



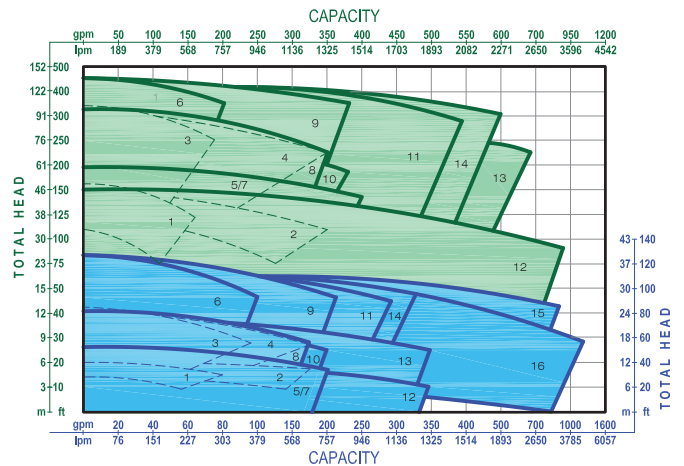
MAGNATEX MLZ SERIES

The MLZ series pumps are ANSI/ASME B73.3 fluoropolymer lined sealless magnetic drive models. They feature separable impellers and inner magnets, as well as readily replaceable front thrust and impeller rings. With no seals to fail, these pumps are ideal for a wide range of chemical applications to help eliminate “reportable release” issues.

MLZ Series Specifications

Maximum Flow	1425 GPM
Maximum Head	475 FT @ 206 psi with water
Liquid Temperature	0°F to 250°F
Maximum Power	100 HP
Connections	150lb RF Flanges
Bearing	C-PTFE or Optional SiC-Z
Shaft	SiC
Casing Gasket	GFR-PTFE
Max Working Pressure	200 psig
Impeller	Enclosed
Speeds	Up to 3550 rpm
Magnets	Neodymium
Motor	NEMA Close-Coupled

MLZ Series Composite Performance Curves



Materials of Construction

- » PFA Lining
- » Carbon Fiber Reinforced ETFE
- » Sintered Silicon Carbide Shaft



@ 1750 RPM 60hz

1	AA6	1x1.5-6
2	AB6	1.5x3-6
3	AA8	1x1.5-8
4	AB8	1.5x3-8
5	AC6	2x3-6
6	A05-10	1x2-10
7	A10	2x3-6
8	A50-8	1.5x3-8
9	A50-10	1.5x3-10
10	A60-8	2x3-8
11	A60-10	2x3-10
12	A70-6	3x4-6
13	A70-8	3x4-8
14	A70-10	3x4-10
15	A70-10H	3x4-10
16	A80-10	4x6-10

@ 3500 RPM 60hz

1	AA6	1x1.5-6
2	AB6	1.5x3-6
3	AA8	1x1.5-8
4	AB8	1.5x3-8
5	AC6	2x3-6
6	A05-10	1x2-10
7	A10	2x3-6
8	A50-8	1.5x3-8
9	A50-10	1.5x3-10
10	A60-8	2x3-8
11	A60-10	2x3-10
12	A70-6	3x4-6
13	A70-8	3x4-8
14	A70-10	3x4-10

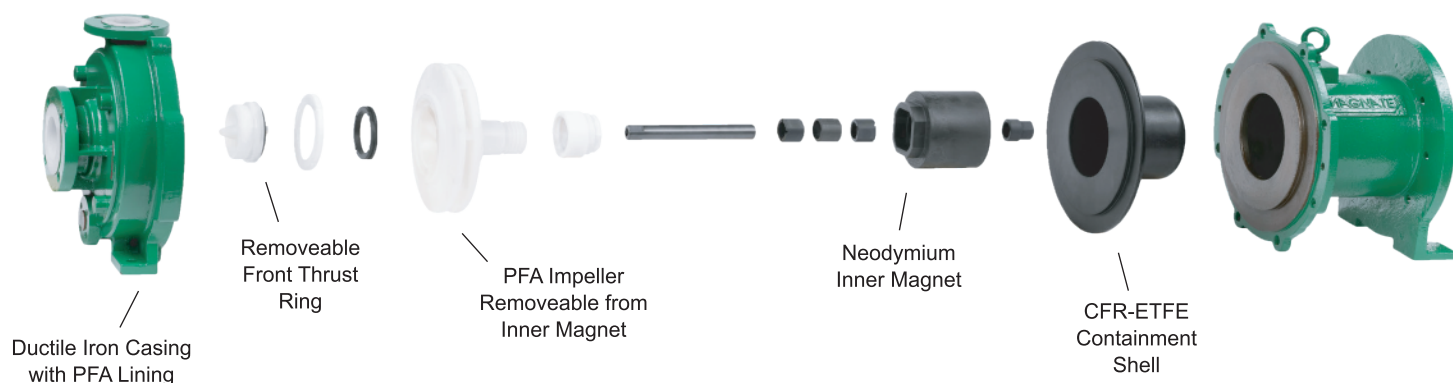
Magnatex Pumps Inc.

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713.972.8666

Magnetex MLZ Components



Magnetex MLZ Product Features

- » PFA lining, mechanically attached to ductile iron casing
- » PFA impeller, separable from inner magnet, with readily replaceable impeller ring
- » Shaft support assembly, including integral front thrust ring, optimized to match the suction eye of the impeller for improved NPSHr; can be easily replaced if needed
- » Neodymium rare earth inner magnet encapsulated in CFR-ETFE, separable from impeller
- » Standard SSiC (sintered silicon carbide) front thrust ring
- » Full-diameter SSiC (sintered silicon carbide) shaft provides improved fracture toughness
- » Standard carbon graphite infused PTFE, product lubricated bearings and rear thrust bushing
- » CFR-ETFE rear containment inner shell supported by mechanically superior, GFR polyamide outer shell
- » Optional, proprietary SiC-Z material (non-coated, hybrid SiC with uniform consistency) bearings and wear rings available to provide improved endurance in compromised operating conditions



Magnetex Pumps Inc.

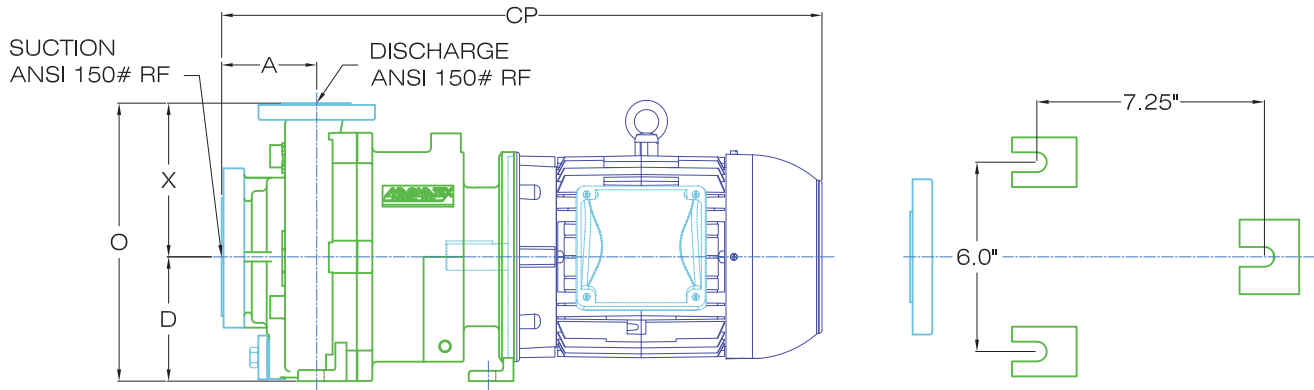
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MAGNATEX MODEL	DIMENSIONS (ALL DIMENSIONS IN INCHES $\pm 0.12"$)							NOT FOR CONSTRUCTION	
	SUC	DIS	A	X	D	O	PUMP LBS ** w/o MOTOR	MOTOR FRAME	CP DIM RANGE
MLZ AA8	1.50	1.00	4.00	6.50	5.25	11.75	101	140TC TO 280TSC	22.0" - 36.0"
MLZ AA6	1.50	1.00	4.00	6.50	5.25	11.75	95		
MLZ AB6	3.00	1.50	4.00	6.50	5.25	11.75	101		
MLZ AB8	3.00	1.50	4.00	6.50	5.25	11.75	95		
MLZ AC6	3.00	2.00	4.00	6.50	5.25	11.75	101		

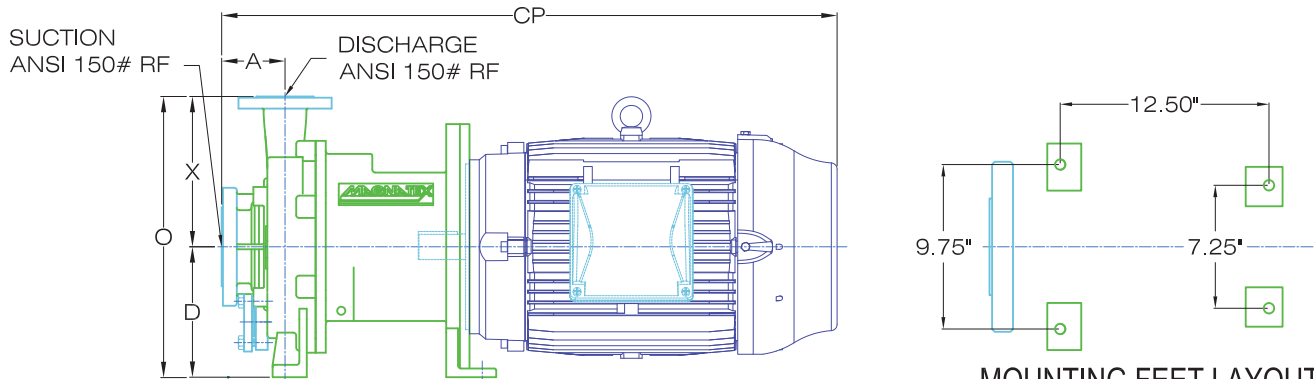
* WEIGHTS ARE FOR REFERENCE ONLY AND VARY ACROSS EACH MODEL HP RANGE



MOUNTING FEET LAYOUT

MAGNATEX MODEL	DIMENSIONS (ALL DIMENSIONS IN INCHES $\pm 0.12"$)							NOT FOR CONSTRUCTION	
	SUC	DIS	A	X	D	O	PUMP LBS ** w/o MOTOR	MOTOR FRAME	CP DIM RANGE
MLZ A10-6	3.00	2.00	4.00	8.25	8.25	16.50	320	180TC TO 405TSC	26.0" - 47.5"
MLZ A05-10	2.00	1.00	4.00	8.50	8.25	16.75	320		
MLZ A50-8	3.00	1.50	4.00	8.50	8.25	16.75	352		
MLZ A50-10	3.00	1.50	4.00	8.50	8.25	16.75	352		
MLZ A60-8	3.00	2.00	4.00	9.50	8.25	17.75	352		
MLZ A60-10	3.00	2.00	4.00	9.50	8.25	17.75	368		
MLZ A70-6	4.00	3.00	4.00	8.50	8.25	16.75	344		
MLZ A70-8	4.00	3.00	4.00	11.00	8.25	19.25	352		
MLZ A70-10/10H	4.00	3.00	4.00	11.00	8.25	19.25	424		
MLZ A80-10	6.00	4.00	4.00	13.50	10.00	23.50	488		

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