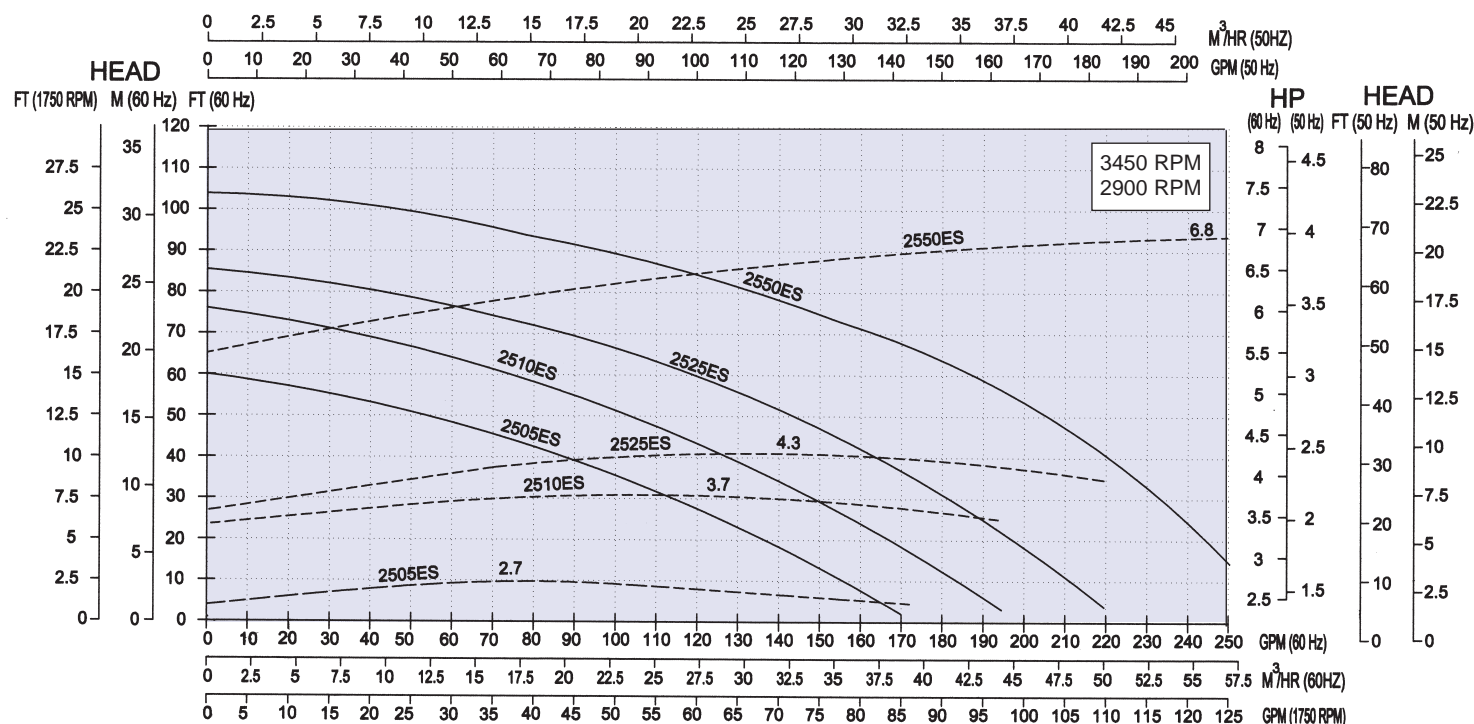


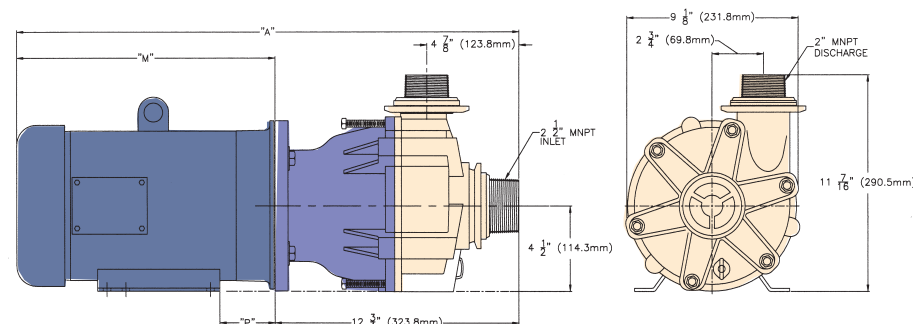
2500 series for flows to 250 GPM (56 m³/hr)

PERFORMANCE CURVE



DIMENSIONS

Motor HP	Volts/Phase	"A"	"M"	"P"
3	208-230/460 3 phase	23-3/4" (603mm)	11" (279mm)	3" (76.2mm)
5	208-230/460 3 phase	24-5/8" (625mm)	11-7/8" (302mm)	3-1/2" (89mm)
7.5	208-230/460 3 phase	26" (660mm)	13-1/4" (337mm)	3-1/2" (89mm)
10	208-230/460 3 phase	DIMENSIONS VARY, CONSULT FACTORY		



SETHCO® SEAL-LESS, END SUCTION, MAGNETIC DRIVE, CENTRIFUGAL PUMPS

QUICK SELECTION GUIDE FOR MODELS PM & KM PUMPS

Add PM before model number for Polypropylene construction and KM before model number for PVDF construction.

GALLONS PER MINUTE 60 HZ	HEAD (Feet) 60 Hz									
	10	20	30	40	50	60	70	80	90	100
10	510	525	550	1040NT	1040NT	1500	1500	2525	2550	2550
20										
30	550	1035NT	1040NT	1040WT	1040WT	1500	1500	2525	2550	2550
40										
50	1035NT	1040NT	1040WT	1040WT	1500	1500	2525	2550	2550	2550
60										
70	1040WT	1500	1500	1500	2510	2510	2525	2550	2550	-
80										
90	1500	1500	2505	2505	2510	2525	2550	2550	2550	-
100										
110	2505	2505	2505	2510	2525	2525	2550	2550	-	-
120										
130	2505	2505	2510	2525	2525	2550	2550	2550	-	-
140										
150	2505	2510	2510	2525	2550	2550	2550	-	-	-
160										
170	2510	2525	2525	2550	2550	2550	-	-	-	-
180										
190	2525	2525	2550	2550	2550	-	-	-	-	-
200										
210	2525	2550	2550	2550	-	-	-	-	-	-
220										
230	2550	2550	2550	-	-	-	-	-	-	-
240										
250	2550	-	-	-	-	-	-	-	-	-

Note: Not all selections will work for every application due to different specific gravity of liquids. Please consult a Sethco Application Engineer before purchasing a pump.



Seal-less, End Suction Magnetic Drive Centrifugal Pumps

For Corrosive Liquid and Chemical Transfer



PUMP SPECIFICATIONS: FLOW CAPACITIES TO 250 GPM, PRESSURE TO 105 FT. 8 MODELS TO CHOOSE FROM

Model Number	Flow	Maximum Head	Maximum Operating Temp. (F / C)	Motor Characteristics*				Weight†				
				HP*	Volts	Hz.	Phase	Lbs.	Kg.			
Polypropylene	PVDF	GPM	m ³ /hr	Ft.	M.	Polypropylene	208-230/460	60	3 ph	TEFC	84	38
PM-2505	KM-2505	170	38.5	60	18							
PM-2510	KM-2510	195	44	76	23	PVDF	208-230/460	60	3 ph	TEFC	105	48
PM-2525	KM-2525	220	50	85	26							
PM-2550	KM-2550	250	56.5	105	32							

*Customer supplied external overload protection is required on 3 phase motors. Consult factory for 50 Hz. motor. Explosion proof motors are available † Add approximately 3 pounds for PVDF. Add approximately 20% extra for shipping weight.

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 West Coast Office: 230 N. Crescent Way, Unit I, Anaheim, CA 92801 • Tel: 714-991-0270 • Fax: 714-991-8107

SETHCO® END SUCTION CORROSION RESISTANT MAGNETIC DRIVE, SEAL-LESS CHEMICAL PUMPS

Sethco magnetic drive, seal-less pumps are precision designed to meet the demands of a wide range of OEM, chemical and industrial applications. These pumps can be used for highly corrosive or mild chemicals, acids or solvents at flows to 250 GPM at temperatures to 210°F.

Leakproof, Seal-less Construction

No shaft seal is used or required on these magnetically driven pumps. Power is transmitted by a magnetic field traveling from a magnet attached to the motor, through the solid body of the pump, to a magnet attached to the impeller. No shaft seal ensures that leakage and troublesome seal replacement are completely eliminated. The superior seal-less, magnetic drive design provides a reliable, smooth running, vibration-free pump that delivers high flow and pressure.

Excellent Chemical Resistance

The wetted components of these rugged seal-less pumps are available in your choice of Polypropylene or all PVDF. Polypropylene is glass reinforced and PVDF is carbon reinforced for added strength and reliability. These materials offer broad corrosion resistance to acids, alkalis, caustics, bleaches, sea water, solvents and many harsh environments. All pumps include a 99.5% Alumina ceramic shaft and thrust washers. High purity carbon bearings are standard with Rytan® or silicone carbide available where required. Viton o-rings are standard on all pumps, while teflon and EPDM are available. There is no metal contact with the liquid being pumped.

Run Dry Capability

Once a Sethco end suction pump has been primed with solution, it is possible for it to run dry without damage if flow to the pump is interrupted for any reason. Run dry times may vary depending on model, bearing type and piping configuration.

Designed for Reliability

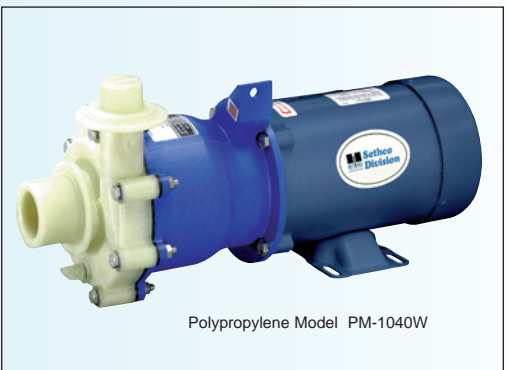
Among its many features is its unique impeller/driven magnet design. The two are separate distinct pieces so that one can be replaced without having to purchase the other. This feature also reduces the load on the front bearing and thrust washer.

Easy to Maintain

In the event a pump should ever need service, the limited number of parts allows for easy disassembly, inspection and maintenance without any special tools or talent. The motor can be separated from the pump housing without difficulty. Magnetic coupling design acts as a clutch to eliminate motor burnout and overloading under adverse conditions. Magnet housing acts as an insulator to prevent motor heat from being transferred to the fluid being pumped



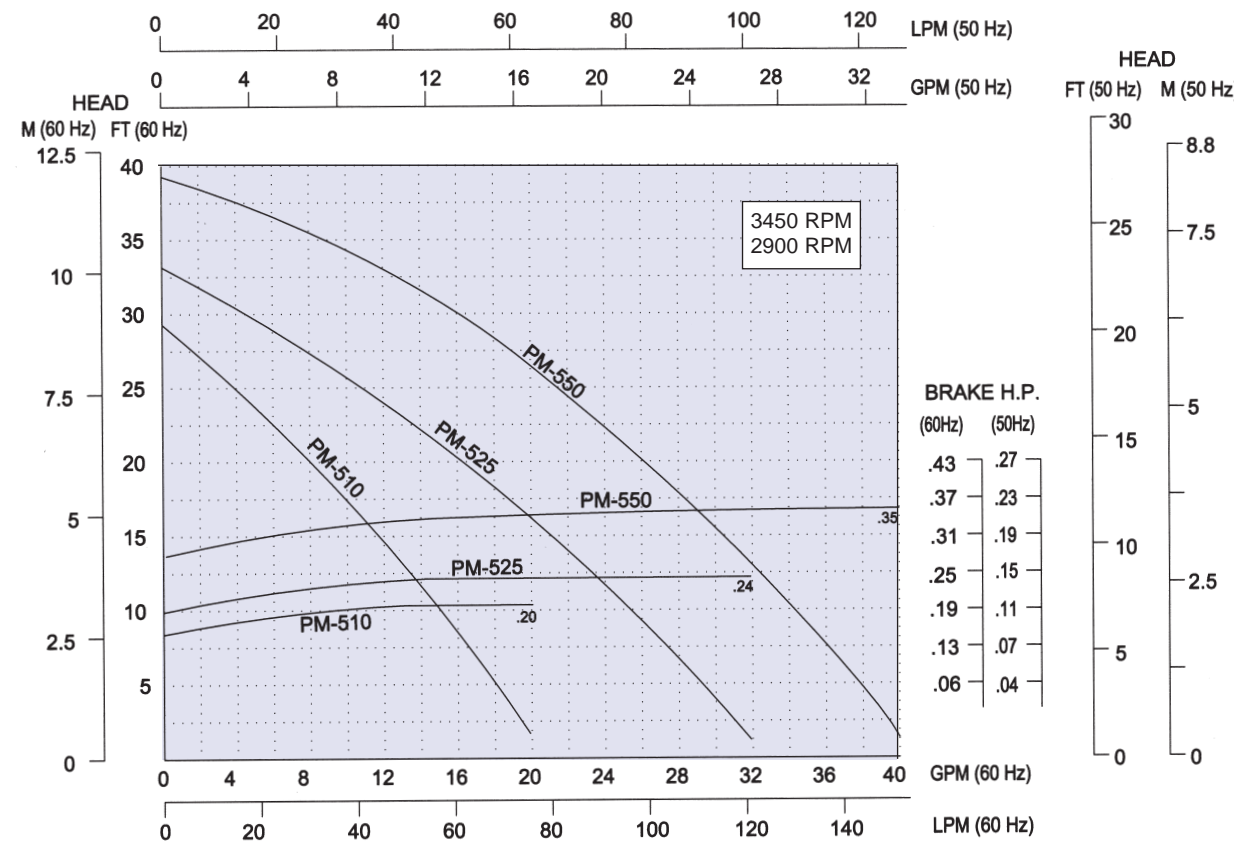
Polypropylene Model PM-2550



Polypropylene Model PM-1040W

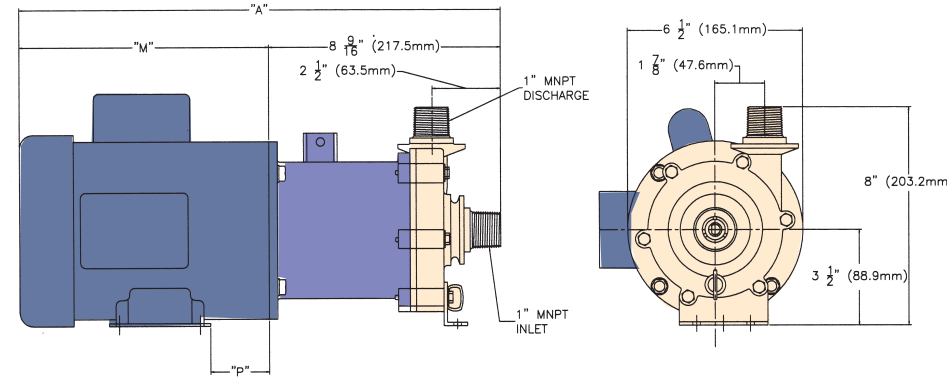
500 series for flows to 40 GPM (150 LPM)

PERFORMANCE CURVE



DIMENSIONS

Motor HP	Volts/Phase	"A"	"M"	"P"
1/4	115-208/230, 1 ph	16-3/16" (411mm)	7-5/8" (194mm)	2-1/8" (54mm)
1/3	115-208/230, 1 ph	16-3/16" (411mm)	7-5/8" (194mm)	2-1/8" (54mm)
1/3	115-208/230, 1 ph	16-13/16" (427mm)	8-1/4" (209mm)	2-1/8" (54mm)
1/2	115-208/230, 1 ph	17-5/16" (440mm)	8-3/4" (194mm)	2-1/8" (54mm)
1/2	208-230/460, 3 ph	16-13/16" (427mm)	8-1/4" (209mm)	2-1/8" (54mm)
3/4	115-208/230, 1 ph	18-5/16" (465mm)	9-3/4" (247mm)	2-1/8" (54mm)
3/4	208-230/460, 3 ph	18-5/16" (465mm)	9-3/4" (247mm)	2-1/8" (54mm)



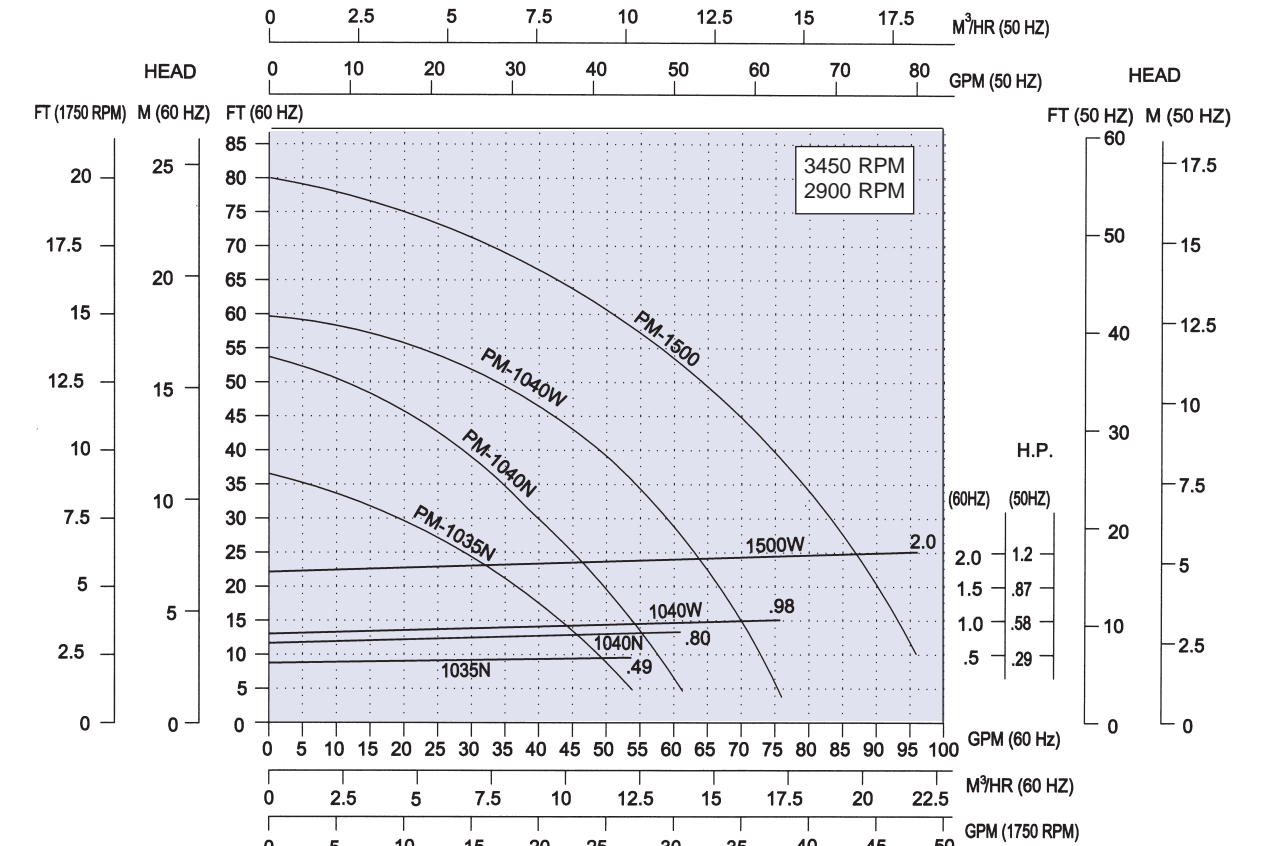
PUMP SPECIFICATIONS: FLOW CAPACITIES TO 40 GPM, PRESSURE TO 38 FT. 6 MODELS TO CHOOSE FROM

Model Number	Flow	Maximum Head	Maximum Operating Temp. (F / C)	HP*	Motor Characteristics*				Weight†		
					Volts	Hz.	Phase	Type	Lbs.	Kg.	
Polypropylene	PVDF	GPM	LPM	Ft.	M.	115/230	60	1 ph	TEFC	30	13.6
PM-510	KM-510	20	75	28	8.5						
PM-525	KM-525	32	120	33	10						
PM-550	KM-550	40	150	38	11.5						

* Customer supplied external overload protection is required on 3 phase motors. Consult factory for 50 Hz. motor. Explosion proof motors are available † Add approximately 3 pounds for PVDF. Add approximately 20% extra for shipping weight.

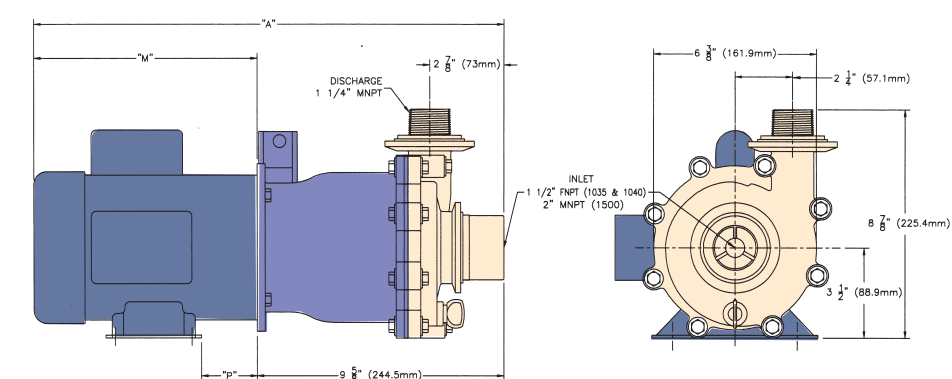
1000 series for flows to 96 GPM (22 m³/hr)

PERFORMANCE CURVE



DIMENSIONS

Motor HP	Volts/Phase	"A"	"M"	"P"
1/2	115-208/230, 1 ph	18-3/8" (466mm)	8-3/4" (222mm)	2-1/8" (54mm)
1/2	208-230/460, 3 ph	17-7/8" (454mm)	8-1/4" (210mm)	2-1/8" (54mm)
3/4	115-208/230, 1 ph	19-3/8" (492mm)	9-3/4" (248mm)	2-1/8" (54mm)
3/4	208-230/460, 3 ph	19-3/8" (492mm)	9-3/4" (248mm)	2-1/8" (54mm)
1	115-208/230, 1 ph	19-3/8" (492mm)	9-3/4" (248mm)	2-1/8" (54mm)
1	208-230/460, 3 ph	19-3/8" (492mm)	9-3/4" (248mm)	2-1/8" (54mm)
2	115-208/230, 1 ph	20-7/8" (530mm)	11-1/4" (285mm)	1-1/2" (38mm)
2	208-230/460, 3 ph	19-7/8" (504mm)	10-1/4" (260mm)	1-1/2" (38mm)
3	115-208/230, 1 ph	21-3/8" (543mm)	11-3/4" (298mm)	1-1/2" (38mm)
4	208-230/460, 3 ph	21-3/8" (543mm)	11-3/4" (298mm)	1-1/2" (38mm)



PUMP SPECIFICATIONS: FLOW CAPACITIES TO 96 GPM, PRESSURE TO 80 FT. 8 MODELS TO CHOOSE FROM

Model Number	Flow	Maximum Head	Maximum Operating Temp. (F / C)	HP*	Motor Characteristics*				Weight†		
					Volts	Hz.	Phase	Type	Lbs.	Kg.	
Polypropylene	PVDF	GPM	m ³ /hr	Ft.	M.	115/230	60	1 ph	TEFC	34	15.4
PM-1035	KM-1035	54	12	36	11						
PM-1040N	KM-1040N	62	14	53	16						
PM-1040W	KM-1040W	76	17	60	18						
PM-1500	KM-1500	96	22	80	24						

* Customer supplied external overload protection is required on 3 phase motors. Consult factory for 50 Hz. motor. Explosion proof motors are available † Add approximately 3 pounds for PVDF. Add approximately 20% extra for shipping weight.