

SUBMERSIBLE EFFLUENT PUMP

MESPD50/MESPD100 SERIES

The Myers MESPD50 Submersible Effluent Pumps handles flow capacities up to 110 gallons per minute and heads to 50 feet, while the MESPD100 handles capacities up to 140 gallons per minute and heads to 63 feet. Additionally, the MESPD50's oil-filled motor allows for superior cooling characteristics and provides permanent lubrication of the shaft bearings, minimizing maintenance and extending the service life of the pump.

Automatic models (1/2 HP) feature the exclusive Myers diaphragm pressure switch, which provides proven reliability in installations where a float might hang up. It also incorporates a unique piggyback plug arrangement, which allows for simple conversion to manual operation by simply removing the switch plug and inserting the motor plug directly into the electrical outlet.



Tested & Certified to UL778
and CSA 108.

3 Year Warranty



FEATURES

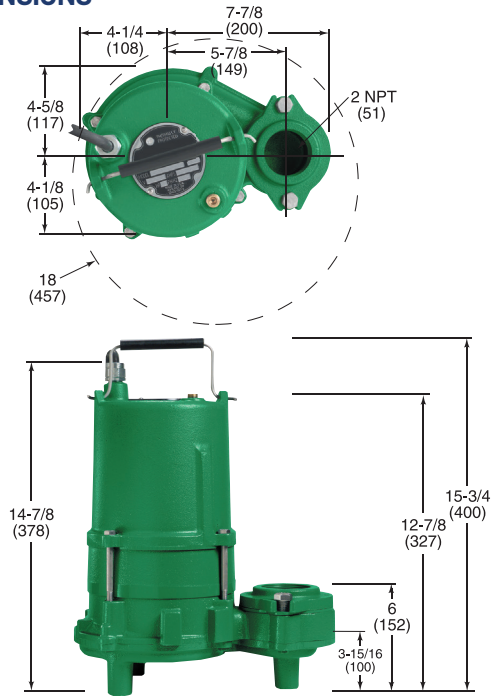
- ◆ High-quality cast iron pump volute, motor housing, and seal housing construction that help to ensure a long service life.
- ◆ Non-clogging, two vane, cast iron impeller threaded to a stainless steel shaft provides long life in demanding applications.
- ◆ A seal-failure sensor probe (for connection to a seal failure alarm) is standard on three-phase units and available as an option on single-phase models.
- ◆ Two carbon- and ceramic-faced mechanical shaft seals are mounted in tandem to provide double protection against water entry for a long, leak proof life.

SPECIFICATIONS

- ◆ **Lubricating Oil:** Dielectric oil
- ◆ **Motor Housing:** Cast iron
- ◆ **Seal Housing:** Cast iron
- ◆ **Pump Casing:** Cast iron
- ◆ **Shaft:** Stainless steel
- ◆ **Mechanical Shaft Seal:** Carbon/Ceramic Spring: Stainless Steel, Bellows: Buna-N
- ◆ **Impeller:** Ductile iron
- ◆ **Upper and Lower Bearings:** Single row ball bearing
- ◆ **Base:** Cast iron
- ◆ **Fastener:** Stainless steel
- ◆ **Optional 3" Discharge Flange:** Available

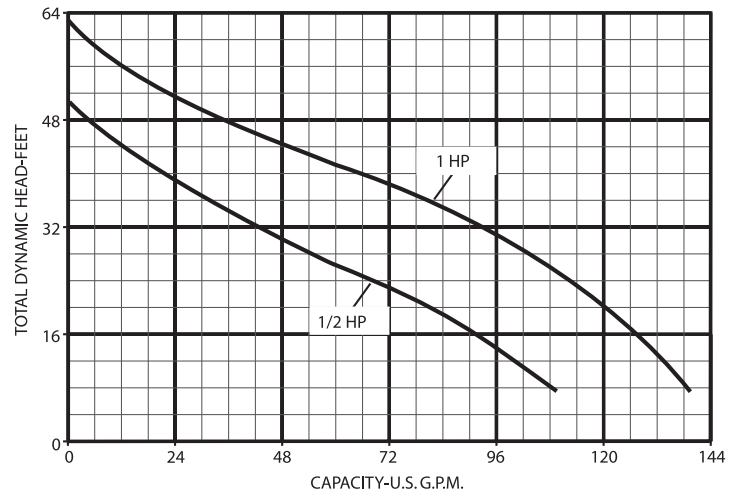
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DIMENSIONS



All dimensions in inches. Metric for international use. Component dimensions may vary $\pm 1/8$ inch. Dimensional data not for construction purpose unless certified. Dimensions and weights are approximate. On/Off level adjustable.

PUMP PERFORMANCE



PUMP SPECIFICATIONS

PUMP/MOTOR UNIT	SUBMERSIBLE					
	Manual Models (50)	MH1	MH2	MH6	MH3	MH4
Automatic Models	AH1	AH2	-	-	-	-
Horsepower	1/2					
Voltage	115	230	200	230	460	575
Full Load Amps	14.0	7.0	4.0	1.8	1.5	
Motor Type	Capacitor Start			Three-Phase		
R.P.M.	3450					
Phase Ø	1			3		
Manual Models (100)	MH2	MH6	MH3	MH4	M5	
Automatic Models	AH2	-	-	-	-	
Horsepower	1					
Voltage	230	200	230	460	575	
Full Load Amps	9.9	5.5	5.2	2.5	1.5	
Motor Type	Cap.	Three-Phase				
R.P.M.	3450					
Phase Ø	1	3				
Hertz	60					
Operation	Intermittent					
Temperature	140°F Max Fluid Temp.					
NEMA Design	B					
Insulation	Class B					
Discharge Size	2" NPT (3" opt.)					
Solids Handling	3/4"					
Unit Weight	73 lbs.					

Power Cord: MESPD50 14/3, SJTW-A, 1Ø, 115V=10' std. (20' opt.)-14/4, STW-A, 1Ø, 115V=10'(20' opt.)-16/3, STW-A, 1Ø, 230V=20' std.-16/4, STW-A, 1Ø, 230V=20' std. MESPD100 16/3, STW-A, 1Ø, 230V=20' std.-16/4, STW-A, 1Ø, 230V=20' std.-18/5, STW-A, 3Ø, 200V, 230V, 460V or 575V=20' std.

ORDERING INFORMATION

MODEL NUMBER	ENGINEERING NUMBER	HP	MAX CAPACITY	MAX HEAD	DISCHARGE NPT	SOLIDS HANDLING	VOLTS	FULL LOAD AMPS	PHASE	CORD LENGTH	SWITCH
MESPD50AH1 10	28215D000	1/2	109	50	2"	3/4"	115	14.0	1	10'	PD
MESPD50AH1 20	28215D001	1/2	109	50	2"	3/4"	115	14.0	1	20'	PD
MESPD50AH2 20	28215D002	1/2	109	50	2"	3/4"	230	7.0	1	20'	PD
MESPD50MH1 10	28215D011	1/2	109	50	2"	3/4"	115	14.0	1	10'	M
MESPD50MH1 20	28215D014	1/2	109	50	2"	3/4"	115	14.0	1	20'	M
MESPD50MH1-2	28215D010	1/2	109	50	2"	3/4"	115	14.0	1	10'	M
MESPD50MH1-2	28215D013	1/2	109	50	2"	3/4"	115	14.0	1	20'	M
MESPD50MH2 20	28215D015	1/2	109	50	2"	3/4"	230	7.0	1	20'	M
MESPD50MH2-2	28215D012	1/2	109	50	2"	3/4"	230	7.0	1	20'	M
MESPD50MH6 20	28215D021	1/2	109	50	2"	3/4"	200	3.6	3	20'	M
MESPD50MH3 20	28215D023	1/2	109	50	2"	3/4"	230	3.5	3	20'	M
MESPD50MH4 20	28215D022	1/2	109	50	2"	3/4"	460	1.8	3	20'	M
MESPD50MH5 20	28215D020	1/2	109	50	2"	3/4"	575	1.9	3	20'	M
MESPD100AH2 20	28215D100	1	135	64	2"	3/4"	230	9.9	1	20'	PT
MESPD100MH2 20	28215D111	1	135	64	2"	3/4"	230	9.9	1	20'	M
MESPD100MH6 20	28215D120	1	135	64	2"	3/4"	200	5.5	3	20'	M
MESPD100MH4 20	28215D115	1	135	64	2"	3/4"	460	2.5	3	20'	M
MESPD100MH5 20	28215D114	1	135	64	2"	3/4"	575	2.0	3	20'	M

Optional 3" Discharge Flange available.



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