

• TECH SPECS

Series M31SS Close-Coupled Centrifugal (low to medium flows)

Compressor Circulation or Transfer: Versatile Seal-less Centrifugal

M31 SS Performance Range

- Flows from 2 to 150 gpm (.5 - 34 m³/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.

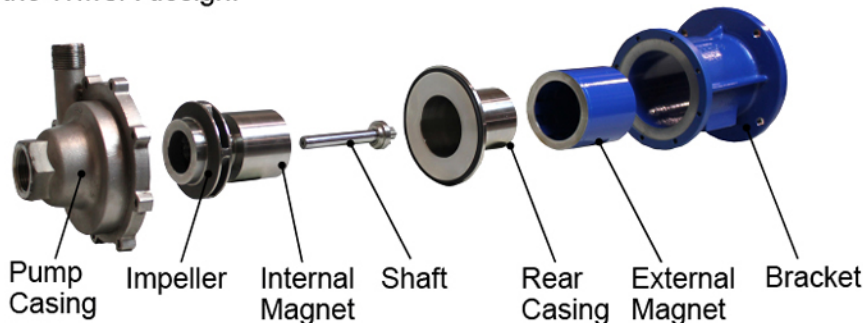
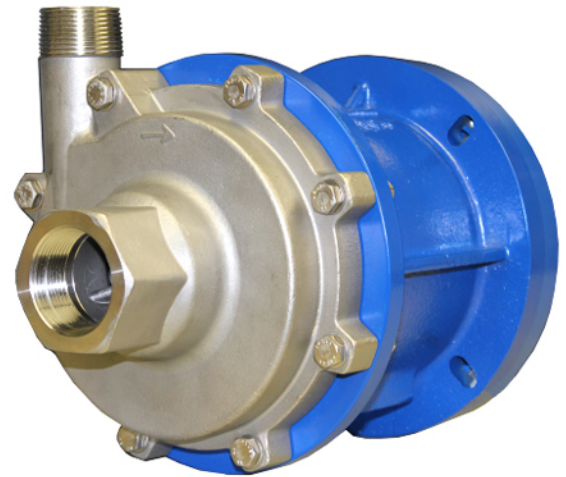


Table of Sizes and Specifications

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.

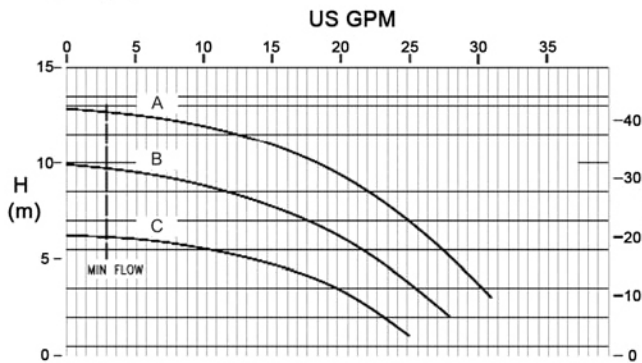
* depending on operating temperature

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Performance Curves 3600 RPM (60Hz)

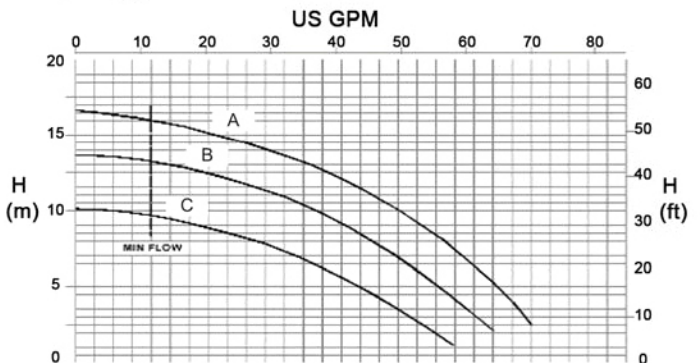
M6

Impeller (A) 3-1/8"
Impeller (B) 2-7/8"
Impeller (C) 2-5/8"



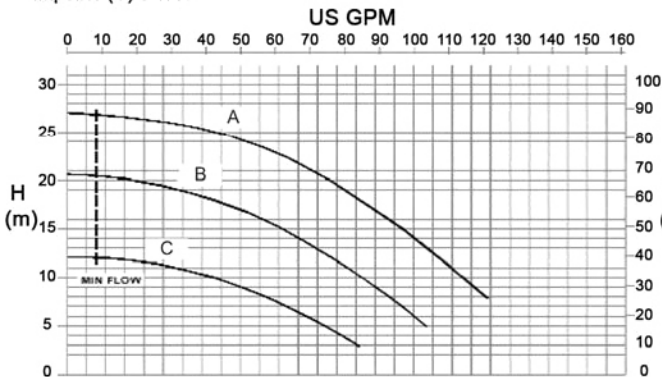
M10

Impeller (A) 3-3/4"
Impeller (B) 3-7/16"
Impeller (C) 3-1/16"



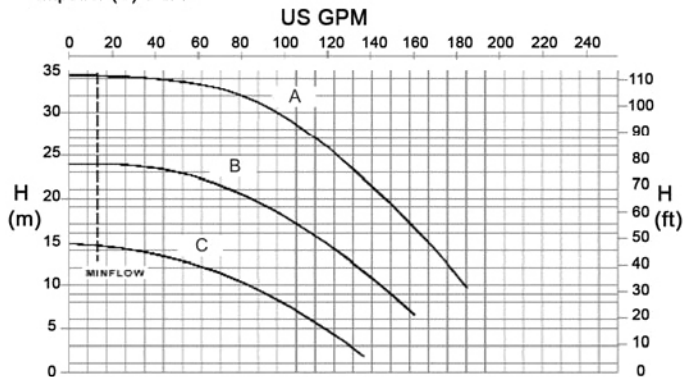
M15

Impeller (A) 4-3/4"
Impeller (B) 4-1/8"
Impeller (C) 3-7/16"

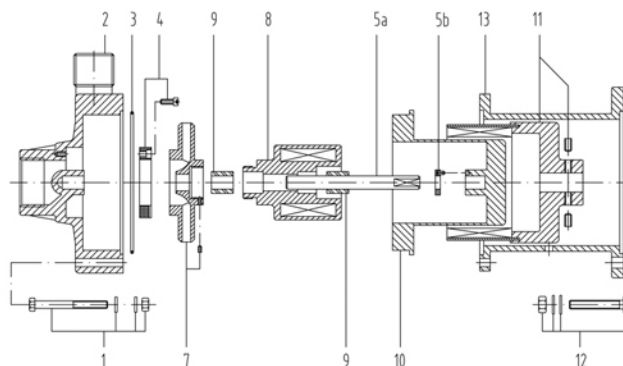


M31

Impeller (A) 5-1/4"
Impeller (B) 4-1/2"
Impeller (C) 3-3/4"



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

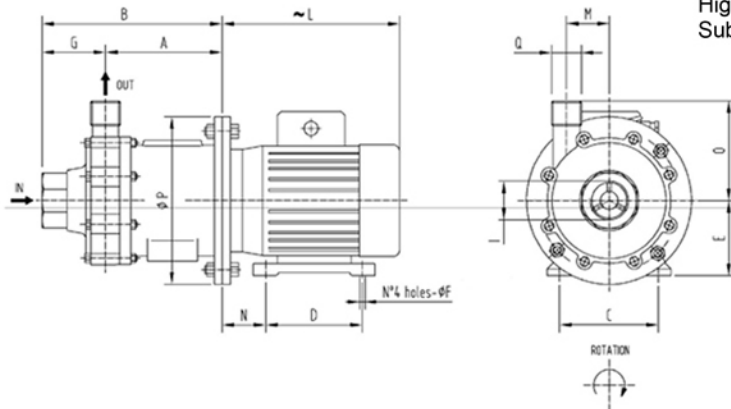
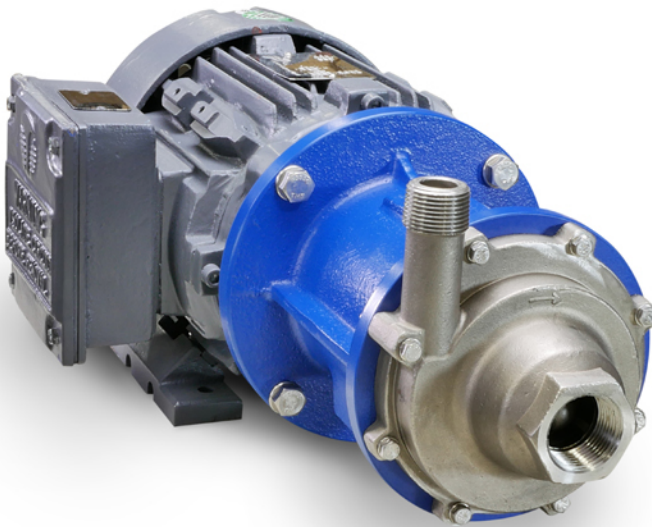
- Carbon, PTFE-C

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
M31	2"	1 1/2"	8.01	11.31	*	*	*	*	3.31	*	*	2.64	*	5.51	7.87
* consult factory for M31 motor size															