

# Pressure Performance Data

## 30 Series

MODEL	RPM	4 PSIG		6 PSIG		8 PSIG		10 PSIG		12 PSIG		15 PSIG	
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
3004	2,950	94	2.5	85	3.7	78	4.8	72	6.0	66	7.1	85	10.8
	3,550	121	3.1	112	4.5	105	5.9	99	7.3	93	8.7		
	4,000	141	3.6	133	5.2	125	6.8	119	8.3	113	9.9		
3006	2,950	146	3.7	133	5.4	123	7.2	114	8.9	105	10.7	135	16.1
	3,550	186	4.6	174	6.7	164	8.8	154	10.9	146	13.0		
	4,000	217	5.2	205	7.6	194	10.0	185	12.4	177	14.7		

## 45 Series

MODEL	RPM	4 PSIG		6 PSIG		8 PSIG		10 PSIG		12 PSIG		15 PSIG	
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
4504	1,750	137	3.7	123	5.4	112	7.2	102	8.9	93	10.6	216	23.1
	2,950	271	7.3	258	10.2	247	13.0	237	15.9	228	18.8		
	4,000	389	11.6	375	15.5	364	19.4	354	23.3	345	27.2		
4506	1,750	214	5.5	196	8.1	181	10.6	167	13.2	155	15.8	340	34.3
	2,950	415	10.5	397	14.8	382	19.1	369	23.5	357	27.8		
	4,000	592	16.3	574	22.2	559	28.0	545	33.9	533	39.8		
4509	1,750	324	8.4	297	12.2	275	16.1	255	19.9	238	23.8	516	51.9
	2,950	626	16.3	600	22.7	577	29.2	558	35.7	540	42.2		
	4,000	891	25.8	864	34.6	842	43.4	822	52.1	805	60.9		
4512	1,750	454	11.0	424	16.2	399	21.3	377	26.4	357	31.5	329	39.2
	2,950	858	21.0	828	29.6	802	38.3	780	46.9	760	55.5		
	4,000	1,210	32.6	1,180	44.4	1,155	56.1	1,133	67.8	1,113	79.5		
4518	1,750	696	16.3	654	24.0	618	31.7	587	39.3				
	2,950	1,300	30.2	1,259	43.1	1,223	56.1	1,192	69.1				
	4,000	1,830	45.8	1,788	63.3	1,752	80.9	1,721	98.5				

## 70 Series

MODEL	RPM	4 PSIG		6 PSIG		8 PSIG		10 PSIG		12 PSIG		15 PSIG	
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
7009	1,500	622	15.8	563	23.5	513	31.2	469	38.9	429	46.7	552	70.1
	1,800	799	19.1	740	28.4	690	37.7	646	46.9	606	56.2		
	2,650	1,300	29.3	1,241	42.9	1,191	56.5	1,147	70.2	1,108	83.8		
7012	1,500	853	21.0	779	31.4	716	41.7	660	52.0	610	62.4	779	93.6
	1,800	1,090	25.4	1,016	37.8	953	50.2	897	62.6	847	75.0		
	2,650	1,762	38.5	1,687	56.8	1,624	75.0	1,569	93.3	1,519	111.5		
7015	1,500	1,088	26.0	1,002	38.8	929	51.6	866	64.5	808	77.3	1,024	116.0
	1,800	1,382	31.4	1,296	46.8	1,223	62.2	1,160	77.5	1,102	92.9		
	2,650	2,215	47.3	2,129	69.9	2,056	92.6	1,993	115.2	1,935	137.9		
7018	1,500	1,322	31.2	1,221	46.7	1,136	62.1	1,061	77.5	993	93.0	1,211	139.5
	1,800	1,676	37.7	1,575	56.2	1,490	74.7	1,415	93.2	1,308	111.8		
	2,650	2,679	56.5	2,578	83.8	2,493	111.1	2,418	138.3	2,310	165.6		
7023	1,500	1,709	41.9	1,578	61.6	1,479	81.4	1,386	101.1	1,303	120.9		
	1,800	2,162	51.5	2,037	75.2	1,932	98.9	1,839	122.6	1,756	146.3		
	2,650	3,370	80.8	3,245	115.0	3,140	149.2	3,047	183.5	2,964	217.7		
7028	1,500	2,094	51.4	1,944	75.4	1,818	99.5	1,707	123.6				
	1,800	2,646	63.4	2,496	92.2	2,370	121.1	2,259	150.0				
	2,600	4,118	100.3	3,968	142.0	3,842	183.8	3,731	225.5				

Performance based on inlet air at standard temperature of 68° F, an ambient pressure of 14.7 psia and 36% relative humidity. For performance at non-standard conditions, contact your authorized Gardner Denver representative.

# Vacuum Performance Data

## 30 Series

MODEL	RPM	4 inHg		6 inHg		8 inHg		10 inHg		12 inHg		14 inHg		15 inHg	
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
3004	2,950	104	1.3	96	1.9	88	2.5	80	3.0	72	3.6				
	3,550	131	1.7	123	2.4	115	3.1	107	3.8	99	4.5	90	5.1		
	4,000	151	2.0	143	2.8	135	3.6	127	4.4	119	5.1	110	5.9	106	6.3
3006	2,950	159	1.9	148	2.8	137	3.6	126	4.5	114	5.4	102	6.2		
	3,550	200	2.4	189	3.5	178	4.5	167	5.5	155	6.6	142	7.6	136	8.1
	4,000	231	2.8	219	4.0	208	5.2	197	6.3	186	7.5	173	8.7	166	9.2

## 45 Series

MODEL	RPM	4 inHg		6 inHg		8 inHg		10 inHg		12 inHg		14 inHg		15 inHg		16 inHg	
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
4504	1,750	151	2.0	139	2.8	127	3.6	115	4.4	103	5.2						
	2,950	286	4.2	273	5.5	262	6.8	250	8.1	237	9.4	224	10.7				
	4,000	403	7.1	391	8.8	379	10.5	367	12.1	355	13.8	341	15.5	334	16.3	326	17.1
4506	1,750	233	2.9	217	4.1	201	5.3	185	6.6	168	7.8						
	2,950	435	5.8	418	7.8	402	9.8	386	11.8	369	13.8	351	15.8	341	16.8	330	17.8
	4,000	611	9.7	595	12.3	579	14.9	563	17.5	546	20.0	527	22.6	517	23.9	507	25.2
4509	1,750	352	4.4	328	6.2	305	8.1	281	9.9	257	11.7						
	2,950	655	9.2	631	12.2	607	15.1	584	18.1	559	21.1	532	24.0	517	25.5	502	27.0
	4,000	919	15.7	895	19.5	872	23.3	848	27.0	824	30.8	797	34.6	782	36.5	766	38.4
4512	1,750	487	5.7	459	8.2	433	10.6	406	13.1	378	15.6	347	18.0				
	2,950	890	11.7	863	15.7	836	19.7	809	23.7	781	27.7	750	31.7	734	33.7	716	35.7
	4,000	1,243	19.5	1,215	24.6	1,189	29.8	1,162	34.9	1,134	40.0	1,103	45.2	1,087	47.8	1,069	50.3
4518	1,750	741	8.3	703	12.0	666	15.8	628	19.5	589	23.2	546	26.9				
	2,950	1,346	16.4	1,308	22.5	1,271	28.6	1,233	34.7	1,194	40.8	1,151	46.8	1,128	49.9	1,103	52.9
	4,000	1,875	26.5	1,837	34.4	1,800	42.3	1,762	50.2	1,723	58.2	1,680	66.1	1,657	70.0	1,632	74.0

## 70 Series

MODEL	RPM	4 inHg		6 inHg		8 inHg		10 inHg		12 inHg		14 inHg		15 inHg		16 inHg	
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
7009	1,500	687	7.9	632	11.7	580	15.5	528	19.3	472	23.1	412	26.9				
	1,800	864	9.7	809	14.3	757	18.8	705	23.4	649	27.9	589	32.5				
	2,650	1,365	15.4	1,311	22.1	1,259	28.8	1,206	35.5	1,151	42.2	1,090	48.9	1,058	52.2	1,023	55.6
7012	1,500	935	10.5	866	15.6	801	20.7	734	25.7	665	30.8	589	35.9				
	1,800	1,172	12.8	1,103	18.9	1,038	25.0	971	31.1	902	37.2	826	43.3	784	46.3		
	2,650	1,844	19.9	1,775	28.9	1,709	37.9	1,634	46.8	1,573	55.8	1,497	64.8	1,456	69.3	1,412	73.7
7015	1,500	1,182	13.0	1,103	19.3	1,027	25.5	951	31.8	870	38.1	783	44.4				
	1,800	1,476	15.7	1,397	23.3	1,321	30.8	1,245	38.4	1,164	46.0	1,077	53.5	1,029	57.3		
	2,650	2,309	24.2	2,230	35.4	2,154	46.5	2,078	57.6	1,997	68.7	1,910	79.9	1,862	85.4	1,812	91.0
7018	1,500	1,432	15.5	1,340	23.1	1,251	30.7	1,161	38.3	1,067	45.9	964	53.4				
	1,800	1,786	18.8	1,694	27.9	1,605	37.0	1,515	46.1	1,421	55.2	1,318	64.3	1,262	68.9		
	2,650	2,789	28.8	2,697	42.2	2,608	55.6	2,518	69.0	2,424	82.4	2,321	95.8	2,265	102.5	2,205	109.2
7023	1,500	1,847	21.8	1,732	31.5	1,622	41.2	1,510	50.9	1,393	60.6	1,266	70.3				
	1,800	2,300	27.4	2,185	39.0	2,075	50.6	1,963	62.3	1,846	73.9	1,719	85.6	1,650	91.4		
	2,600	3,508	45.9	3,393	62.7	3,283	79.6	3,171	96.4	3,054	113.2	2,927	130.0	2,858	138.4	2,784	146.8
7028	1,500	2,258	26.9	2,121	38.7	1,989	50.5	1,855	62.4	1,715	74.2	1,563	86.0				
	1,800	2,810	34.0	2,673	48.2	2,541	62.4	2,407	76.5	2,267	90.7	2,115	104.9	2,032	112.0		
	2,600	4,282	57.9	4,145	78.4	4,013	98.9	3,879	119.4	3,739	139.8	3,587	160.3	3,504	170.6	3,415	180.8

Performance based on inlet air at standard temperature of 68° F, an ambient pressure of 14.7 psia and 36% relative humidity. For performance at non-standard conditions, contact your authorized Gardner Denver representative.