

Sutorbilt Legend Pressure Performance Data

LOW PRESSURE UNITS	SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	2 PSIG		3 PSIG		4 PSIG		5 PSIG		6 PSIG		7 PSIG	
					CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
					2LP 2LVP	2"-S	0.035	2,800 3,250 3,560 5,275	76 91 102 162	1.1 1.3 1.4 2.0	71 86 97 157	1.6 1.8 2.0 2.8	67 82 93 153	2.1 2.4 2.6 3.7	63 79 89 149	2.5 2.9 3.2 4.6
3LP 3LVP	2½"-S	0.104	1,760 2,265 2,770 3,600	149 202 254 341	1.9 2.4 2.9 3.7	142 194 247 333	2.8 3.5 4.3 5.3	135 188 240 327	3.7 4.7 5.5 7.1	130 182 235 321	4.5 5.6 6.8 8.9	124 177 230 316	5.2 6.7 8.2 10.6	120 172 225 311	6.1 7.8 9.6 12.4	
4LP 4LVP	3"-S	0.170	1,760 2,190 2,620 3,600	253 326 400 566	3.0 3.7 4.4 5.8	243 316 389 547	4.5 5.3 6.3 8.7	234 307 381 547	5.7 7.1 8.4 11.6	227 300 373 539	7.1 8.8 10.6 14.5	220 293 366 533	8.5 10.6 12.7 17.4	213 286 360 526	9.9 12.4 14.8 20.3	
5LP 5LVP	4"-S	0.350	1,500 1,760 2,100 2,850	463 554 673 936	5.2 5.8 7.0 9.5	449 540 659 922	7.5 8.8 10.5 14.2	438 529 648 910	10.0 11.7 13.9 18.9	427 518 637 900	12.4 14.6 17.4 23.6	418 509 628 890	14.9 17.5 20.9 28.4	409 500 619 882	17.4 20.4 24.4 33.1	
6LP 6LVP	6"-F	0.718	1,170 1,760 1,930 2,350	739 1,162 1,284 1,586	8.0 12.0 13.1 16.0	716 1,139 1,261 1,563	11.9 18.0 19.7 24.0	697 1,120 1,242 1,544	15.9 24.0 26.3 32.0	680 1,103 1,225 1,527	19.9 29.9 32.8 40.0	664 1,088 1,210 1,512	23.9 35.9 39.4 48.0	650 1,074 1,196 1,497	27.9 41.9 46.0 56.0	
7LP 7LVP	8"-F	1.200	1,170 1,465 1,760 2,050	1,277 1,631 1,985 2,333	13.3 16.7 20.0 23.3	1,248 1,602 1,956 2,304	20.0 25.0 30.0 35.0	1,224 1,578 1,932 2,280	16.6 33.3 40.0 46.6	1,203 1,557 1,911 2,259	33.3 41.7 50.1 58.3	1,184 1,538 1,892 2,240	39.9 50.0 60.1 70.0			
8LP 8LVP	10"-F	1.740	880 1,170 1,375 1,800	1,366 1,871 2,228 2,967	14.5 19.3 22.7 29.7	1,329 1,834 2,191 2,930	21.8 28.9 34.0 44.5	1,298 1,803 2,159 2,899	29.0 38.6 45.4 59.4	1,271 1,775 2,132 2,871	36.3 48.2 56.7 74.2	1,246 1,750 2,107 2,847	43.5 57.9 68.0 89.1			

MEDIUM PRESSURE UNITS	SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	7 PSIG		9 PSIG		10 PSIG		12 PSIG		13 PSIG		14 PSIG	
					CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
					2MP 2MVP	1"-S	0.017	2,800 3,250 3,560 5,275	25 33 38 67	1.7 1.9 2.1 3.1	22 30 35 64	2.1 2.5 2.7 3.9	28 34 34 63	2.7 3.0 3.0 4.4	60	5.1
3MP 3MVP	2"-S	0.060	1,760 2,265 2,770 3,600	64 95 125 175	3.6 4.6 5.5 7.2	59 89 119 169	4.6 5.8 7.1 9.2	87 117 117 167	6.4 7.9 7.9 10.2	112	9.5	162	12.3			
4MP 4MVP	2½"-S	0.117	1,760 2,190 2,620 3,600	144 194 245 359	6.8 8.5 10.2 14.0	136 186 236 351	8.8 10.9 13.1 18.0	132 182 233 347	9.8 12.1 14.5 20.0							
5MP 5MVP	4"-S	0.210	1,500 1,760 2,100 2,850	237 292 363 521	10.5 12.3 14.6 19.9	227 281 353 510	13.4 15.8 18.8 25.5	222 277 348 506	14.9 17.5 20.9 28.4	213	17.9	209	19.4			
6MP 6MVP	5"-S	0.383	1,170 1,760 1,930 2,350	332 558 622 784	14.9 22.4 24.5 29.9	316 542 607 768	19.1 28.8 31.5 38.4	309 535 600 761	21.2 32.0 35.0 42.7	296	25.5	289	27.6	283	29.7	
7MP 7MVP	6"-F	0.733	1,170 1,465 1,760 2,050	693 909 1,125 1,338	28.5 35.6 42.8 49.9	671 887 1,103 1,316	36.6 45.8 55.0 64.1	661 877 1,093 1,306	40.7 50.9 61.1 71.2							
8MP 8MVP	8"-F	1.040	880 1,170 1,375 1,800	709 1,011 1,224 1,666	30.4 40.4 47.4 62.1	681 983 1,196 1,638	39.0 51.9 61.0 79.9	669 970 1,183 1,625	43.4 57.7 67.8 88.7							

HIGH PRESSURE UNITS	SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	7 PSIG		8 PSIG		9 PSIG		11 PSIG		13 PSIG		15 PSIG	
					CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
					3HP 3HVP	1¼"-S	0.045	1,760 2,265 2,770 3,600	46 69 91 129	2.6 3.4 4.1 5.4	44 66 89 126	3.0 3.9 4.7 6.1	41 64 87 124	3.4 4.3 5.3 6.9	60	5.3
4HP 4HVP	1½"-S	0.069	1,760 2,190 2,620 3,600	80 110 139 207	4.0 5.0 6.0 8.2	77 107 137 204	4.6 5.7 6.9 9.4	74 104 134 201	5.2 6.4 7.7 10.6	99	7.9	129	9.4	192	15.3	
5HP 5HVP	2½"-S	0.140	1,500 1,760 2,100 2,850	154 191 238 343	7.0 8.2 9.8 13.2	151 187 235 340	8.0 9.3 11.1 15.1	147 183 231 336	9.0 10.5 12.5 17.0	140	10.9	196	13.0	329	20.8	
6HP 6HVP	3"-S	0.227	1,170 1,760 1,930 2,350	188 321 360 455	8.8 13.3 14.5 17.7	182 316 355 450	10.1 15.1 16.6 20.2	177 311 350 445	11.3 17.0 18.7 22.8	168	13.8	302	20.8	436	27.8	
7HP 7HVP	4"-S	0.367	1,170 1,465 1,760 2,050	332 441 549 655	14.2 17.8 21.4 25.0	326 434 542 649	16.3 20.4 24.5 28.5	319 428 536 642	18.3 22.9 27.6 32.1	308	22.4	416	28.0	631	39.2	
8HP 8HVP	4"-S	0.566	880 1,170 1,375 1,800	363 528 644 884	16.5 22.0 25.8 33.8	354 518 634 875	18.9 25.1 29.5 38.6	345 509 626 866	21.2 28.3 33.2 43.5	329	26.0	493	34.5	609	53.1	

Performance based on standard conditions: Sea Level, 14.7 PSIA, 68°F Inlet Temperature, 36% Relative Humidity. For performance with gases other than air or at non-standard conditions, contact your Authorized Sutorbilt representative. S=Screwed connections std. NPT. F=flange connections. Intake and outlet pipe connections are same type and size.