

LX-SERIES™

Low-Pressure Gas Compressors

Compressor Capacity in (scfm) - Two-Stage Units 70 to 140 psi Inlet Pressure Argon 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	3.8	4.2	4.8	5.1	5.5	6.0	6.6	7.0
		C1.5-05-70/140LX	5	6.1	6.8	7.7	8.3	9.0	9.7	10.7	11.3
		C1.5-10-70/140LX	10	11.5	13.0	14.6	15.7	17.0	18.4	20	21
		C1.5-15-70/140LX	15	18.8	21	24	26	28	30	33	35
		C1.5-20-70/140LX	20	25	28	31	33	36	39	43	46
		C1.5-40-70/140LX	40	49	55	62	67	72	78	86	91
		C1.5-60-70/140LX	60	74	83	93	100	108	118	129	137
	3000 PSI	C03-03-70/140LX	3	2.4	2.7	3.0	3.2	3.5	3.8	4.2	4.4
		C03-05-70/140LX	5	3.9	4.4	4.9	5.3	5.7	6.2	6.8	7.2
		C03-10-70/140LX	10	7.3	8.2	9.3	10.0	10.8	11.7	12.9	13.6
		C03-15-70/140LX	15	11.7	13.1	14.8	15.9	17.1	18.6	20	22
		C03-20-70/140LX	20	15.2	17.1	19.3	21	22	24	27	28
		C03-40-70/140LX	40	29	33	37	40	43	47	51	54
		C03-60-70/140LX	60	43	49	55	59	64	69	76	80
	6000 PSI	C06-03-70/140LX	3	1.3	1.5	1.6	1.8	1.9	2.1	2.3	2.4
		C06-05-70/140LX	5	2.1	2.4	2.7	2.9	3.1	3.4	3.7	4.0
		C06-10-70/140LX	10	4.0	4.5	5.1	5.5	6.0	6.5	7.2	7.6
		C06-15-70/140LX	15	6.8	7.6	8.6	9.3	10.0	10.9	12.0	12.7
		C06-20-70/140LX	20	8.9	10.0	11.3	12.1	13.1	14.3	15.6	16.6
		C06-40-70/140LX	40	21	24	27	29	31	34	37	40
		C06-60-70/140LX	60	31	35	40	43	46	50	55	58



HYDRO-PAC INC.

HIGH-PRESSURE PUMPS, COMPRESSORS AND EQUIPMENT
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LX-SERIES™

Low-Pressure Gas Compressors

Compressor Capacity in (scfm) - Two-Stage Units 140 to 300 psi Inlet Pressure Argon 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	5.4	6.0	6.7	7.5	8.2	8.9	9.6	10.5	11.1
		C1.5-05-140/300LX	5	8.8	9.7	10.8	12.3	13.4	14.4	15.7	17.1	18.1
		C1.5-10-140/300LX	10	16.6	18.4	21	23	25	27	30	32	34
		C1.5-15-140/300LX	15	27	30	34	38	42	45	49	53	56
		C1.5-20-140/300LX	20	35	39	43	49	53	58	62	68	72
		C1.5-40-140/300LX	40	70	77	86	98	107	115	125	136	144
		C1.5-60-140/300LX	60	105	116	130	147	160	173	187	204	216
	3000 PSI	C03-03-140/300LX	3	3.2	3.6	4.0	4.5	5.0	5.3	5.8	6.3	6.7
		C03-05-140/300LX	5	5.4	6.0	6.6	7.5	8.2	8.9	9.6	10.5	11.1
		C03-10-140/300LX	10	10.2	11.2	12.5	14.2	15.5	16.7	18.2	19.8	21
		C03-15-140/300LX	15	16.5	18.3	20	23	25	27	30	32	34
		C03-20-140/300LX	20	21	24	27	30	33	35	38	42	44
		C03-40-140/300LX	40	42	46	52	59	64	69	75	82	87
		C03-60-140/300LX	60	62	69	77	87	95	103	111	121	129
	6000 PSI	C06-03-140/300LX	3	1.9	2.1	2.4	2.7	2.9	3.2	3.5	3.8	4.0
		C06-05-140/300LX	5	3.1	3.4	3.8	4.4	4.8	5.2	5.6	6.1	6.5
		C06-10-140/300LX	10	5.9	6.5	7.3	8.3	9.1	9.8	10.6	11.6	12.3
		C06-15-140/300LX	15	10.2	11.3	12.6	14.3	15.6	16.8	18.3	19.9	21
		C06-20-140/300LX	20	12.7	14.1	15.8	17.9	19.5	21	23	25	26
		C06-40-140/300LX	40	28	31	35	39	43	46	50	55	58
		C06-60-140/300LX	60	42	46	51	58	64	69	74	81	86



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Low-Pressure Gas Compressors

Compressor Capacity in (scfm) - Two-Stage Units 300 to 600 psi Inlet Pressure Argon 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	5.8	6.8	7.7	8.6	9.5	10.5	11.5
		C03-05-300/600LX	5	9.4	11.1	12.5	14.0	15.4	17.1	18.7
		C03-10-300/600LX	10	17.7	21	23	26	29	32	35
		C03-15-300/600LX	15	27	32	36	40	44	49	53
		C03-20-300/600LX	20	34	40	45	50	55	61	67
		C03-40-300/600LX	40	77	90	101	113	125	138	152
		C03-60-300/600LX	60	114	134	151	169	186	206	226
	6000 PSI	C06-03-300/600LX	3	3.2	3.8	4.3	4.8	5.3	5.9	6.5
		C06-05-300/600LX	5	5.4	6.3	7.1	8.0	8.8	9.8	10.7
		C06-10-300/600LX	10	10.1	11.8	13.4	15.0	16.5	18.4	20
		C06-15-300/600LX	15	15.9	18.6	21	24	26	29	32
		C06-20-300/600LX	20	21	24	27	31	34	38	41
		C06-40-300/600LX	40	44	51	58	65	71	79	86
		C06-60-300/600LX	60	64	75	85	95	105	116	127

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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Compressor Capacity in (scfm) - Single-Stage Units Argon 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	2.1	4.0	6.9	9.8	13	20	28	35	43
	C1.5-05-1300LX	5	3.4	6.5	11.2	16.0	20	33	45	57	70
	C1.5-10-1300LX	10	6.5	12.4	21	30	39	62	85	108	132
	C1.5-15-1300LX	15	11.6	22	36	50	63	99	135	170	207
	C1.5-20-1300LX	20	15.2	29	47	66	83	130	178	223	273
	C1.5-40-1300LX	40	35	67	105	143	178	277	375	469	570
	C1.5-60-1300LX	60	52	99	154	209	261	406	550	688	837

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	0.9	1.7	3.3	4.7	12.0	19.4	27	34	41
	C03-05-2600LX	5	1.5	2.7	5.6	7.8	20	32	45	57	69
	C03-10-2600LX	10	2.8	5.2	10.5	14.7	38	61	85	108	130
	C03-15-2600LX	15	5.2	9.6	19	26	61	97	133	168	202
	C03-20-2600LX	20	6.7	12.5	25	33	80	126	173	219	263
	C03-40-2600LX	40	17.0	32	63	81	179	277	376	473	566
	C03-60-2600LX	60	25	47	93	119	264	408	554	696	833

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 Argon 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	0.3	1.3	2.7	4.3	11.9	19.3	26	32	37
	C06-05-5200LX	5	0.5	2.1	4.3	6.8	19.2	31	42	51	59
	C06-10-5200LX	10	0.9	4.0	8.1	12.9	36	59	78	96	110
	C06-15-5200LX	15	2.3	10.0	18.1	26	63	99	130	158	182
	C06-20-5200LX	20	3.0	13.2	24	34	83	130	171	208	239
	C06-40-5200LX	40	7.6	34	58	78	175	269	353	426	487
	C06-60-5200LX	60	11.1	50	85	115	259	397	520	629	719

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	0.2	1.0	2.3	4.3	6.2	8.1	11.5	14.5	16.9
	C12-05-10500LX	5	0.3	1.7	3.8	7.1	10.3	13.3	18.9	24	28
	C12-10-10500LX	10	0.6	3.2	7.2	13.5	19.6	25	36	45	53
	C12-15-10500LX	15	2.4	7.5	14.2	24	33	42	58	72	84
	C12-20-10500LX	20	3.2	9.8	18.6	31	43	55	76	94	110
	C12-40-10500LX	40	14.1	33	54	79	104	127	170	208	240
	C12-60-10500LX	60	21	49	80	117	154	189	253	309	356

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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