

LX SERIES™

Low-Pressure Gas Compressors

Compressor Capacity in (scfm) - Two-Stage Units 70 to 140 psi Inlet Pressure Hydrogen Gas

Model Number			Motor hp	Inlet Pressures (psig)							
				70	80	90	100	110	120	130	140
Maximum Discharge Pressure	1500 PSI	C1.5-03-70/140LX	3	3.3	3.9	4.4	4.8	5.1	5.6	6.1	6.6
		C1.5-05-70/140LX	5	5.4	6.3	7.2	7.8	8.4	9.1	10.0	10.7
		C1.5-10-70/140LX	10	10.2	12.0	13.7	14.7	15.9	17.3	18.9	20
		C1.5-15-70/140LX	15	16.5	19.5	22	24	26	28	31	33
		C1.5-20-70/140LX	20	22	26	29	31	34	37	40	43
		C1.5-40-70/140LX	40	43	51	58	63	68	73	80	87
		C1.5-60-70/140LX	60	65	77	87	94	101	110	121	130
	3000 PSI	C03-03-70/140LX	3	2.1	2.5	2.8	3.0	3.3	3.5	3.9	4.2
		C03-05-70/140LX	5	3.4	4.0	4.6	4.9	5.3	5.8	6.3	6.8
		C03-10-70/140LX	10	6.4	7.6	8.7	9.3	10.1	11.0	12.0	13.0
		C03-15-70/140LX	15	10.1	11.9	13.6	14.6	15.8	17.1	18.8	20
		C03-20-70/140LX	20	13.2	15.5	17.7	19.0	21	22	24	26
		C03-40-70/140LX	40	27	32	36	39	42	46	50	54
		C03-60-70/140LX	60	40	47	54	58	62	68	74	80
	6000 PSI	C06-03-70/140LX	3	1.1	1.3	1.5	1.6	1.7	1.9	2.0	2.2
		C06-05-70/140LX	5	1.8	2.1	2.4	2.6	2.8	3.1	3.4	3.7
		C06-10-70/140LX	10	3.4	4.0	4.6	5.0	5.4	5.9	6.5	7.0
		C06-15-70/140LX	15	5.6	6.7	7.6	8.2	8.9	9.6	10.6	11.4
		C06-20-70/140LX	20	7.4	8.7	10.0	10.7	11.6	12.6	13.8	14.9
		C06-40-70/140LX	40	17.6	21	24	26	28	30	33	35
		C06-60-70/140LX	60	26	31	35	38	41	44	48	52



HYDRO-PAC INC

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LX SERIES™

Low-Pressure Gas Compressors

Compressor Capacity in (scfm) - Two-Stage Units 140 to 300 psi Inlet Pressure Hydrogen Gas

Model Number			Motor hp	Inlet Pressures (psig)								
				140	160	180	200	220	240	260	280	300
Maximum Discharge Pressure	1500 PSI	C1.5-03-140/300LX	3	5.5	6.2	7.0	7.7	8.4	9.1	9.8	10.5	11.2
		C1.5-05-140/300LX	5	8.9	10.0	11.2	12.4	13.5	14.7	15.8	17.0	18.0
		C1.5-10-140/300LX	10	16.7	18.8	21	23	25	28	30	32	34
		C1.5-15-140/300LX	15	26	29	33	36	39	43	46	49	52
		C1.5-20-140/300LX	20	35	39	44	48	52	57	61	66	70
		C1.5-40-140/300LX	40	69	77	87	96	105	114	123	131	140
		C1.5-60-140/300LX	60	104	116	131	144	157	171	184	197	209
	3000 PSI	C03-03-140/300LX	3	3.3	3.7	4.2	4.6	5.1	5.5	5.9	6.4	6.7
		C03-05-140/300LX	5	5.4	6.0	6.8	7.5	8.2	8.9	9.6	10.3	10.9
		C03-10-140/300LX	10	10.2	11.5	12.9	14.2	15.6	16.9	18.2	19.5	21
		C03-15-140/300LX	15	15.4	17.3	19.4	21	23	25	27	29	31
		C03-20-140/300LX	20	20	23	25	28	31	33	36	38	41
		C03-40-140/300LX	40	42	47	53	59	64	69	75	80	85
		C03-60-140/300LX	60	62	70	79	87	95	103	111	119	126
	6000 PSI	C06-03-140/300LX	3	1.7	1.9	2.2	2.4	2.6	2.9	3.1	3.3	3.5
		C06-05-140/300LX	5	2.8	3.2	3.6	4.0	4.3	4.7	5.1	5.5	5.8
		C06-10-140/300LX	10	5.4	6.1	6.8	7.6	8.3	9.0	9.7	10.4	11.1
		C06-15-140/300LX	15	9.4	10.6	11.9	13.1	14.4	15.6	16.8	18.0	19.2
		C06-20-140/300LX	20	12.3	13.8	15.6	17.2	18.8	20	22	24	25
		C06-40-140/300LX	40	29	32	36	40	44	47	51	55	58
		C06-60-140/300LX	60	42	47	53	59	64	70	75	81	86



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Low-Pressure Gas Compressors

Compressor Capacity in (scfm) - Two-Stage Units 300 to 600 psi Inlet Pressure Hydrogen Gas

Model Number			Motor hp	Inlet Pressures (psig)						
				300	350	400	450	500	550	600
Maximum Discharge Pressure	3000 PSI	C03-03-300/600LX	3	5.3	6.2	7.0	7.8	8.7	9.5	10.3
		C03-05-300/600LX	5	8.6	10.0	11.4	12.7	14.1	15.4	16.8
		C03-10-300/600LX	10	16.3	18.9	21	24	27	29	32
		C03-15-300/600LX	15	25	29	33	37	40	44	48
		C03-20-300/600LX	20	32	37	43	48	53	58	63
		C03-40-300/600LX	40	74	86	97	109	121	132	144
		C03-60-300/600LX	60	109	126	144	161	178	195	211
	6000 PSI	C06-03-300/600LX	3	2.9	3.4	3.9	4.4	4.8	5.3	5.8
		C06-05-300/600LX	5	4.8	5.6	6.3	7.1	7.9	8.6	9.4
		C06-10-300/600LX	10	9.1	10.5	12.0	13.4	14.9	16.3	17.7
		C06-15-300/600LX	15	14.1	16.3	18.6	21	23	25	27
		C06-20-300/600LX	20	18.4	21	24	27	30	33	36
		C06-40-300/600LX	40	43	50	56	63	70	76	83
		C06-60-300/600LX	60	63	73	83	93	103	112	122

Notes:

1. Please consult with Hydro-Pac, Inc. for applications not covered by machines listed here.
2. Charts showing detailed capacity information for other gases and in other units are available on request.
3. This information is supplied for reference only and is subject to change.
4. All capacities listed are based on gas at maximum inlet temperatures of 80F (27C). The capacity will be less if the inlet gas temperature is higher.
5. All capacities are based on 60 hertz power. Depending on the model, the capacity may be less with 50 hertz power. Please consult with Hydro-Pac for capacity information for a specific model.
6. Capacity information in Nm³/hr is based on standard conditions of 1 atm and 0 C.
7. All pressures listed are gauge pressures.
8. Capacity in KG/HR can be obtained by multiplying the scfm capacity by 0.14
9. Capacity in KG/Day can be obtained by multiplying the scfm capacity by 3.33



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Low-Pressure Gas Compressors

Compressor Capacity in (scfm) - Single-Stage Units Hydrogen Gas

Model Number		Motor hp	Inlet Pressures (psig)								
			100	200	300	400	500	750	1000	1250	1500
Maximum Discharge Pressure 1500 PSI	C1.5-03-1300LX	3	2.6	5.0	7.7	10.4	13.0	19.4	26	31	38
	C1.5-05-1300LX	5	4.3	8.2	12.6	16.9	21	32	42	51	61
	C1.5-10-1300LX	10	8.1	15.5	24	32	40	60	79	96	116
	C1.5-15-1300LX	15	13.1	25	38	51	64	95	125	152	183
	C1.5-20-1300LX	20	17.2	33	50	67	83	124	164	199	240
	C1.5-40-1300LX	40	37	71	106	141	175	259	342	415	498
	C1.5-60-1300LX	60	55	106	158	209	260	385	508	616	740

Note: The minimum inlet pressure for 1500 psi discharge is 200 psig. The compressors will operate at lower inlet pressures. Do not exceed an 8 to 1 compression ratio. For example, the maximum discharge pressure with 100 psig inlet is 905 psig.

Model Number		Motor hp	Inlet Pressures (psig)								
			100	200	400	500	1000	1500	2000	2500	3000
Maximum Discharge Pressure 3000 PSI	C03-03-2600LX	3	1.2	2.3	4.5	5.8	12.3	18.5	24	30	36
	C03-05-2600LX	5	1.9	3.6	7.2	9.3	19.7	29	39	48	58
	C03-10-2600LX	10	3.6	6.9	13.5	17.5	37	56	74	91	109
	C03-15-2600LX	15	5.7	11.0	22	28	57	85	113	140	166
	C03-20-2600LX	20	7.7	14.7	29	37	77	114	151	187	222
	C03-40-2600LX	40	18.0	34	67	84	169	248	326	403	477
	C03-60-2600LX	60	26	50	98	123	247	363	478	591	700

Note: The minimum inlet pressure for 3000 psi discharge is 400 psig. The compressors will operate at lower inlet pressures. Do not exceed an 8 to 1 compression ratio. For example, the maximum discharge pressure with 100 psig inlet is 905 psig.



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Compressor Capacity in (scfm) - Single-Stage Units Hydrogen Gas

Model Number		Motor hp	Inlet Pressures (psig)								
			100	500	800	1000	2000	3000	4000	5000	6000
Maximum Discharge Pressure 6000 PSI	C06-03-5200LX	3	0.5	2.1	3.6	4.9	11.2	17.1	22	27	32
	C06-05-5200LX	5	0.7	3.5	5.8	8.0	18.0	28	36	44	52
	C06-10-5200LX	10	1.4	6.5	10.9	14.9	34	52	68	83	97
	C06-15-5200LX	15	2.5	11.5	21	28	58	88	114	139	161
	C06-20-5200LX	20	3.0	13.8	23	30	66	101	132	161	187
	C06-40-5200LX	40	8.5	39	63	80	162	240	311	376	437
	C06-60-5200LX	60	12.5	58	92	118	239	354	458	554	644

Note: The minimum inlet pressure for 6000 psi discharge is 800 psig. The compressors will operate at lower inlet pressures. Do not exceed an 8 to 1 compression ratio. For example, the maximum discharge pressure with 100 psig inlet is 905 psig.

Model Number		Motor hp	Inlet Pressures (psig)								
			500	1000	1500	2000	2500	3000	4000	5000	6000
Maximum Discharge Pressure 12000 PSI	C12-03-10500LX	3	0.6	1.5	2.3	3.9	5.5	7.1	10.0	12.6	15.1
	C12-05-10500LX	5	1.0	2.4	3.7	6.3	8.9	11.4	16.0	20	24
	C12-10-10500LX	10	2.0	4.6	7.1	12.2	17.1	22	31	39	46
	C12-15-10500LX	15	4.3	8.7	13.2	21	29	36	49	62	73
	C12-20-10500LX	20	5.2	11.3	17.1	27	37	47	64	81	96
	C12-40-10500LX	40	16.6	34	49	70	90	110	145	179	209
	C12-60-10500LX	60	25	50	74	105	135	164	218	267	313

Note: The minimum inlet pressure for 12000 psi discharge is 1500 psig. The compressors will operate at lower inlet pressures. Do not exceed an 8 to 1 compression ratio. For example, the maximum discharge pressure with 500 psig inlet is 4000 psig.



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