General Description

The CENTRAN AM pump is a magnetic driven pump, designed to meet the continuous demands of the marktplace.

These pumps are close coupled, horizontal end-suction centrifugals. The bodies are entirely built with reinforced thermoplastic polymers. The materials for the internal components are ceramic oxides, high density carbon, and fluorinated elastomers.

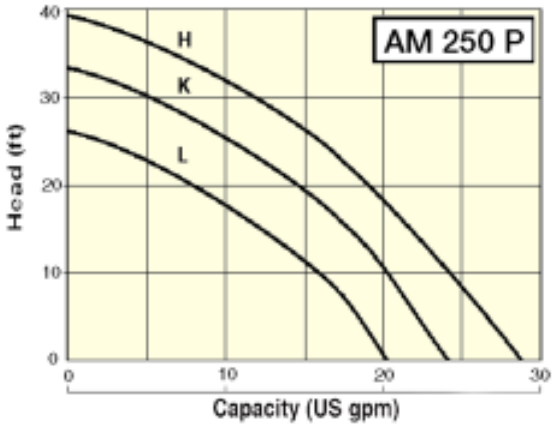
Performance

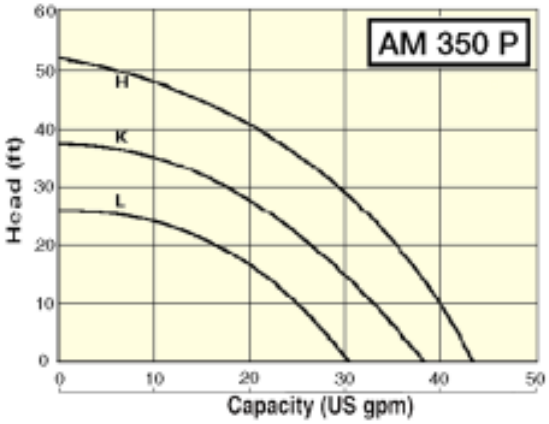
The drive magnet, located outside the casing and attached to the motor shaft, drives the magnetic impeller inside the casing.

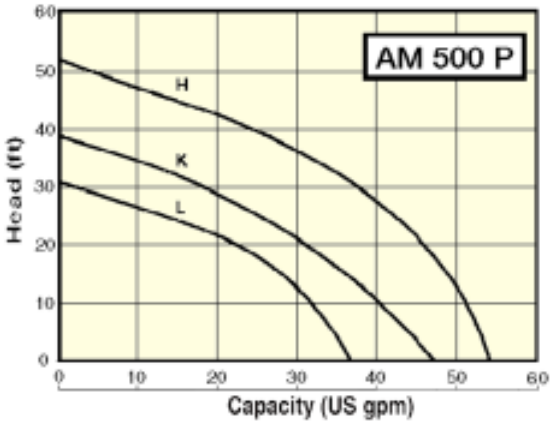
Special materials allow for occasional dry running operation.

The CENTRAN AM is built from three types of materials for a variety of applications, ranging from ultrapure water to wastewater, slightly abrasive liquids, caustics, and acids.

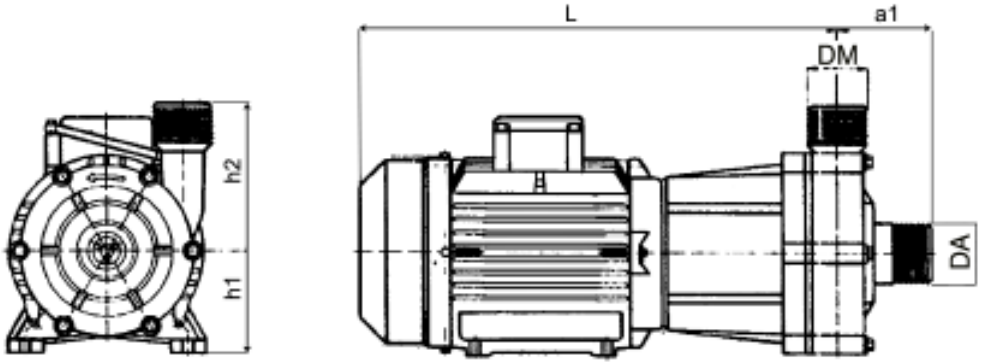
The CENTRAN AM is able to work at maximum capacity, transferring fluid with specific gravities up to 1.8. The drive assembly is made of powerful Neodymium-Iron-Boron magnets.







Constructive Dimensions



Temperature

Version	Reinforced Polymers	Min. Temp.	Max. Temp.	Environment Temp.
WR	GFR-PP	23°F (-5°C)	176°F (80°C)	14-104°F (0-40°C)
GF	GFF-E-CTFE	-22°F (-30°C)	230°F (110°C)	-4-104°F (-20-40°C)
GX	GFF-E-CTFE	-22°F (-30°C)	230°F (110°C)	-4-104°F (-20-40°C)

Dimensions with NEMA Motors - 60 Hz

AM	250P	350P	500P
a1	2 7/16"		
L	12 1/4"		
h1	3 1/2"		
h2	3 15/16"		
DM	3/4" M	1" M	1 1/4" M
DA	3/4" F	1" M	1 1/4" M
ANSI Flanged	NA	1"	1 1/4"

Materials

Version	WR			GF		
	R1	X1	N1	R2	X2	N2
Volute casing	GFR-PP			CFF-E-CTFE		
Rear casing						
Centrifugal impeller						
Guide bushing	HD Carbon	SIC	GFR-PTFE	HD Carbon	SIC	GFR-PT
Shaft	CER			SIC		
Thrust bush						
O-ring gasket	FKM (1)			FKM (1); (2)		
Screws	Stainless steel			Stainless stee		

* ATEX approved
Upon request: (1) EPDM and (2) FFKM

Curves 60 Hz

AM	Execution "P"
Impeller	Specific gravity
H	1.05
K	1.35
L	1.8

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