

LX SERIES™

Low-Pressure Gas Compressors

Compressor Capacity in (scfm) - Two-Stage Units 70 to 140 psig Inlet Pressure Helium 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	3.7	4.2	4.6	5.0	5.5	5.9	6.4	6.8
		C1.5-05-70/140LX	5	6.1	6.8	7.6	8.3	9.0	9.7	10.4	11.1
		C1.5-10-70/140LX	10	11.7	13.0	14.4	15.8	17.2	18.6	20	21
		C1.5-15-70/140LX	15	19.1	21	24	26	28.1	30	33	35
		C1.5-20-70/140LX	20	25	28	31	34	37	40	43	46
		C1.5-40-70/140LX	40	50	56	62	68	74	80	86	91
		C1.5-60-70/140LX	60	75	84	93	102	111	120	128	137
	3000 PSI	C03-03-70/140LX	3	2.3	2.6	2.9	3.2	3.5	3.7	4.0	4.3
		C03-05-70/140LX	5	3.8	4.3	4.7	5.2	5.6	6.1	6.5	7.0
		C03-10-70/140LX	10	7.3	8.1	9.0	9.8	10.7	11.6	12.4	13.3
		C03-15-70/140LX	15	11.5	12.9	14.3	15.6	17.0	18.4	19.7	21
		C03-20-70/140LX	20	15.1	16.9	18.7	21	22	24	26	28
		C03-40-70/140LX	40	30	33	37	41	44	48	51	55
		C03-60-70/140LX	60	44	49	55	60	65	70	75	81
	6000 PSI	C06-03-70/140LX	3	1.2	1.3	1.4	1.6	1.7	1.9	2.0	2.2
		C06-05-70/140LX	5	1.9	2.2	2.4	2.7	2.9	3.1	3.4	3.6
		C06-10-70/140LX	10	3.7	4.1	4.6	5.1	5.5	6.0	6.5	6.9
		C06-15-70/140LX	15	6.5	7.2	8.0	8.8	9.6	10.4	11.1	11.9
		C06-20-70/140LX	20	8.5	9.5	10.5	12	12.6	13.6	14.6	15.6
		C06-40-70/140LX	40	21	23	26	28	31	33	35	38
		C06-60-70/140LX	60	31	34	38	41	45	49	52	56



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LX SERIES™

Low-Pressure Gas Compressors

Compressor Capacity in (scfm) - Two-Stage Units 140 to 300 psig Inlet Pressure Helium 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	5.3	6.0	6.6	7.3	8.0	8.7	9.4	10.0	11
		C1.5-05-140/300LX	5	8.8	9.9	11.1	12.2	13.3	14.5	15.6	16.7	17.9
		C1.5-10-140/300LX	10	16.7	18.8	21	23	25	27	30	32	34
		C1.5-15-140/300LX	15	28	31	35	38	42	45	49	52.3	56
		C1.5-20-140/300LX	20	36	41	45	50	54	59	64	68	73
		C1.5-40-140/300LX	40	72	81	90	100	109	118	127	136	146
		C1.5-60-140/300LX	60	108	122	136	150	163	177	191	204	218
	3000 PSI	C03-03-140/300LX	3	3.2	3.7	4.1	4.5	4.9	5.3	5.8	6.2	6.6
		C03-05-140/300LX	5	5.4	6.1	6.8	7.5	8.2	8.9	9.5	10.2	10.9
		C03-10-140/300LX	10	10.1	11.5	12.8	14.1	15.4	16.7	18.0	19.3	21
		C03-15-140/300LX	15	16.2	18.3	20	23	25	27	29	31	33
		C03-20-140/300LX	20	21	24	27	29	32	35	38	40	43
		C03-40-140/300LX	40	43	48	54	59	65	70	76	81	86
		C03-60-140/300LX	60	63	71	79	87	95	103	111	119	127
	6000 PSI	C06-03-140/300LX	3	1.7	1.9	2.1	2.4	2.6	2.8	3.1	3.3	3.5
		C06-05-140/300LX	5	2.8	3.2	3.6	4.0	4.4	4.7	5.1	5.5	5.9
		C06-10-140/300LX	10	5.4	6.1	6.8	7.6	8.3	9.0	9.7	10.4	11.2
		C06-15-140/300LX	15	9.8	11.1	12.3	13.6	14.9	16.2	17.4	18.7	20
		C06-20-140/300LX	20	12.7	14.4	16.1	17.7	19.4	21	23	24	26
		C06-40-140/300LX	40	29	32	36	40	43	47	51	54	58
		C06-60-140/300LX	60	42	47	52	58	63	69	74	79	85



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Low-Pressure Gas Compressors

Compressor Capacity in (scfm) - Two-Stage Units 300 to 600 psi Inlet Pressure Helium 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	5.6	6.5	7.4	8.3	9.1	10.0	10.9
		C03-05-300/600LX	5	9.1	10.6	12.0	13.4	14.9	16.3	17.7
		C03-10-300/600LX	10	17	20	23	25	28	31	33
		C03-15-300/600LX	15	26	30	35	39	43	47	51
		C03-20-300/600LX	20	34	40	45	50	56	61	66
		C03-40-300/600LX	40	77	89	101	113	125	137	149
		C03-60-300/600LX	60	113	131	148	166	183	201	218
	6000 PSI	C06-03-300/600LX	3	3.0	3.5	4.0	4.5	4.9	5.4	5.9
		C06-05-300/600LX	5	4.9	5.7	6.5	7.3	8.0	8.8	9.6
		C06-10-300/600LX	10	9.2	10.7	12.2	13.7	15.2	16.7	18.1
		C06-15-300/600LX	15	15	17.3	20	22	24	27	29
		C06-20-300/600LX	20	19	23	26	29	32	35	38
		C06-40-300/600LX	40	43	50	57	63	70	77	84
		C06-60-300/600LX	60	63	73	83	93	103	113	123

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. All pressures listed are gauge pressures.



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Low-Pressure Gas Compressors

Compressor Capacity in (scfm) - Single-Stage Units Helium 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	2.8	5.2	7.8	10.4	13.0	19.0	26	32	38
	C1.5-05-1300LX	5	4.6	8.5	12.8	17.2	21	32	43	53	63
	C1.5-10-1300LX	10	8.7	16.1	24	33	41	61	81	100	119
	C1.5-15-1300LX	15	14.0	26	39	52	65	97	128	159	190
	C1.5-20-1300LX	20	18.3	34	51	68	85	126	167	207	246
	C1.5-40-1300LX	40	39	73	108	142	177	262	347	429	511
	C1.5-60-1300LX	60	58	108	160	212	263	390	515	638	760

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	2.2	4.5	5.5	11.5	17	23	29	34
	C03-05-2600LX	5	1.9	3.6	7.0	9.0	18.8	28	38	47	55
	C03-10-2600LX	10	3.7	6.8	13.2	17.0	36	54	71	88	105
	C03-15-2600LX	15	6.4	11.9	23	29	60	90	118	147	174
	C03-20-2600LX	20	8.4	15.5	30	38	79	118	157	194	230
	C03-40-2600LX	40	19.2	36	68	86	172	255	335	414	490
	C03-60-2600LX	60	28	53	101	127	255	379	499	615	729

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 Helium 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	11.1	17	22	28	33
	C06-05-5200LX	5	0.8	3.6	5.8	8.1	18	28	37	45	53
	C06-10-5200LX	10	1.6	6.8	11.2	15.2	34	53	70	86	101
	C06-15-5200LX	15	2.7	11.6	18.9	25	55	83	110	135	159
	C06-20-5200LX	20	3.3	14.6	24	32	69	104	138	170	200
	C06-40-5200LX	40	8.8	39	61	78	161	238	312	381	447
	C06-60-5200LX	60	12.9	57	91	116	237	351	459	562	660

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	0.7	1.5	2.4	4.0	5.6	7.1	10.0	12.8	15.5
	C12-05-10500LX	5	1.2	2.6	4.0	6.6	9.2	11.7	16.5	21	25
	C12-10-10500LX	10	2.3	4.8	7.5	12.5	17.4	22	31	40	48
	C12-15-10500LX	15	4.3	8.9	13.7	21	29	36	50	64	76
	C12-20-10500LX	20	5.7	11.6	17.9	28	38	47	66	83	100
	C12-40-10500LX	40	17.1	34	51	71	92	112	149	185	219
	C12-60-10500LX	60	25	50	75	106	135	165	220	274	324

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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