

MD SERIES

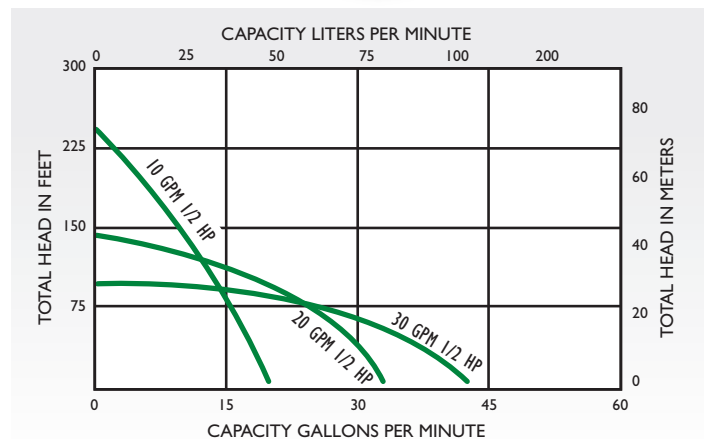
1/2 HP On-site Effluent Pump

SPECIFICATIONS

Applications	On-Site Filtered Effluent, Cistern	
Capacities	2–35 GPM	7.6–132.5 LPM
Shut-off Head	75'–225'	22.9–68.6 m
Max. Spherical Solids	.080"	2.0 mm
Liquids Handling	filtered effluent	
Max. Liquid Temp.	86°F	30°C
Motor Electrical Data	Dry-wound, double ball bearing, double-seal, thermal overload protected, 115V, 1Ø, 60Hz	
Specific Gravity	.9–1.1	
Viscosity	28–35 SSU	
Discharge, NPT	1-1/4"	
Housing	stainless steel and composite	
Power Cord	10' 30 m 300V, 2-wire with ground, SJTW-A, SJTW	
Discharge/Intake	Fiberglass-reinforced thermoplastic	
Discharge Bearing	Nylatron®	
Impellers	Acetel	
Diffusers	Polycarbonate	
Suction Caps	Polycarbonate with stainless steel wear ring	
Thrust Pads	Proprietary spec.	



This product is Listed to UL Standards for Safety by Underwriters Laboratories Inc. (UL).



FEATURES

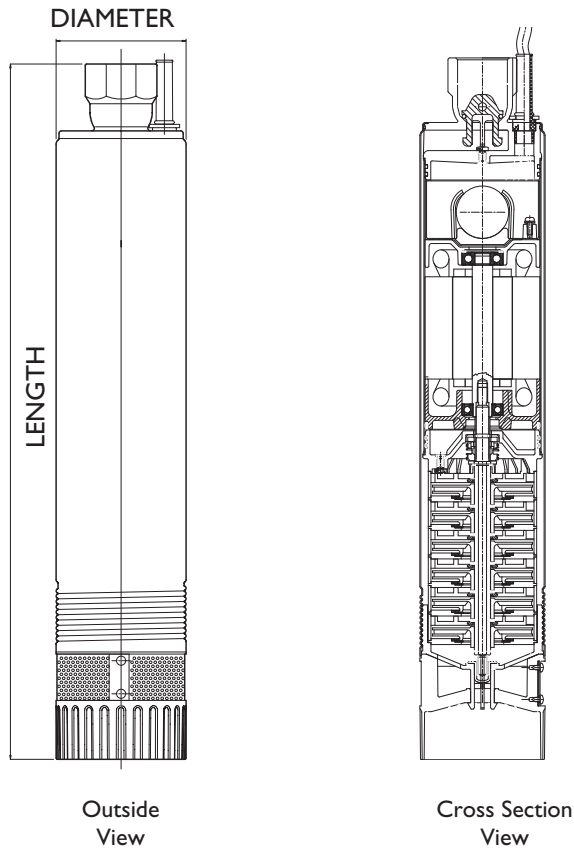
- 1/2 HP, 115V, single-phase
- Superior drawdown capability to 4-1/2" (114 mm) vs. 13-1/2" (343 mm) on a standard NEMA 4"
- 25% reduced amp-draw 9.5A vs. 12.7A on a standard NEMA 4"
- Cooler and quieter operation – eliminates expensive “flow-inducer sleeves”
- UL and CSA Listed
- Stainless steel and composite construction
- Exclusive dry-run capability
- Enclosed and self-lubricated shaft-bearing resists wear from abrasives
- Heavy 7/16" (12 mm) positive drive 300 Series stainless steel hexagonal shaft
- Serviceable composite intake screen — allows for .080" solids
- Patented ceramic wear surface
- Nylatron® is a registered trademark of Polymer Corp. SignaSeal™ and MD™ are trademarks of Pentair Water.
- In order to provide the best products possible, specifications are subject to change.



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OUTLINE DIMENSIONS



ORDERING INFORMATION

Catalog Number	HP	Max. Load Amps	Volts	Phase/Cycles	Cord Length	Pallet Quantity	Weight (Lbs.)
10MD05121	1/2	11.0	115	1/60	10'	80	16
20MD05121	1/2	9.5	115	1/60	10'	80	16
30MD05121	1/2	9.5	115	1/60	10'	80	16

GPM	Length	Diameter
10	21.6" (549 mm)	3.86" (98 mm)
20	20.8" (529 mm)	3.86" (98 mm)
30	20.6" (523 mm)	3.86" (98 mm)
20+1	22.3" (567 mm)	3.86" (98 mm)

PUMP PERFORMANCE (CAPACITY IN GALLONS PER MINUTE)

Pump Model	Flow Rate (GPM)	PSI											
		0	10	20	30	40	50	60	70	80	90	100	110
10MD05121	10			15.0	13.7	12.7	11.5	10.2	8.4	6.5	4.3	1.0	
20MD05121	20			30.0	26.0	21.5	14.2	4.4					
30MD05121	30		38.5	33.3	25.8	16							

PUMP PERFORMANCE (CAPACITY IN LITERS PER MINUTE)

Pump Model	Flow Rate (LPM)	Bar											
		0	.69	1.38	2.07	2.76	3.45	4.13	4.82	5.51	6.20	6.89	7.58
10MD05121	37.85		56.8	51.9	48.1	43.5	38.6	31.8	24.6	16.3	3.8		
20MD05121	75.7		113.6	98.4	81.4	53.7	16.7						
30MD05121	113.55	145.7	126.0	97.7	60.6								