



Performance Data Model D-96A Compressor

Two-Stage, 4-1/2" and 2-5/16" Bore x 3-1/2" Stroke

Displ CFM	RPM		Discharge Pressure (PSIG)							
			80	100	125	150	175	200	225	250
13.2	400	Free Air Delivered (CFM)	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9
		Free Air Delivered (MCFD)	15.3	15.1	15.0	14.8	14.7	14.5	14.4	14.3
		HP Required	2.0	2.2	2.4	2.5	2.7	2.9	3.1	3.3
14.5	450	Free Air Delivered (CFM)	11.6	11.5	11.3	11.2	11.1	11.0	10.9	10.8
		Free Air Delivered (MCFD)	16.7	16.6	16.3	16.1	16.0	15.8	15.7	15.6
		HP Required	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6
16.1	500	Free Air Delivered (CFM)	12.8	12.7	12.6	12.4	12.3	12.2	12.1	12.0
		Free Air Delivered (MCFD)	18.4	18.3	18.1	17.9	17.7	17.6	17.4	17.3
		HP Required	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0
17.7	550	Free Air Delivered (CFM)	14.0	13.9	13.7	13.6	13.4	13.3	13.2	13.0
		Free Air Delivered (MCFD)	20.2	20.0	19.7	19.6	19.3	19.2	19.0	18.7
		HP Required	2.9	3.2	3.4	3.6	3.8	4.0	4.2	4.4
19.3	600	Free Air Delivered (CFM)	15.3	15.1	14.9	14.7	14.6	14.5	14.1	14.3
		Free Air Delivered (MCFD)	22.0	21.7	21.5	21.2	21.0	20.9	20.3	20.6
		HP Required	3.3	3.5	3.7	4.0	4.3	4.5	4.7	5.0
20.9	650	Free Air Delivered (CFM)	16.5	16.3	16.0	15.9	15.7	15.6	15.4	15.3
		Free Air Delivered (MCFD)	23.8	23.5	23.0	22.9	22.6	22.5	22.2	22.0
		HP Required	3.6	3.9	4.1	4.4	4.7	4.9	5.1	5.4
22.5	700	Free Air Delivered (CFM)	17.7	17.4	17.2	17.0	16.9	16.8	16.7	16.6
		Free Air Delivered (MCFD)	25.5	25.1	24.8	24.5	24.3	24.2	24.0	23.9
		HP Required	3.9	4.2	4.5	4.9	5.2	5.4	5.7	5.9
24.2	750	Free Air Delivered (CFM)	18.8	18.6	18.4	18.2	18.1	18.0	17.9	17.8
		Free Air Delivered (MCFD)	27.1	26.8	26.5	26.2	26.1	25.9	25.8	25.6
		HP Required	4.3	4.6	4.9	5.3	5.6	5.8	6.0	6.2
25.8	800	Free Air Delivered (CFM)	20.0	19.8	19.6	19.4	19.3	19.2	19.1	19.0
		Free Air Delivered (MCFD)	28.8	28.5	28.2	27.9	27.8	27.6	27.5	27.4
		HP Required	4.6	5.0	5.3	5.7	6.0	6.3	6.6	6.9



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Performance Data
Model D-97A Compressor

Two-Stage, 6-1/4" and 3-3/8" Bore x 3-3/4" Stroke

Displ CFM	RPM		Discharge Pressure (PSIG)							
			80	100	125	150	175	200	225	250
26.6	400	Free Air Delivered (CFM)	21.3	21.1	20.9	20.8	20.6	20.4	20.2	20.0
		Free Air Delivered (MCFD)	30.7	30.4	30.1	30.0	29.7	29.4	29.1	28.8
		HP Required	3.5	3.8	4.2	4.6	5.0	5.4	5.8	6.2
30.0	450	Free Air Delivered (CFM)	24.4	24.2	24.0	23.8	23.6	23.4	23.2	23.0
		Free Air Delivered (MCFD)	35.1	34.8	34.6	34.3	34.0	33.7	33.4	33.1
		HP Required	4.3	4.6	5.1	5.5	6.0	6.4	6.9	7.3
33.3	500	Free Air Delivered (CFM)	27.5	27.3	27.1	26.9	26.6	26.4	26.2	26.0
		Free Air Delivered (MCFD)	39.6	39.3	39.0	38.7	38.3	38.0	37.7	37.4
		HP Required	5.0	5.4	5.9	6.4	6.8	7.4	7.9	8.4
36.6	550	Free Air Delivered (CFM)	30.3	30.1	29.9	29.6	29.4	29.2	29.0	28.8
		Free Air Delivered (MCFD)	43.6	43.3	43.1	42.6	42.3	42.0	41.8	41.5
		HP Required	5.7	6.2	6.7	7.2	7.8	8.3	8.8	9.4
39.9	600	Free Air Delivered (CFM)	33.0	32.8	32.6	32.4	32.2	31.9	31.7	31.5
		Free Air Delivered (MCFD)	47.5	47.2	46.9	46.7	46.4	45.9	45.6	45.4
		HP Required	6.5	6.9	7.5	8.1	8.8	9.3	9.8	10.4
43.3	650	Free Air Delivered (CFM)	35.8	35.6	35.3	35.0	34.8	34.4	34.1	33.8
		Free Air Delivered (MCFD)	51.6	51.3	50.8	50.4	50.1	49.5	49.1	48.7
		HP Required	7.2	7.7	8.1	8.9	9.6	10.2	10.8	11.4
46.6	700	Free Air Delivered (CFM)	38.7	38.4	38.1	37.8	37.4	37.1	36.8	36.5
		Free Air Delivered (MCFD)	55.7	55.3	54.9	54.4	53.9	53.4	53.0	52.6
		HP Required	7.8	8.4	9.1	9.7	10.4	11.1	11.8	12.5
49.6	750	Free Air Delivered (CFM)	41.2	41.0	40.6	40.3	40.0	39.7	39.4	39.1
		Free Air Delivered (MCFD)	59.3	59.0	58.5	58.0	57.6	57.2	56.7	56.3
		HP Required	8.5	9.1	9.8	10.6	11.3	12.1	12.8	13.5
53.2	800	Free Air Delivered (CFM)	43.7	43.4	43.1	42.8	42.4	42.1	41.8	41.5
		Free Air Delivered (MCFD)	62.9	62.5	62.1	61.6	61.1	60.6	60.2	59.8
		HP Required	9.2	9.9	10.6	11.4	12.2	13.0	13.8	14.6
56.6	850	Free Air Delivered (CFM)	46.3	46.0	45.7	45.5	45.0	44.5	44.0	43.5
		Free Air Delivered (MCFD)	66.7	66.2	65.8	65.5	64.8	64.1	63.4	62.6
		HP Required	10.0	10.7	11.5	12.2	13.2	14.0	14.8	15.6
59.9	900	Free Air Delivered (CFM)	48.8	48.5	48.3	47.8	47.3	46.7	46.1	45.5
		Free Air Delivered (MCFD)	70.3	69.8	69.6	68.8	68.1	67.2	66.4	65.5
		HP Required	10.7	11.5	12.3	13.0	14.0	15.0	16.0	17.0



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Performance Data
Model C-98 Compressor

Two-Stage, 7-1/2" and 4-3/16" Bore x 5" Stroke

Displ CFM	RPM		Discharge Pressure (PSIG)							
			80	100	125	150	175	200	225	250
51.1	400	Free Air Delivered (CFM)	41.0	40.0	39.4	38.8	38.2	37.5	36.8	36.0
		Free Air Delivered (MCFD)	59.0	57.6	56.7	55.9	55.0	54.0	53.0	51.8
		HP Required	7.4	8.0	8.6	9.3	10.1	11.1	12.5	13.9
57.5	450	Free Air Delivered (CFM)	46.4	45.3	44.7	44.0	43.4	42.7	42.1	41.3
		Free Air Delivered (MCFD)	66.8	65.2	64.4	63.4	62.5	61.5	60.6	59.5
		HP Required	8.4	9.0	9.7	10.6	11.5	12.5	13.8	15.3
63.9	500	Free Air Delivered (CFM)	51.7	50.7	50.0	48.3	48.7	48.0	47.4	46.6
		Free Air Delivered (MCFD)	74.4	73.0	72.0	69.6	70.1	69.1	68.3	67.1
		HP Required	9.6	10.4	11.2	12.0	13.0	14.2	15.5	16.9
70.3	550	Free Air Delivered (CFM)	57.0	55.8	55.0	54.4	53.7	53.0	52.4	51.7
		Free Air Delivered (MCFD)	82.1	80.4	79.2	78.3	77.3	76.3	75.5	74.4
		HP Required	10.8	11.7	12.5	13.5	14.6	15.8	17.2	18.6
76.7	600	Free Air Delivered (CFM)	62.1	60.9	60.1	59.5	58.8	58.0	57.4	56.7
		Free Air Delivered (MCFD)	89.4	87.7	86.5	85.7	84.7	83.5	82.7	81.6
		HP Required	12.2	13.1	14.0	15.1	16.3	17.5	18.8	20.4
83.1	650	Free Air Delivered (CFM)	67.1	65.9	65.1	64.6	63.7	63.0	62.4	61.7
		Free Air Delivered (MCFD)	96.6	94.9	93.7	93.0	91.7	90.7	89.9	88.8
		HP Required	13.5	14.5	15.5	16.8	18.0	19.4	20.7	22.4
89.5	700	Free Air Delivered (CFM)	72.0	70.8	70.0	69.3	68.5	67.8	67.2	66.5
		Free Air Delivered (MCFD)	103.7	102.0	100.8	99.8	98.6	97.6	96.8	95.8
		HP Required	14.9	16.0	17.1	18.4	19.7	21.2	22.6	24.3
95.9	750	Free Air Delivered (CFM)	76.7	75.5	74.7	74.0	73.2	72.5	71.9	71.2
		Free Air Delivered (MCFD)	110.4	108.7	107.6	106.6	105.4	104.4	103.5	102.5
		HP Required	16.3	17.4	18.6	20.0	21.5	23.0	24.5	26.2
102.2	800	Free Air Delivered (CFM)	81.2	80.1	79.5	78.7	77.9	77.2	76.5	75.8
		Free Air Delivered (MCFD)	116.9	115.3	114.5	113.3	112.2	111.2	110.2	109.2
		HP Required	17.6	18.9	20.2	21.7	23.2	24.8	26.5	28.3
108.6	850	Free Air Delivered (CFM)	85.6	84.6	84.0	83.2	82.4	81.7	81.0	80.3
		Free Air Delivered (MCFD)	123.3	121.8	121.0	119.8	118.7	117.6	116.6	115.6
		HP Required	19.2	20.5	21.8	23.3	25.0	26.7	28.4	30.3
115.0	900	Free Air Delivered (CFM)	89.8	89.0	88.4	87.6	86.8	86.1	85.4	84.7
		Free Air Delivered (MCFD)	129.3	128.2	127.3	126.1	125.0	124.0	123.0	122.0
		HP Required	20.5	22.0	23.4	25.0	26.8	28.6	30.4	32.2
121.4	950	Free Air Delivered (CFM)	94.0	93.1	92.5	91.7	91.0	90.2	89.6	87.6
		Free Air Delivered (MCFD)	135.4	134.1	118.8	132.0	131.0	129.9	129.0	126.1
		HP Required	22.0	23.5	25.0	26.6	28.5	30.5	32.3	34.3



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Model D-96A Compressor - Flow Rate

Two-Stage, 4-1/2" and 2-5/16" Bore x 3-1/2" Stroke

Inlet Press	RPM		Discharge Pressure						
			100	125	150	175	200	225	250
0	900	Flow Rate (MCFD)	32.9	32.2	31.5	30.6	29.7	28.6	27.6
		HP Required	6.1	6.4	6.8	7.1	7.4	7.8	8.2
5	900	Flow Rate (MCFD)	45.9	45.0	44.0	43.0	42.0	41.0	40.0
		HP Required	7.4	7.8	8.1	8.4	8.6	9.2	9.7
10	900	Flow Rate (MCFD)	58.9	57.8	56.6	55.5	54.3	53.3	52.3
		HP Required	9.2	9.4	9.6	10.0	10.3	10.5	10.8
15	900	Flow Rate (MCFD)	71.4	70.2	68.9	67.9	66.9	65.9	64.9
		HP Required	10.0	10.4	10.8	11.0	11.1	11.8	12.6

Model D-97A Compressor - Flow Rate

Two-Stage, 6-1/4" and 3-3/8" Bore x 3-3/4" Stroke

Inlet Press	RPM		Discharge Pressure						
			100	125	150	175	200	225	250
0	900	Flow Rate (MCFD)	75.9	74.4	72.9	70.7	68.5	65.9	63.5
		HP Required	12.6	13.4	14.0	14.6	15.4	16.2	17.0
5	900	Flow Rate (MCFD)	106.0	103.9	101.7	99.3	96.9	94.5	92.1
		HP Required	15.3	16.0	16.8	17.4	17.8	18.9	20.1
10	900	Flow Rate (MCFD)	136.0	133.3	130.6	128.0	125.4	123.0	120.8
		HP Required	19.1	19.5	19.9	20.6	21.3	21.9	22.3
15	900	Flow Rate (MCFD)	164.9	162.0	158.9	156.6	154.3	152.0	149.8
		HP Required	20.7	21.5	22.5	22.7	23.0	24.5	26.1

Model C-98 Compressor - Flow Rate

Two-Stage, 7-1/2" and 4-3/16" Bore x 5" Stroke

Inlet Press	RPM		Discharge Pressure						
			100	125	150	175	200	225	250
0	900	Flow Rate (MCFD)	130.2	127.5	124.9	121.3	117.4	113.1	109.0
		HP Required	22.2	23.5	24.6	25.8	27.1	28.5	30.0
5	900	Flow Rate (MCFD)	181.7	178.1	174.4	170.4	166.2	162.1	158.1
		HP Required	26.9	28.3	29.6	30.5	31.4	33.4	35.3
10	900	Flow Rate (MCFD)	233.3	228.7	223.9	219.5	215.0	211.1	207.2
		HP Required	33.6	34.3	35.0	36.3	37.6	38.4	39.2
15	900	Flow Rate (MCFD)	282.8	277.8	272.6	268.7	264.7	260.8	256.9
		HP Required	36.6	37.9	39.5	40.0	40.4	43.1	45.9



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