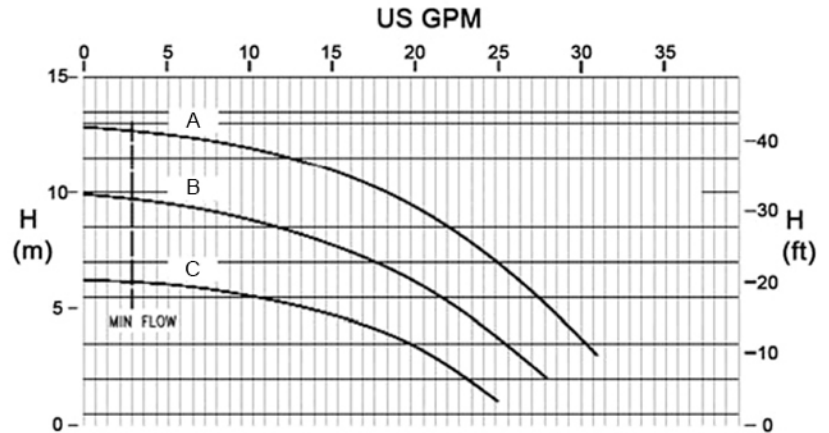
#### Performance Curves 3600 RPM (60Hz)

##### M6

Impeller (A) 3-1/8"

Impeller (B) 2-7/8"

Impeller (C) 2-5/8"



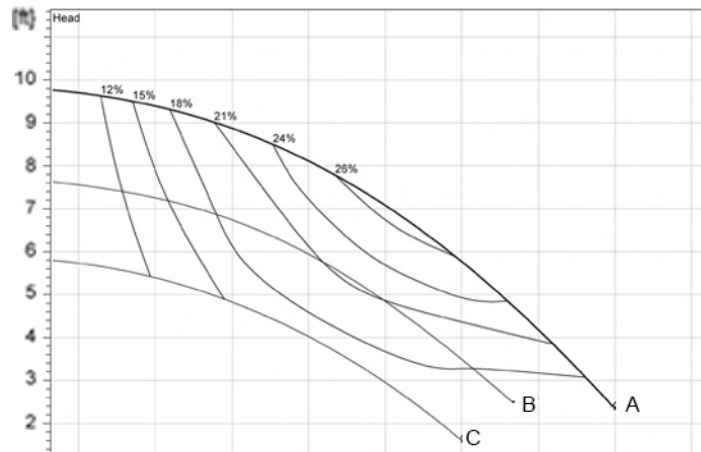
#### Performance Curves 1750 RPM (60Hz)

##### M6

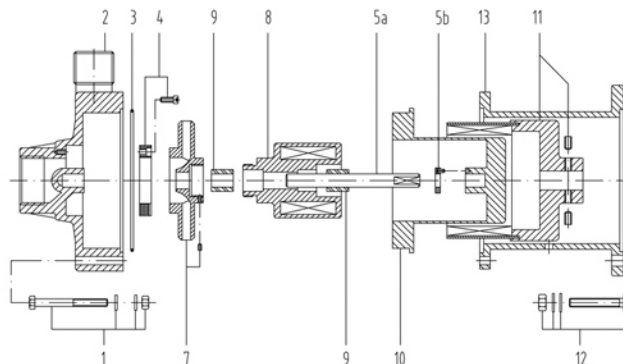
Impeller (A) 3,071"

Impeller (B) 2,717"

Impeller (C) 2,362"



#### Exploded View



Rear Wet End Parts # 3, 5, 6, 7, 8, 9, 10  
Wet End Parts # 2, 3, 4, 5, 6, 7, 8, 9, 10

## EXTENDED INFO

## • EXTENDED INFORMATION

### Materials of Construction

#### Alloy Components

- 316-SS Stainless Steel
- Hastelloy-C276

#### Internal Sleeve, Stationary & Thrust Bearings

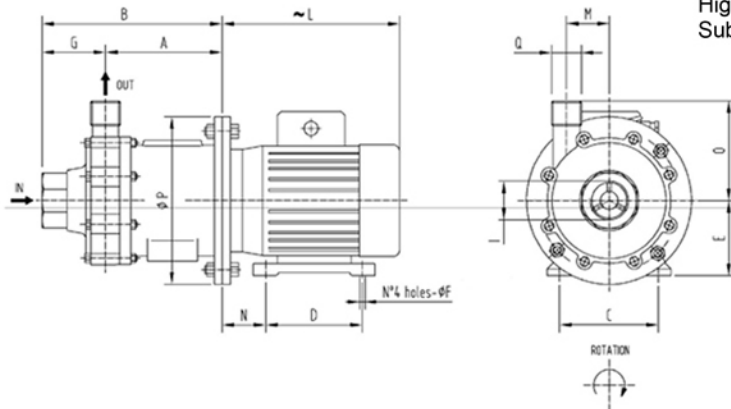
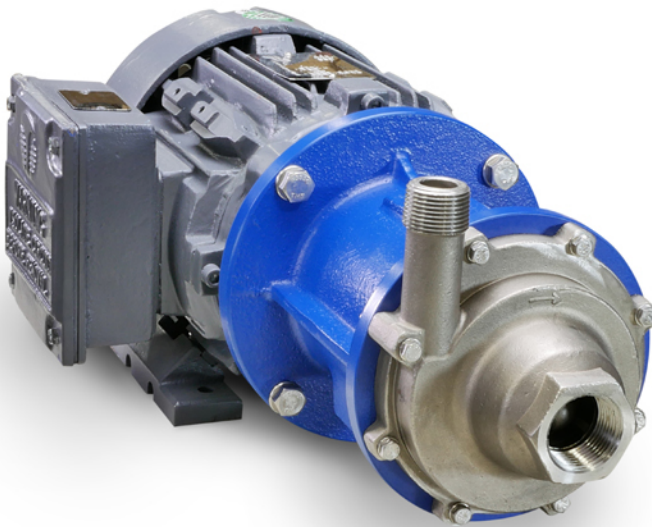
- Carbon, PTFE-C

#### Casing O-Ring

- All elastomers, FEP, Encapsulated Viton, Silicon or 316-SS

#### Performances

- 4 Models for Complete Hydraulic Coverage
- Flows: to 150 GPM
- Heads: to 135' TDH
- Horsepower range: 1/2 to 7.5 HP
- Pressure Rating: 300 PSIG (MAWP)\*
- Temperature Ratings:  
Standard Design (240°F)  
High Temp. Design (450°F)  
Sub-Zero Temp. Design (0°F)



| Type | I   |      | Q    |      | Dimensions in |   |     |     |      |       |            |      |      |      |      |
|------|-----|------|------|------|---------------|---|-----|-----|------|-------|------------|------|------|------|------|
|      | Gas | Gas  | A    | B    | C             | D | E   | F   | G    | L     | Motor Size | M    | N    | O    | P    |
| M6   | 1"  | 3/4" | 6.10 | 8.34 | 4.88          | 3 | 3.5 | .34 | 2.24 | 9.29~ | 56C        | 1.77 | 2.75 | 3.50 | 6.65 |

\* consult factory for M31 motor size