

LINEAR SERIES

Pumps and Compressors Oil-Less

MODELS:

Standard models available.

5006, 5015, 5020

5030-A, 5040-A, 5060-A

5078S, 5080S, 5100S, 5120S, 5150S, 5200S

FEATURES:

- Low power consumption — high efficiency
- Quiet operation
- Low starting current draw
- Low vibration
- Low pulsations
- Few moving parts
- No bearings
- Automatic pressure limitation
- No wearing surface — low cost to rebuild
- Variable Performance Electronic Controller available
- UL Component Recognized

BENEFITS:

- Low operating cost
- Oil-less design
- Low maintenance
- No expensive sound insulation required
- Less heat
- Low pulsations
- No expensive anti-vibration mounts
- No need for pulsation chamber
- Less friction and heat — longer life
- No wearing surface — low cost to rebuild
- Easily adjusts air flow performance to exact requirements

Consult factory for custom applications

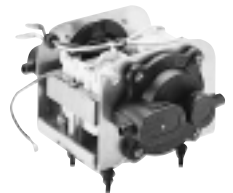
5030-A
5040-A
5060-A



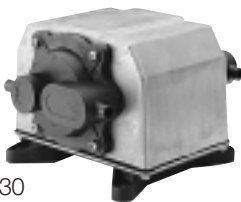
5030V-A
5040V-A
5060V-A



5030MO
5040MO
5060MO
5070MO



5030SE
5040SE
5050SE
5030SE/230



5080SE
5100SE
5120SE



5150SE
5200SE



5006V
5015V
5020V



5006
5015
5020



5150S
5200S



5078S
5080S
5100S
5120S



ISO 9001
CERTIFIED

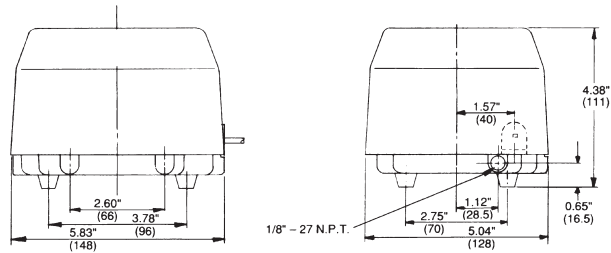
 **THOMAS**
PUMPS & COMPRESSORS

LINEAR SERIES PERFORMANCE DATA:

		STANDARD				STANDARD				STANDARD			
MODEL NUMBER:		5006				5015				5020			
MANUFACTURING CODE:		150018				150026				150000			
HEAD CONFIGURATION:		Pressure Only				Pressure Only				Pressure Only			
VOLTAGE/HERTZ/PHASE:		115/60/1				115/60/1				115/60/1			
PRESSURE:													
CFM @ PSI		LPM @ bar											
PSI	bar	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS
0	0	.89	25.2	.1	6	1.06	30.0	.2	10	1.24	35.1	.3	12
1	.1	.48	9.4	.1	5	.79	18.4	.2	10	1.00	24.7	.3	14
2	.2	.15	0.4	.1	3	.48	6.2	.2	9	.72	12.5	.3	13
3	.3					.19		.2	6	.41	1.4	.3	11
4	.4									.16		.3	8
MAX. CONTINUOUS PRESSURE:		2.0 PSI		.14 bar		2.5 PSI		.17 bar		3.0 PSI		.21 bar	
MAX. INTERMITTENT PRESSURE:		2.6 PSI		.17 bar		3.8 PSI		.26 bar		4.5 PSI		.31 bar	
NET WEIGHT:		5.4 lbs.		2.4 kg		5.5 lbs.		2.5 kg		5.5 lbs.		2.5 kg	

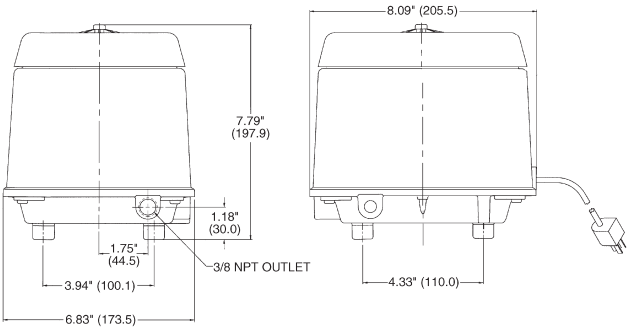
		STANDARD				STANDARD				STANDARD			
MODEL NUMBER:		5030-A				5040-A				5060-A			
MANUFACTURING CODE:		150035				150037				150039			
HEAD CONFIGURATION:		Pressure Only				Pressure Only				Pressure Only			
VOLTAGE/HERTZ/PHASE:		115/60/1				115/60/1				115/60/1			
PRESSURE:													
CFM @ PSI		LPM @ bar											
PSI	bar	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS
0	0	2.00	56.6	.7	33	2.30	65.1	1.0	44	3.20	90.6	1.5	69
1	.1	1.62	40.5	.7	32	1.96	50.7	.9	43	2.80	73.9	1.4	67
2	.2	1.20	21.0	.6	27	1.58	33.0	.9	38	2.38	54.6	1.4	63
3	.3	.69		.6	22	1.12	12.0	.8	32	1.88	34.1	1.3	57
4	.4	.14		.6	14	.60		.8	24	1.40	11.8	1.2	49
5	.5					.10		.8	15	.84		1.2	40
6										.31		1.1	29
7													
MAX. CONTINUOUS PRESSURE:		3.0 PSI		.21 bar		3.5 PSI		.24 bar		4.0 PSI		.28 bar	
MAX. INTERMITTENT PRESSURE:		4.2 PSI		.29 bar		5.1 PSI		.35 bar		6.3 PSI		.43 bar	
NET WEIGHT:		11.5 lbs.		5.2 kg		12.0 lbs.		5.4 kg		13.5 lbs.		6.1 kg	

DIMENSIONS: Millimeters are in ()



5006
5015

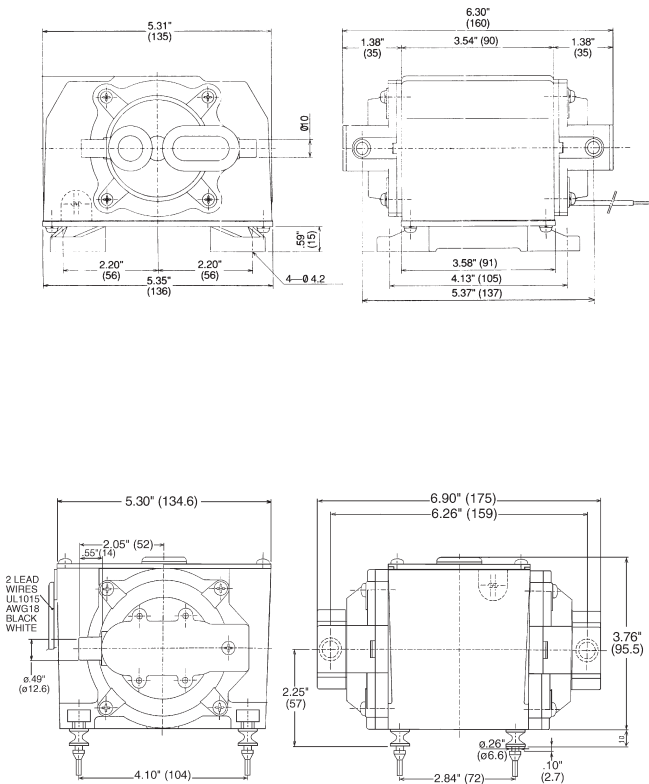
5020



5030-A 5060-A
5040-A

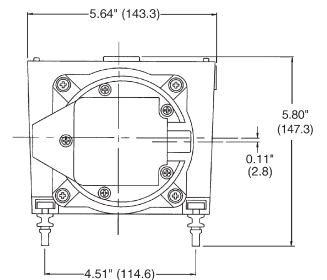
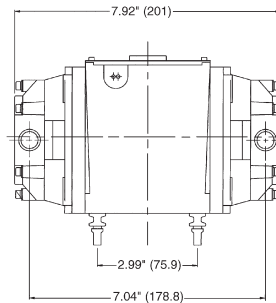
LINEAR SERIES PERFORMANCE DATA:

MODEL NUMBER:		5030SE				5030SE/230				5040SE			
MANUFACTURING CODE:		150019				150032				150020			
HEAD CONFIGURATION:		Pressure Only				Pressure Only				Pressure Only			
VOLTAGE/HERTZ/PHASE:		115/60/1				230/60/1				115/60/1			
PRESSURE:													
CFM @ PSI	LPM @ bar												
PSI	bar	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS
0	0	2.10	59.5	.8	28	2.10	59.5	.40	28	2.74	77.6	1.0	41
1	.1	1.65	40.5	.7	28	1.65	40.5	.35	28	2.18	54.1	.9	41
2	.2	1.16	19.1	.7	24	1.16	19.1	.35	24	1.58	29.2	.9	35
3	.3	.62	1.5	.6	19	.62	1.5	.30	19	.97	8.2	.8	27
4	.4	.18		.6	13	.18		.30	13	.42		.8	19
5	.5									.05		.8	13
MAX. CONT. PRESSURE:		3.0 PSI		.21 bar		3.0 PSI		.21 bar		3.5 PSI		.24 bar	
MAX. INT. PRESSURE:		4.5 PSI		.31 bar		4.5 PSI		.31 bar		5.1 PSI		.35 bar	
NET WEIGHT:		5.3 lbs.		2.4 kg		5.3 lbs.		2.4 kg		6.0 lbs.		2.7 kg	

[illegible]

5030SE
5040SE
5050SE
5030SE/230

5150SE
5200SE



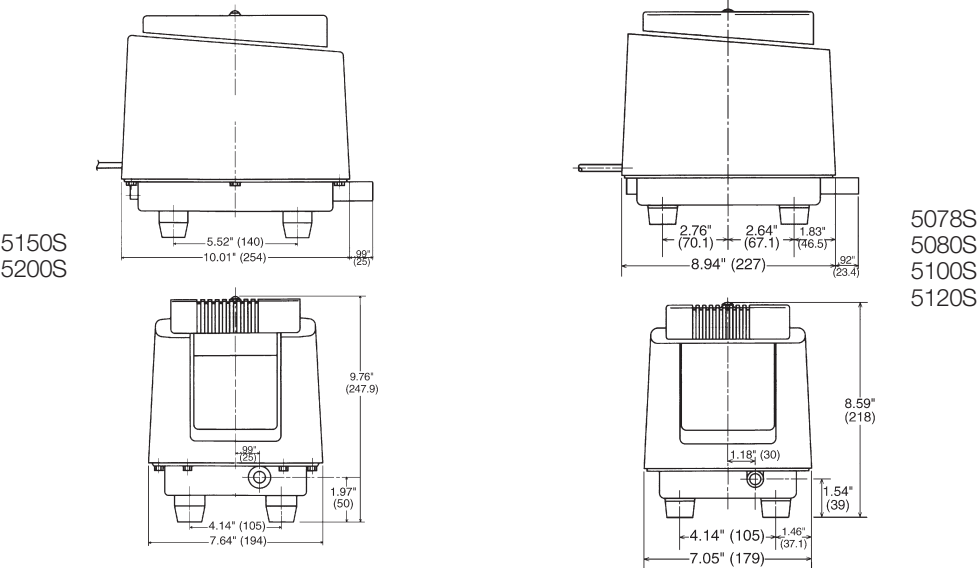
5080SE
5100SE
5120SE

LINEAR SERIES PERFORMANCE DATA:

		STANDARD				STANDARD				STANDARD				STANDARD			
MODEL NUMBER:		5078S				5080S				5100S				5120S			
MANUFACTURING CODE:		150074				150043				150044				150045			
HEAD CONFIGURATION:		Pressure Only				Pressure Only				Pressure Only				Pressure Only			
VOLTAGE/HERTZ/PHASE:		115/60/1				115/60/1				115/60/1				115/60/1			
PRESSURE:																	
CFM @ PSI	LPM @ bar																
PSI	bar	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS
0	0	3.60	101.9	2.3	85	3.97	112.4	2.1	87	4.62	130.8	2.7	107	5.67	160.6	2.8	157
1	.1	3.45	94.5	2.3	90	3.73	100.4	2.0	88	4.37	118.6	2.6	110	5.38	146.5	2.6	154
2	.2	3.20	79.1	2.1	92	3.32	79.5	1.9	84	3.97	98.1	2.5	108	4.92	124.0	2.5	148
3	.3	2.75	52.0	2.0	85	2.75	49.8	1.8	76	3.41	68.7	2.3	99	4.32	95.1	2.3	135
4	.4	2.10	19.0	1.9	75	2.04	14.5	1.6	62	2.71	34.8	2.1	85	3.64	61.4	2.1	119
5	.5	1.35		1.8	62	1.24		1.5	46	1.90		2.0	67	2.84	26.5	2.0	97
6	.6	.50		1.7	43	.33		1.5	27	1.06		1.9	46	2.00		1.8	74
7	.7													1.16		1.7	49
MAX. CONTINUOUS PRESSURE:		3.5 PSI		.24 bar		3.5 PSI		.24 bar		4.0 PSI		.28 bar		4.5 PSI		.31 bar	
MAX. INTERMITTENT PRESSURE:		6.3 PSI		.43 bar		6.3 PSI		.43 bar		7.2 PSI		.50 bar		8.3 PSI		.57 bar	
NET WEIGHT:		18.5 lbs.		8.4 kg		18.5 lbs.		8.4 kg		18.5 lbs.		8.4 kg		18.5 lbs.		8.4 kg	

		STANDARD				STANDARD			
MODEL NUMBER:		5150S				5200S			
MANUFACTURING CODE:		150046				150047			
HEAD CONFIGURATION:		Pressure Only				Pressure Only			
VOLTAGE/HERTZ/PHASE:		115/60/1				115/60/1			
PRESSURE:									
CFM @ PSI	LPM @ bar								
PSI	bar	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS
0	0	7.73	218.9	2.9	168	9.55	270.4	4.6	261
1	.1	7.10	188.2	2.8	158	8.78	239.3	4.4	251
2	.2	6.09	144.9	2.6	148	8.05	204.0	4.2	235
3	.3	5.01	100.1	2.4	129	7.11	155.8	3.9	216
4	.4	4.20	29.3	2.2	103	5.90	102.4	3.7	191
5	.5	2.30		2.0	74	4.76	35.6	3.4	161
6	.6	.72		2.0	41	3.33		3.2	125
7	.7					1.61		3.1	80
8	.8					.20		3.4	47
MAX. CONT. PRESSURE:		3.5 PSI		.24 bar		4.5 PSI		.31 bar	
MAX. INT. PRESSURE:		6.6 PSI		.45 bar		8.2 PSI		.56 bar	
NET WEIGHT:		25.5 lbs.		11.6 kg		25.5 lbs.		11.6 kg	

DIMENSIONS: Millimeters are in ()

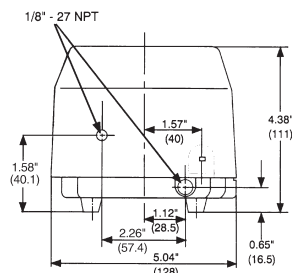


LINEAR SERIES PERFORMANCE DATA:

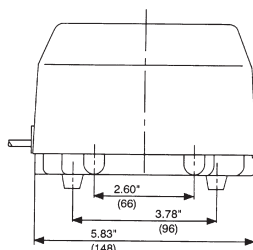
MODEL NUMBER:		5006V					5015V				5020V			
MANUFACTURING CODE:		150024					150025				150001			
HEAD CONFIGURATION:		Pressure/Vacuum					Pressure/Vacuum				Pressure/Vacuum			
VOLTAGE/HERTZ/PHASE:		115/60/1					115/60/1				115/60/1			
PRESSURE:														
CFM @ PSI	LPM @ bar													
PSI	bar	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	
0	0	.94	26.6	.1	6	1.11	31.4	.2	8	1.16	32.8	.2	11	
1	.1	.51	10.2	.1	6	.84	19.6	.2	10	.92	22.2	.3	13	
2	.2	.18		.1	4	.51	6.5	.2	8	.62	9.1	.3	12	
3	.3					.20		.2	6	.29	0.3	.3	9	
4	.4									.09		.3	7	
MAX. CONTINUOUS PRESSURE:		2.0 PSI		.14 bar			2.5 PSI		.17 bar		3.0 PSI		.21 bar	
MAX. INTERMITTENT PRESSURE:		2.7 PSI		.18 bar			3.8 PSI		.26 bar		4.4 PSI		.30 bar	
VACUUM:														
CFM @ IN.hg	LPM @ mbar													
IN.hg	mbar (gauge)	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	
0	0	.94	26.6	.1	6	1.11	31.4	.2	9	1.16	32.8	.2	11	
2.5	-50	.40	17.6	.1	5.7	.69	24.4	.2	11	.39	19.9	.3	11	
5	-100	.09	9.7	.1	3	.31	17.6	.2	8					
MAX. CONTINUOUS VACUUM:		4.0" hg		-135 mbar			5.5" hg		-186 mbar		6.0" hg		-203 mbar	
MAX. INTERMITTENT VACUUM:		5.8" hg		-196 mbar			8.0" hg		-270 mbar		8.5" hg		-287 mbar	
NET WEIGHT:		5.4 lbs.		2.4 kg			5.5 lbs.		2.5 kg		5.5 lbs.		2.5 kg	

MODEL NUMBER:		5030V-A				5040V-A				5060V-A			
MANUFACTURING CODE:		150036				150038				150040			
HEAD CONFIGURATION:		Pressure/Vacuum				Pressure/Vacuum				Pressure/Vacuum			
VOLTAGE/HERTZ/PHASE:		115/60/1				115/60/1				115/60/1			
PRESSURE:													
CFM @ PSI	LPM @ bar												
PSI	bar	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS
0	0	1.96	55.5	.7	27	2.26	64.0	1.0	37	3.21	90.9	1.6	62
1	.1	1.57	39.2	.7	28	1.90	49.5	.9	38	2.85	76.2	1.5	63
2	.2	1.16	20.6	.6	25	1.56	32.5	.9	36	2.50	60.6	1.5	61
3	.3	.68		.6	20	1.10	13.6	.8	31	2.10	42.1	1.4	57
4	.4	.15		.6	12	.68		.7	24	1.63	22.8	1.3	49
5	.5									1.22		1.2	40
6	.6									.70		1.1	28
7	.7												
MAX. CONTINUOUS PRESSURE:		3.0 PSI		.21 bar		3.5 PSI		.24 bar		4.0 PSI		.28 bar	
MAX. INTERMITTENT PRESSURE:		4.3 PSI		.30 bar		5.2 PSI		.36 bar		7.0 PSI		.48 bar	
VACUUM:													
CFM @ IN.hg	LPM @ mbar												
IN.hg	mbar (gauge)	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS
0	0	1.93	54.7	.7	27	2.22	62.9	1.0	36	3.11	88.1	1.6	63
5	-100	.86	36.8	.6	24	1.23	54.7	.8	36	2.04	70.2	1.4	64
10	-200		18.8			.21	29.6	.7	17	.94	52.1	1.1	46
15	-400										14.3		
MAX. CONTINUOUS VACUUM:		6.0" hg		-203 mbar		7.5" hg		-253 mbar		9.5" hg		-321 mbar	
MAX. INTERMITTENT VACUUM:		9.0" hg		-304 mbar		10.9" hg		-368 mbar		13.9" hg		-469 mbar	
NET WEIGHT:		12.5 lbs.		5.7 kg		13.0 lbs.		5.9 kg		14.5 lbs.		6.6 kg	

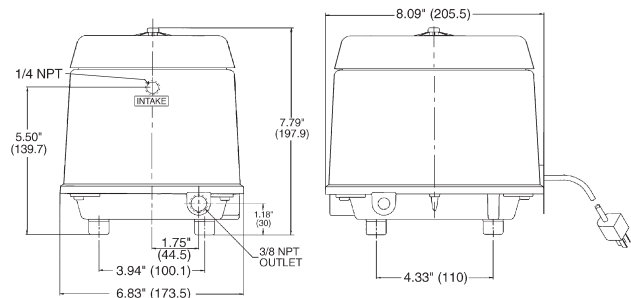
DIMENSIONS: Millimeters are in ()



5006V
5015V
5020V



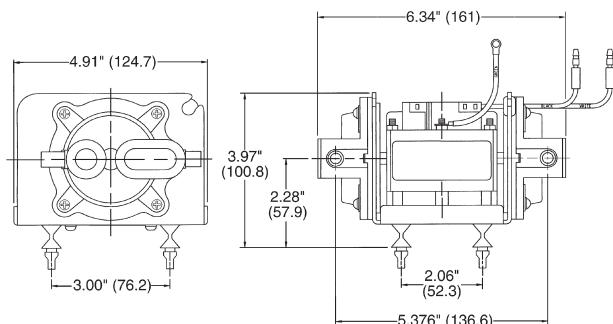
5030V-A
5040V-A
5060V-A



LINEAR SERIES PERFORMANCE DATA:

MODEL NUMBER:		5030MO				5040MO				5060MO				5070MO			
MANUFACTURING CODE:		150005				150008				150011				150034			
HEAD CONFIGURATION:		Pressure Only				Pressure Only				Pressure Only				Pressure Only			
VOLTAGE/HERTZ/PHASE:		115/60/1				115/60/1				115/60/1				115/60/1			
PRESSURE:																	
CFM @ PSI	LPM @ bar																
PSI	bar	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS	CFM	LPM	AMPS	WATTS
0	0	2.10	59.5	.8	28	2.74	77.6	1.0	41	3.39	96.0	1.6	65	3.92	111.0	2.1	89
1	.1	1.65	40.5	.7	28	2.18	54.1	.9	41	2.98	78.0	1.5	63	3.49	93.7	2.0	86
2	.2	1.16	19.1	.7	24	1.58	29.2	.9	35	2.48	59.0	1.5	62	3.09	78.6	1.9	84
3	.3	.62	1.5	.6	19	.97	8.2	.8	27	2.04	39.1	1.4	59	2.74	58.0	1.8	78
4	.4	.18		.6	13	.42		.8	19	1.56	19.7	1.3	52	2.22	37.7	1.7	71
5	.5					.05		.8	13	1.11		1.2	40	1.73	16.2	1.6	62
6	.6									.59		1.1	26	1.23		1.5	48
7	.7													.74		1.5	36
MAX. CONTINUOUS PRESSURE:		3.0 PSI		.21 bar		3.5 PSI		.24 bar		4.0 PSI		.28 bar		4.5 PSI		.31 bar	
MAX. INTERMITTENT PRESSURE:		4.5 PSI		.31 bar		5.1 PSI		.35 bar		6.9 PSI		.48 bar		8.1 PSI		.56 bar	
NET WEIGHT:		5.3 lbs.		2.4 kg		6.0 lbs.		2.7 kg		7.0 lbs.		3.2 kg		8.0 lbs.		3.6 kg	

DIMENSIONS: Millimeters are in ()



5030MO
5040MO
5060MO
5070MO

The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable and is offered as an aid to help in the selection of Thomas products. It is the responsibility of the user to determine the suitability of the product for his intended use and the user assumes all risk and liability whatsoever in connection therewith. Thomas Industries does not warrant, guarantee or assume any obligation or liability in connection with this information.

Note: Models pictured are representative of the series and do not represent a specific model number. Consult factory for detailed physical description.

