

## Technical Data Sheet

# Variable Speed Pump Kits

These variable speed pumps are specifically selected for hydronic heating. They are ideal for the boiler loop of Modulex EXT and AM Series Boiler installations. The pump interfaces with MLX EXT to control speed or pressure (0-10V signal). The pump also operates on constant pressure setpoint for AM Boiler applications. The pumps are in line, flanged wet rotor circulator for ease of maintenance with a cast iron body.

### Features

- In-line, wet rotor pump design
- Cast Iron Body
- Stainless Steel shaft
- Graphic display
- Interface connection for extending built in functions
- Max. working pressure: 145 psi
- Max. operating temperature: 230°F



Actual pump may vary from illustration

### Selection Tables

	50°F Temp Rise			40°F Temp Rise			30°F Temp Rise			20°F Temp Rise		
	Flow (GPM)	ΔP (Ft/Hd)	Pump Kit	Flow (GPM)	ΔP (Ft/Hd)	Pump Kit	Flow (GPM)	ΔP (Ft/Hd)	Pump Kit	Flow (GPM)	ΔP (Ft/Hd)	Pump Kit
EXT 321	12	1.6	99207-1	15	2.4	99207-1	20	4.2	99207-1	28	8.6	99207-1
EXT 481	18	2.1	99207-2	22	3.3	99207-2	30	5.7	99207-2	42	11.8	99207-2
EXT 641	24	1.7	99207-3	30	2.6	99207-3	39	4.6	99207-3	56	9.2	99207-3
EXT 802	30	1.6	99207-3	37	2.6	99207-3	49	4.6	99207-3	71	9.7	99207-3
EXT 962	35	1.7	99207-4	44	2.7	99207-4	59	4.8	99207-4	85	10	99207-4
EXT 1123	41	1.8	99207-4	52	2.7	99207-4	69	4.8	99207-4	99	9.5	99207-4

	50°F Temp Rise			40°F Temp Rise			30°F Temp Rise			25°F Temp Rise		
	Flow (GPM)	ΔP (Ft/Hd)	Pump Kit	Flow (GPM)	ΔP (Ft/Hd)	Pump Kit	Flow (GPM)	ΔP (Ft/Hd)	Pump Kit	Flow (GPM)	ΔP (Ft/Hd)	Pump Kit
EXT 1530	56	2.6	99207-5	70	3.6	99207-5	94	5.2	99207-5	113	7.9	99207-5
EXT 1912	70	2.8	99207-5	88	4.3	99207-5	117	7.2	99207-5	141	11.8	99207-5
EXT 2295	84	3.3	99207-5	106	4.9	99207-5	141	9.5	99207-5	169	16.4	99207-5
EXT 2677	99	3.6	99207-5	123	5.2	99207-5	164	9.8	99207-5	197	17.7	99207-5
EXT 3060	113	3	99207-5	141	4.6	99207-5	188	8.5	99207-5	225	13.1	99207-5

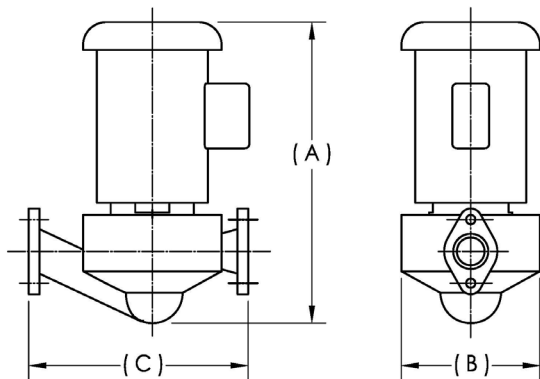
	100°F Temp Rise			70°F Temp Rise			50°F Temp Rise			40°F Temp Rise		
	Flow [GPM]	ΔP [Ft/Hd]	Pump Kit	Flow [GPM]	ΔP [Ft/Hd]	Pump Kit	Flow [GPM]	ΔP [Ft/Hd]	Pump Kit	Flow [GPM]	ΔP [Ft/Hd]	Pump Kit
AM 399	7	3	99251-1	10	3	99251-1	14.7	5	99251-1	18.4	7.5	99251-1
AM 500	9	4	99251-1	13	7	99251-1	18.4	8	99251-1	23	13	99251-1
AM 750	14	5	99251-1	20	7	99251-1	27.6	13	99251-1	34.5	18.5	99251-2
AM 1000	18	3	99251-1	26	5.5	99251-1	36.8	10	99251-2	46	15	99251-2

	30°F Temp Rise			25°F Temp Rise		
	Flow [GPM]	ΔP [Ft/Hd]	Pump Kit	Flow [GPM]	ΔP [Ft/Hd]	Pump Kit
AM 399	24.5	13	99251-1	29.4	19	99251-2
AM 500	30.7	25	99251-2	36.8	35	99251-2
AM 750	46	30	99251-2	55.2	41.5	99251-4
AM 1000	61.3	27	99251-3	73.6	39	99251-4

See Primary loop design guide C400.2 (MLX EXT) and C400.3 (AM Boiler) for details.

## Dimensions

	Electrical Requirement	FLA	hp	Flange Size	A	B	C
99207-1	230V/IPH/60Hz	0.78A	1/12	1-1/4" NPT	8-13/16"	8-1/16"	6-1/2"
99207-2	230V/IPH/60Hz	1.2A	1/8	1-1/4" NPT	8-13/16"	8-1/16"	6-1/2"
99207-3	230V/IPH/60Hz	1.37A	1/4	1-1/4" NPT	9-7/8"	8-15/16"	8-1/2"
99207-4	230V/IPH/60Hz	2.01A	1/2	1-1/2" NPT	12-3/8"	10-1/16"	10"
99207-5	230V/IPH/60Hz	6.8A	1-3/4	3" 125# FLG	16-1/2"	12-9/16"	14"
99251-1	230V/IPH/60Hz	1.37A	1/4	1-1/2" NPT	9-7/8"	8-15/16"	8-1/2"
99251-2	230V/IPH/60Hz	2.01A	1/2	1-1/2" NPT	12-3/8"	10-1/16"	10"
99251-3	230V/IPH/60Hz	0.78A	1/12	1-1/4" NPT	8-13/16"	8-1/16"	6-1/2"
99251-4	208-230V/IPH/60Hz	5.68A	1-1/2	2-1/2" 125# FLG	16"	11.7"	13.4"



Actual pump may vary from illustration. Pump supplied may be from Wilo or Grundfos.



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