



Centerline-mounting available for +500°F services with pedestal cooling option; casing and/or seal chamber jacketing available, where required



Also available, MLS AA6, 1x1.5-6, PFA-lined model with proprietary, outside seal

MAGNATEX® 3596 Series Specifications

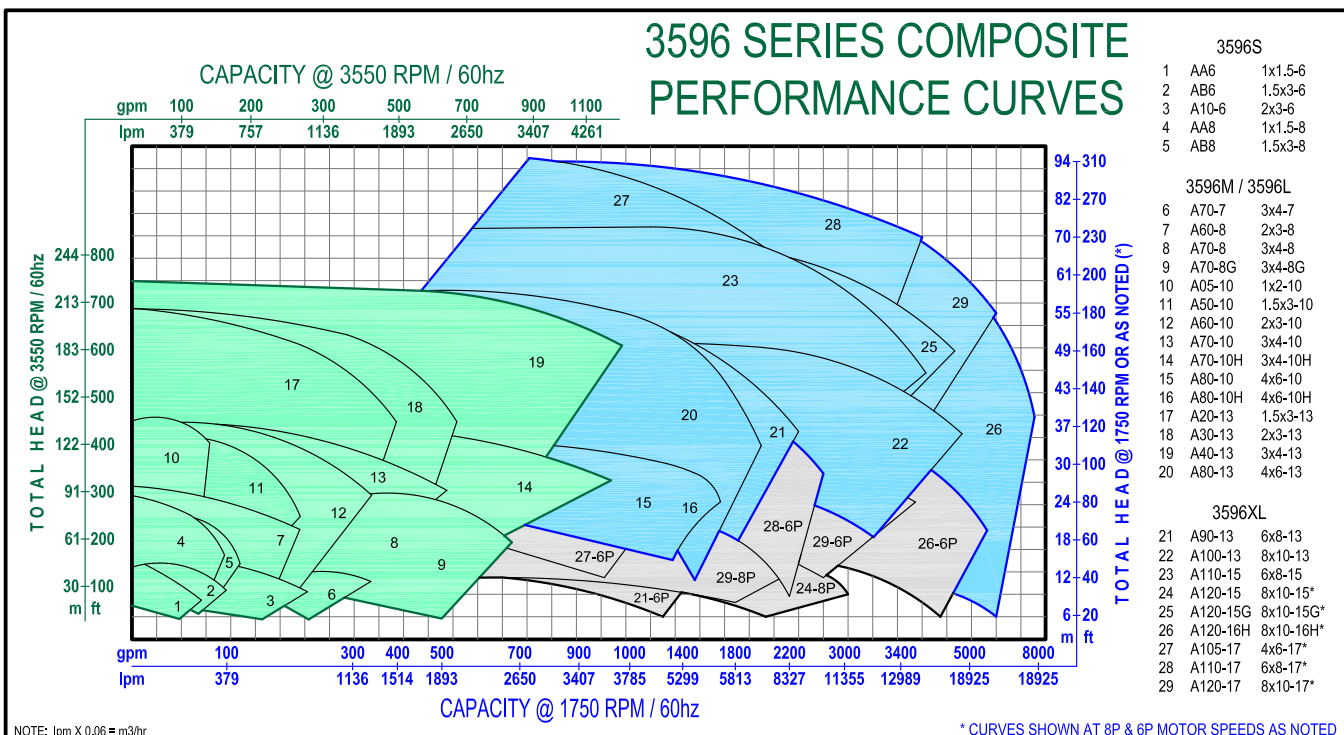
Liquid Temperature	-100°F to +700°F (-73° to 370°C)
Maximum Shaft Deflection	0.002 Inch (0.0508mm)
Connections	150# FF std. or 300# RF Optional
L10 Bearing Life	50,000 Hours
Maximum Working Pressure	275 psig (18.96 bar)
Speed	Up to 3550 rpm (2950 @50hz)
Motor	NEMA or IEC Foot Mounted

Mechanical Seal ANSI Pumps

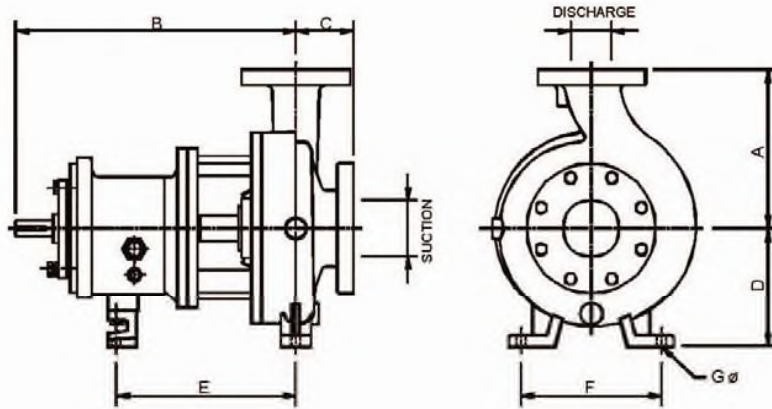
MAGNATEX® 3596 Series

Heavy-duty, world-class quality process pumps built to the latest ANSI/ASME B73.1 standard.

- Competitively priced
- Available in 29 sizes
- Materials include WCB (steel - upgrade from ductile iron), 316SS, CD4MCu, CD4MCuN, Duplex & Super Duplex SS, (1B, 1C, 5A, 6A), Alloy B/C, Nickel, Monel, and Titanium; MLS AA6, 1x1.5-6, PFA-lined model with proprietary, outside seal is also available
- Bearing frames, bearing covers, and frame adaptors available in 316SS
- All stainless and alloy wet end components are investment cast, assuring excellent surface finish, as well as eliminating cracks and porosity
- Cast parts are manufactured using state-of-the-art CNC machines to ensure proper fit-up and repeatability
- High tolerance standards closely maintained
- Labyrinth seals are standard to protect the bearing housing from environmental contaminants
- Large metal/glass sight gauge ensures visibility of lubricant to help maintain the proper oil level
- Large bore seal chambers ideal for cartridge seals are standard; Tapered bore with straight vanes, as well as standard bore for component seals and packing are available. A dynamic seal option can also be provided
- Inventories are based on WCB (steel) and 316SS; other above materials available
- Shaft kits, Maintenance Kits, and power ends are available
- A variety of seal options and flushing/cooling systems to handle almost all process applications are available
- Sleeved or solid shaft construction available
- Also available: MXP for metal, MTA PFA-lined, and MTE ETFE-lined models - all ANSI/ASME B73.3 sealless, magnetic-drive pumps



DIMENSIONAL DRAWING MAGNATEX 3596 SERIES PUMPS



GENERAL DIMENSIONS

FRAME	SIZE	ANSI DESIGNATION	DISCHARGE SIZE	SUCTION SIZE	A	B	C	D	E	F	G BORE	WEIGHT (APPROX.)	
					DIMENSIONS IN INCHES (CENTIMETERS) - NOT FOR CONSTRUCTION -								LBS (kgs.)
MAGNATEX 3596S	1 x 1.5 – 6	AA	1	1.5	6.5 (16.5)	13.5 (34.3)		5.25 (13.3)	7.25 (18.5)	6 (15.2)	.625 (1.58)	84 (38)	
	1.5 x 3 – 6	AB	1.5	3								92 (42)	
	2 x 3 – 6	AC	2	3								95 (43)	
	1 x 1.5 – 8	AA	1	1.5								100 (45)	
	1.5 x 3 – 8	A8	1.5	3								108 (49)	
MAGNATEX 3596M & 3596L	3 x 4 – 7	A70	3	4	11 (28.0)	19.5 (49.5)	4 (10.2)	8.25 (21.0)		9.75 (24.7)	.625 (1.58)	220 (100)	
	2 x 3 – 8	A60	2	3	9.5 (24.2)							200 (91)	
	3 x 4 – 8	A70	3	4	11 (28.0)							200 (91)	
	3 x 4 – 8G	A70	3	4									
	1 x 2 – 10	A05	1	2	8.5 (21.6)							220 (100)	
	1.5 x 3 – 10	A50	1.5	3	9.5 (24.2)			230 (104)					
	2 x 3 – 10	A60	2	3	9.5 (24.2)			265 (120)					
	3 x 4 – 10	A70	3	4	11 (28.0)			305 (138)					
	3 x 4 – 10H	A40	3	4	12.5 (31.8)			305 (138)					
	4 x 6 – 10	A80	4	6	13.5 (34.3)								
	4 x 6 – 10H	A80	4	6									
	1.5 x 3 – 13	A20	1.5	3	10.5 (26.7)			245 (111)					
	2 x 3 – 13	A30	2	3	11.5 (29.2)			275 (125)					
	3 x 4 – 13	A40	3	4	12.5 (31.8)			330 (150)					
	4 x 6 – 13	A80	4	6	13.5 (34.3)			.563 (1.43)	405 (184)				
MAGNATEX 3596XL	6 x 8 – 13	A90	6	8	16 (40.6)	27.9 (70.8)	6 (15.2)	14.5 (36.8)	18.75 (47.6)	16.0 (40.6)	.875 (2.22)	560 (254)	
	8 x 10 – 13	A100	8	10	18 (45.7)							670 (304)	
	6 x 8 – 15	A110	6	8								610 (277)	
	8 x 10 – 15	A120-15	8	10								740 (336)	
	8 x 10 – 15G	A120-15G	8	10	19 (48.3)							710 (322)	
	8 x 10 – 16H	A120-16H	8	10								850 (386)	
	4 x 6 – 17	A105-17	4	6	16 (40.6)							650 (295)	
	6 x 8 – 17	A110-17	6	8	18 (45.7)							730 (331)	
	8 x 10 – 17	A120-17	8	10	19 (48.3)				830 (376)				

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