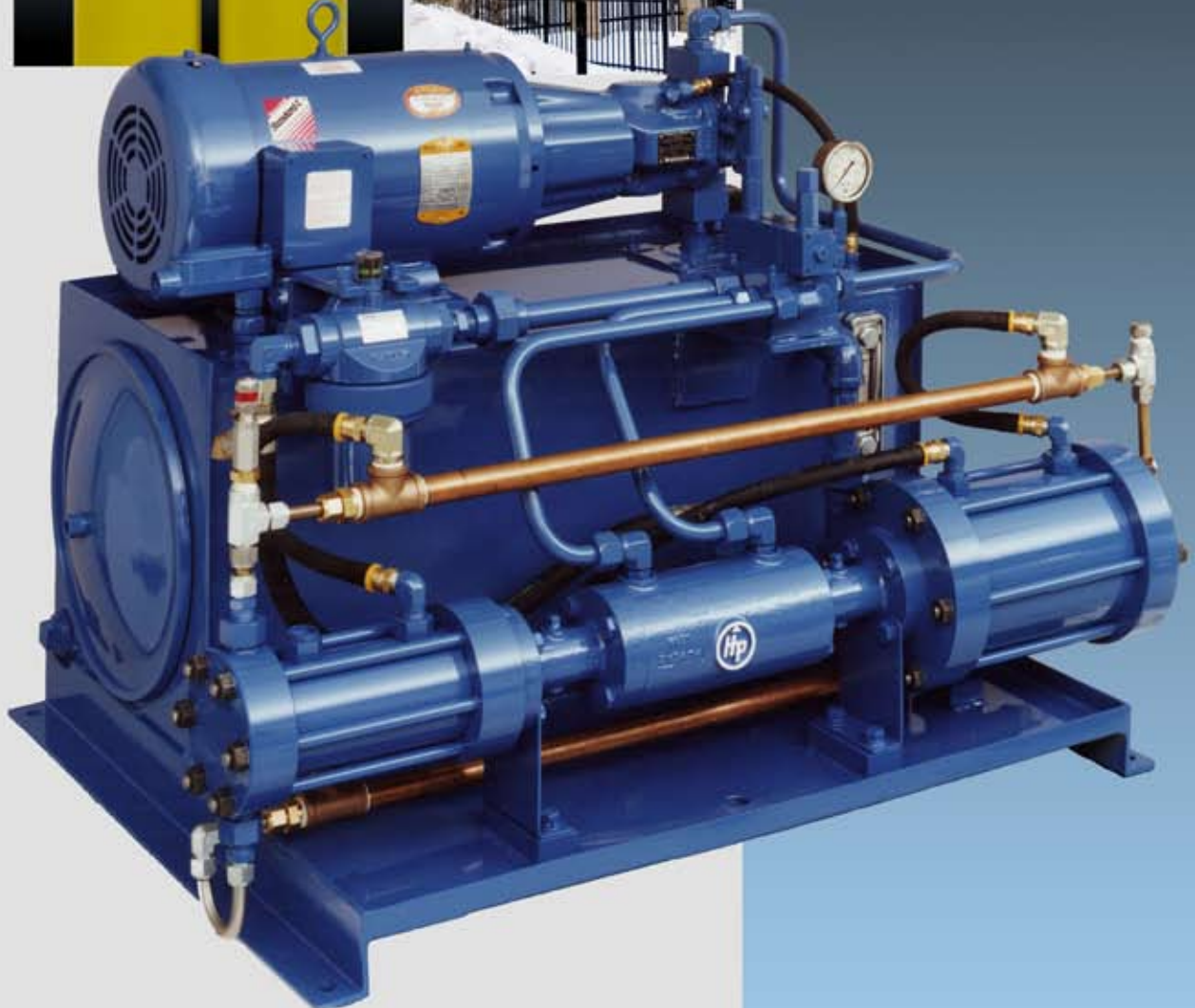




HYDRO-PAC, INC.



**LX-SERIES™
Low-Pressure Gas
Compressors
1500 to 6000 PSI**





HYDRO-PAC, INC.

LX-SERIES™ Low-Pressure Gas Compressors



HYDRO-PAC LX-SERIES™ Gas Compressors were developed for a variety of industrial and research applications. These LX-SERIES™ Gas Compressors are available as single or two-stage models and feature the same proven design that made Hydro-Pac high-pressure gas compressors so reliable.

Standard models are rated for discharge pressures of 1500, 3000 and 6000 psi (10, 20 and 40 MPa) and 3 to 60 hp (2.2 to 45 KW). Special design LX-SERIES™ Gas Compressors are available for pressures up to 12,000 psi (80 MPa). Hydro-Pac also manufactures a complete line of ultra high-pressure gas compressors for pressures to 60,000 psi (400 MPa) and higher.

The modular wet end design allows customization for specific applications.

The LX-SERIES™ Gas Compressors are based on our hydraulically driven intensifier technology, the same technology proven reliable and easy to maintain in installations worldwide.

Features

Hydro-Pac LX-SERIES™ Gas Compressors feature:

- Oil-free non lubricated gas pistons and cylinders protect against oil contamination of the process gas.
- Full stroke-length distance pieces isolate the hydraulic drive from the gas cylinders. This prevents contamination of the gas by the hydraulic drive oil.
- Hydro-Pac gas compressors work over a wide range of inlet pressures. In many cases inlet pressure regulators are not required.
- Intensifiers are ideally suited for high-pressures due to the simple geometry, slow operating speeds and in-line loads.
- Long slow stroke and small dead volume in the compressor cylinders result in high volumetric efficiency.
- Water cooled gas cylinders lower operating temperatures, which increases packing life.
- Hydraulically driven intensifiers allow control of both discharge pressure and gas flow rate by controlling the hydraulic drive. This may be important when matching the flow rate of the compressor to that of a gas generator.
- Straightforward arrangement and patented free piston design of Hydro-Pac compressors simplifies maintenance.
- Gas pressure assists in the compression stroke improving the overall efficiency of the machine.



HYDRO-PAC Intensifiers

The heart of every Hydro-Pac gas compressor is a hydraulically driven intensifier. An intensifier consists of a hydraulic cylinder (motive cylinder) coupled with two gas cylinders. The most common arrangement is a hydraulic cylinder in the center with a gas cylinder on each side of the hydraulic cylinder.

In operation, the force of the hydraulic pressure acting on a hydraulic piston is balanced by

gas pressure acting on the gas piston. As the hydraulic cylinder strokes, gas is compressed and displaced from one gas cylinder while simultaneously filling the other gas cylinder.

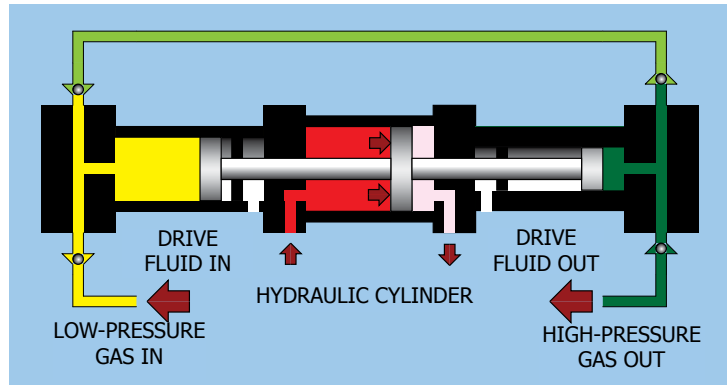
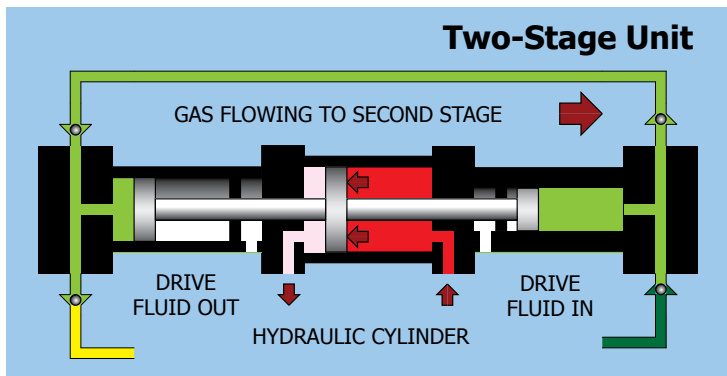
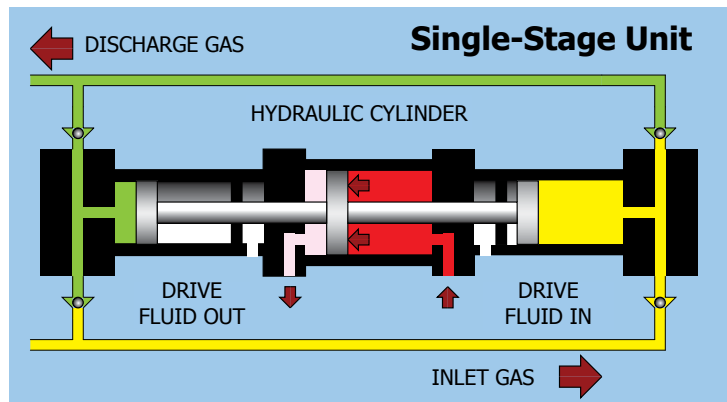
Intensifier designs are flexible and multiple arrangements are possible. The most common arrangements are double-ended machines that are either single-stage or two-stage units. Single-ended units are also available.

Single-Stage Machines

Single-stage compressors are commonly used to take advantage of high inlet pressures. The flexible design of the Hydro-Pac intensifiers, allows single-stage units to operate with very high inlet pressures to produce discharge pressure with each stroke. The compression ratio for a single-stage machine is limited to approximately 8:1.

Two-Stage Machines

Two-stage compressors are used when the compression ratio exceeds 8:1. The principle of operation is very similar to the single-stage units. The main difference is that the diameter of the second stage gas cylinder is smaller than the first stage gas cylinder. The interstage cooling that occurs between stages allows higher overall compression ratios. The compression ratio for a two-stage machine is limited to approximately 64:1.





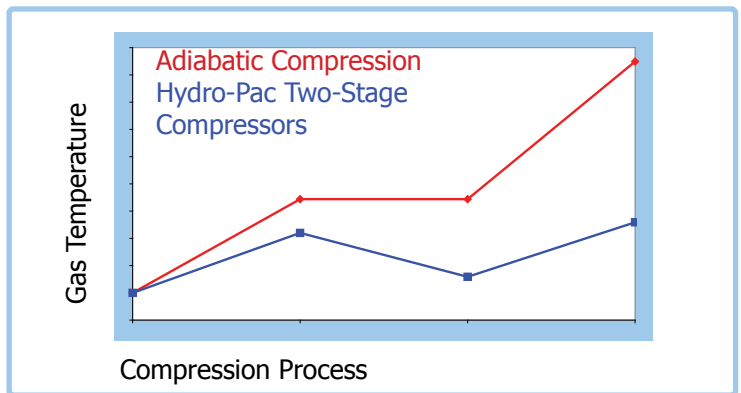
Continuous Piston Rings

Hydro-Pac's proprietary piston design features continuous piston rings for reliable leak free operation. This feature is available on units to 6,000 psi (40 MPa). Units operating at higher pressures feature our Bridgman packing design.



Slow Stroke Rate

The long slow stroke of the Hydro-Pac intensifier promotes cooling of the gas during the compression cycle. Crank-driven and diaphragm compressors stroke at a faster rate and typically operate at higher temperatures than Hydro-Pac machines.



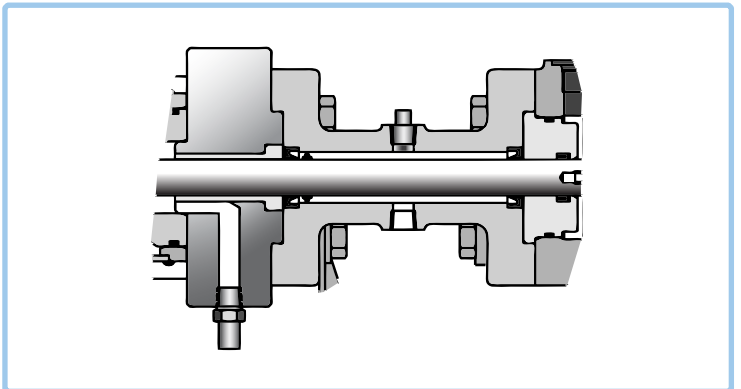
Poppet Type Check Valves

All LX-SERIES™ Gas Compressors feature poppet type check valves with reversible seats.



Extended Spacers

All LX-SERIES™ Gas Compressors feature extended spacers. These are full-length distance pieces that separate the process gas from the hydraulic drive section. No portion of the oil wetted plunger rod enters the gas cylinder.





Applications

LX-SERIES™ Gas Compressors are ideally suited for:

- Gas-assisted injection molding
- Hydrogen gas for alternative fuel systems
- Air bag inflator filling systems
- Gas foaming of polystyrene with carbon dioxide, nitrogen and other gases
- Gas transfer from tank trucks
- Pneumatic test and calibration stands
- Gas vapor reclaim from cryogenic storage tanks
- Supercritical extraction and cleaning
- Gas cylinder scavenging
- Gas cylinder filling
- Compressed natural gas (CNG) fueling stations
- Gas supply for laser cutting and continuous welding systems
- Gas supply to sintering furnaces
- Hot isostatic pressing

In addition to the above applications, LX-SERIES™ Gas Compressors are widely used to compress hydrogen gas for fuel cell and other applications. Please refer to our brochure titled "LX-SERIES™ Hydrogen Gas Compressors" for more information.

Standard Gases

- Nitrogen
- Hydrogen
- Argon
- Helium
- Carbon Dioxide
- Dry Air
- Methane
- Ethylene
- Other gases

Compressors for flammable gases may require special electrical components. Compressors for high-pressure hydrogen may require special materials of construction to prevent hydrogen embrittlement.

Standard Equipment

Hydro-Pac LX-SERIES™ Gas Compressors are furnished as complete units ready for connection to utilities and gas supply.

- Gas intensifier with inlet, interstage and discharge check valves
- Electric motor 230/460V, 3PH, 60HZ, TEFC
- Hydraulic power unit with pump, directional control valve and filters
- Interstage relief valve
- Electrical sensor and switch for low oil level and high oil temperature
- Stainless steel process tubing
- Complete operational testing
- Paint "Hydro-Pac blue" with two-part automotive paint



Optional Equipment

Hydro-Pac LX-SERIES™ Gas Compressors may be equipped with the following optional equipment.

- Electronic control of pressure or flow
- Manual pressure or flow control
- Inlet, interstage and discharge pressure gauges or switches
- Inlet and/or discharge relief valves
- Auto start/stop for high/low pressures
- Aftercoolers
- Inlet gas pressure regulators
- Explosion proof motor and electrical controls
- Inlet and discharge receivers
- Special voltages
- Closed-loop cooling systems
- Manual or remote motor starter and controls
- Complete packages systems with PLC controllers, valves racks and pressure vessels
- Oil reservoir heater for low-temperature operation
- Alarm or shutdown for low oil level, clogged oil filter, or high oil temperature
- Hour meter
- Paint to customer's specifications

When ordering or inquiring about LX-SERIES™ Gas Compressors please include:

- Type of gas
- Inlet and discharge pressures
- Capacity
- Utilities: voltage and hertz
- Installation: indoor or outdoor
- Ambient temperature
- Options

Compressor Packages

In addition to stand-alone compressors, Hydro-Pac also manufactures complete compressor packages. Our basic package includes a motor starter with high/low inlet and discharge pressure switches. More sophisticated packages are available that include options such as a PLC controller, pressure transducers, cooling water flow switch as well as electronic control of

pressure or flow, temperature monitoring and closed loop cooling systems. Please consult Hydro-Pac and our engineering team will be happy to help you select a package for your application. Please inquire with the factory for more information about compressor packages.

Standards

Hydro-Pac compressors are available to meet the following international standards:

- Japanese High-Pressure Gas Safety Law (HPGSL)
- European CE.

Capacity Information

Information about the performance of our compressors can be found on our website. Please visit us on the web at: www.hydropac.com. Hard copies of capacity charts are available on request.



Compressor Specifications, Two-Stage Units

Model Number	Discharge Pressure		Range of Inlet Pressure		Capacity with N ₂ at min inlet		Capacity with N ₂ at max inlet		Motor Power	
	psig	MPa	psig	MPa	scfm	Nm ³ /hr	scfm	Nm ³ /hr	HP	KW
C1.5-03-70/140LX	1500	10	70-140	0.5-1.0	3.8	5.8	7.1	10.7	3	2.3
C1.5-05-70/140LX	1500	10	70-140	0.5-1.0	6.1	9.7	11.2	17.9	5	3.8
C1.5-10-70/140LX	1500	10	70-140	0.5-1.0	11.7	18.3	22	34	10	7.5
C1.5-15-70/140LX	1500	10	70-140	0.5-1.0	18.0	28	33	52	15	11
C1.5-20-70/140LX	1500	10	70-140	0.5-1.0	24	37	44	68	20	15
C1.5-40-70/140LX	1500	10	70-140	0.5-1.0	47	74	87	137	40	30
C1.5-60-70/140LX	1500	10	70-140	0.5-1.0	71	111	131	205	60	45
C1.5-03-140/300LX	1500	10	140-300	1.0-2.0	5.5	8.8	11.3	17.0	3	2.3
C1.5-05-140/300LX	1500	10	140-300	1.0-2.0	8.8	14.1	18.1	27	5	3.8
C1.5-10-140/300LX	1500	10	140-300	1.0-2.0	16.6	26	34	52	10	7.5
C1.5-15-140/300LX	1500	10	140-300	1.0-2.0	27	44	56	85	15	11
C1.5-20-140/300LX	1500	10	140-300	1.0-2.0	36	57	73	110	20	15
C1.5-40-140/300LX	1500	10	140-300	1.0-2.0	71	113	146	220	40	30
C1.5-60-140/300LX	1500	10	140-300	1.0-2.0	107	170	219	330	60	45
C03-03-70/140LX	3000	20	70-140	0.5-1.0	2.5	3.8	4.8	7.0	3	2.3
C03-05-70/140LX	3000	20	70-140	0.5-1.0	3.8	6.1	7.1	11.4	5	3.8
C03-10-70/140LX	3000	20	70-140	0.5-1.0	7.3	11.6	13.5	21	10	7.5
C03-15-70/140LX	3000	20	70-140	0.5-1.0	11.7	18.3	22	34	15	11
C03-20-70/140LX	3000	20	70-140	0.5-1.0	15.0	24	28	44	20	15
C03-40-70/140LX	3000	20	70-140	0.5-1.0	29	47	54	86	40	30
C03-60-70/140LX	3000	20	70-140	0.5-1.0	43	69	80	127	60	45
C03-03-140/300LX	3000	20	140-300	1.0-2.0	3.3	5.2	6.8	10.2	3	2.3
C03-05-140/300LX	3000	20	140-300	1.0-2.0	5.3	8.6	11.0	16.8	5	3.8
C03-10-140/300LX	3000	20	140-300	1.0-2.0	10.0	16.0	21	31	10	7.5
C03-15-140/300LX	3000	20	140-300	1.0-2.0	16.6	26	34	51	15	11
C03-20-140/300LX	3000	20	140-300	1.0-2.0	22	35	44	67	20	15
C03-40-140/300LX	3000	20	140-300	1.0-2.0	42	67	86	130	40	30
C03-60-140/300LX	3000	20	140-300	1.0-2.0	62	99	128	193	60	45
C03-03-300/600LX	3000	20	300-600	2.0-4.0	5.7	8.3	11.3	16.3	3	2.3
C03-05-300/600LX	3000	20	300-600	2.0-4.0	9.3	14.0	18.4	28	5	3.8
C03-10-300/600LX	3000	20	300-600	2.0-4.0	17.4	26	34	51	10	7.5
C03-15-300/600LX	3000	20	300-600	2.0-4.0	27	40	53	79	15	11
C03-20-300/600LX	3000	20	300-600	2.0-4.0	34	50	67	99	20	15
C03-40-300/600LX	3000	20	300-600	2.0-4.0	77	117	152	229	40	30
C03-60-300/600LX	3000	20	300-600	2.0-4.0	114	170	224	334	60	45



Compressor Specifications, Two-Stage Units continued

Model Number	Discharge Pressure		Range of Inlet Pressure		Capacity with N ₂ at min inlet		Capacity with N ₂ at max inlet		Motor Power	
	psig	MPa	psig	MPa	scfm	Nm ³ /hr	scfm	Nm ³ /hr	HP	KW
C06-03-70/140LX	6000	40	70-140	0.5-1.0	1.3	2.1	2.5	3.9	3	2.3
C06-05-70/140LX	6000	40	70-140	0.5-1.0	2.1	3.3	4.0	6.3	5	3.8
C06-10-70/140LX	6000	40	70-140	0.5-1.0	4.0	6.3	7.6	12.0	10	7.5
C06-15-70/140LX	6000	40	70-140	0.5-1.0	6.7	10.6	12.5	19.7	15	11
C06-20-70/140LX	6000	40	70-140	0.5-1.0	8.7	13.9	16.3	26	20	15
C06-40-70/140LX	6000	40	70-140	0.5-1.0	21	34	39	63	40	30
C06-60-70/140LX	6000	40	70-140	0.5-1.0	31	50	58	93	60	45
C06-03-140/300LX	6000	40	140-300	1.0-2.0	1.9	3.0	4.0	6.0	3	2.3
C06-05-140/300LX	6000	40	140-300	1.0-2.0	3.1	4.9	6.4	9.7	5	3.8
C06-10-140/300LX	6000	40	140-300	1.0-2.0	5.8	9.3	12.1	18.4	10	7.5
C06-15-140/300LX	6000	40	140-300	1.0-2.0	10.1	16.4	21	32	15	11
C06-20-140/300LX	6000	40	140-300	1.0-2.0	12.8	20	26	39	20	15
C06-40-140/300LX	6000	40	140-300	1.0-2.0	28	45	58	88	40	30
C06-60-140/300LX	6000	40	140-300	1.0-2.0	42	67	86	130	60	45
C06-03-300/600LX	6000	40	300-600	2.0-4.0	3.2	4.9	6.3	9.7	3	2.3
C06-05-300/600LX	6000	40	300-600	2.0-4.0	5.2	7.8	10.3	15.5	5	3.8
C06-10-300/600LX	6000	40	300-600	2.0-4.0	9.7	14.6	19.3	29	10	7.5
C06-15-300/600LX	6000	40	300-600	2.0-4.0	15.3	24	30	46	15	11
C06-20-300/600LX	6000	40	300-600	2.0-4.0	20	30	40	60	20	15
C06-40-300/600LX	6000	40	300-600	2.0-4.0	43	65	85	127	40	30
C06-60-300/600LX	6000	40	300-600	2.0-4.0	64	96	125	188	60	45



Compressor Specifications, Single-Stage Units

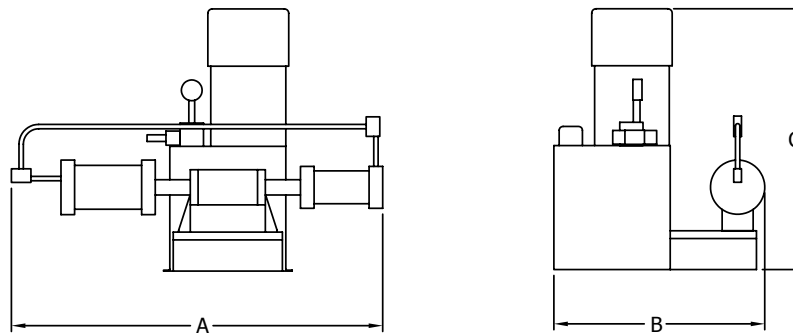
Model Number	Discharge Pressure		Range of Inlet Pressure		Capacity with N ₂ at min inlet		Capacity with N ₂ at max inlet		Motor Power	
	psig	MPa	psig	MPa	scfm	Nm ³ /hr	scfm	Nm ³ /hr	HP	KW
C1.5-03-1300LX	1500	10	200-1500	1.4-10	5.5	8.8	42	63	3	2.3
C1.5-05-1300LX	1500	10	200-1500	1.4-10	9.0	14.3	68	103	5	3.8
C1.5-10-1300LX	1500	10	200-1500	1.4-10	17.0	27	129	195	10	7.5
C1.5-15-1300LX	1500	10	200-1500	1.4-10	27	43	204	308	15	11
C1.5-20-1300LX	1500	10	200-1500	1.4-10	36	57	266	401	20	15
C1.5-40-1300LX	1500	10	200-1500	1.4-10	74	116	548	819	40	30
C1.5-60-1300LX	1500	10	200-1500	1.4-10	107	171	799	1208	60	45
C03-03-2600LX	3000	20	400-3000	2.8-20	5.0	7.9	39	59	3	2.3
C03-05-2600LX	3000	20	400-3000	2.8-20	8.2	12.6	64	94	5	3.8
C03-10-2600LX	3000	20	400-3000	2.8-20	15.5	24	121	180	10	7.5
C03-15-2600LX	3000	20	400-3000	2.8-20	25	40	189	287	15	11
C03-20-2600LX	3000	20	400-3000	2.8-20	32	51	246	373	20	15
C03-40-2600LX	3000	20	400-3000	2.8-20	73	115	528	797	40	30
C03-60-2600LX	3000	20	400-3000	2.8-20	108	171	780	1181	60	45
C06-03-5200LX	6000	40	800-6000	5.5-40	4.4	6.6	33	48	3	2.3
C06-05-5200LX	6000	40	800-6000	5.5-40	7.1	11.0	53	81	5	3.8
C06-10-5200LX	6000	40	800-6000	5.5-40	13.4	21	100	152	10	7.5
C06-15-5200LX	6000	40	800-6000	5.5-40	22	34	157	236	15	11
C06-20-5200LX	6000	40	800-6000	5.5-40	27	41	189	287	20	15
C06-40-5200LX	6000	40	800-6000	5.5-40	68	105	442	667	40	30
C06-60-5200LX	6000	40	800-6000	5.5-40	101	156	651	991	60	45



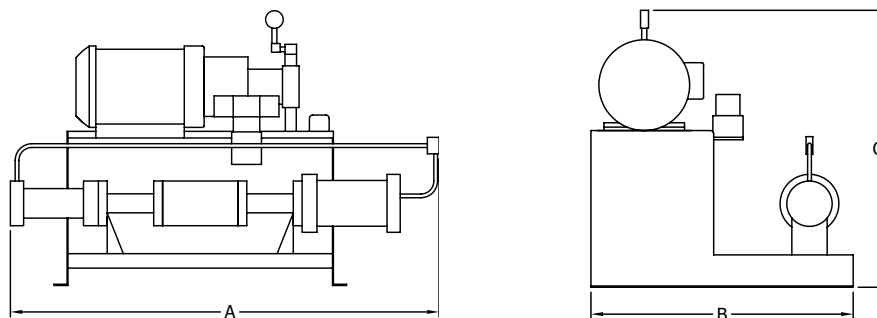
Common Specifications - 1500, 3000 and 6000 psi Units

Motor Power		Cooling Fluid		Weight with oil		Reservoir Volume		Length "A"		Width "B"		Height "C"		Connection Sizes	
HP	KW	gpm	lpm	lb	kg	gal	l	in	mm	in	mm	in	mm	Inlet	Discharge
3	2.3	1	4	570	260	10	37	45	1143	28	711	31	788	½ FNPT	½ tube
5	3.8	2	8	570	260	10	37	45	1143	36	915	36	915	½ FNPT	½ tube
10	7.5	3	12	900	410	30	111	47	1194	30	762	31	788	½ FNPT	½ tube
15	11	4	16	1200	545	40	148	68	1727	37	940	42	1067	½ FNPT	½ tube
20	15	5	19	1200	545	40	148	68	1727	37	940	42	1067	½ FNPT	½ tube
40	30	10	38	3500	1590	70	260	95	2413	53	1347	47	1194	1 FNPT	¾ tube
60	45	15	57	3700	1680	70	260	95	2413	53	1347	49	1245	1 FNPT	¾ tube

Inlet connection sizes refer to US standard taper pipe sizes. Discharge connection sizes refer to ferrule-type tube connections.



3 and 5 hp Units



10, 15, 20, 40 and 60 hp Units



Compressor Capacity in (scfm) - Two-Stage Units
70 to 140 psi Inlet Pressure
Nitrogen 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	4.3	4.9	5.2	5.6	6.1	6.7	7.1
		C1.5-05-70/140LX	5	6.1	6.8	7.7	8.2	8.9	9.7	10.6	11.2
		C1.5-10-70/140LX	10	11.7	13.1	14.7	15.8	17.1	18.6	20	22
		C1.5-15-70/140LX	15	18.0	20	23	24	26	29	31	33
		C1.5-20-70/140LX	20	24	27	30	32	35	38	41	44
		C1.5-40-70/140LX	40	47	53	60	64	69	75	82	87
		C1.5-60-70/140LX	60	71	80	90	96	104	113	124	131
	3000 PSI	C03-03-70/140LX	3	2.5	2.8	3.2	3.5	3.8	4.1	4.5	4.8
		C03-05-70/140LX	5	3.8	4.3	4.9	5.2	5.6	6.1	6.7	7.1
		C03-10-70/140LX	10	7.3	8.2	9.2	9.9	10.7	11.6	12.7	13.5
		C03-15-70/140LX	15	11.7	13.1	14.8	15.9	17.2	18.7	20	22
		C03-20-70/140LX	20	15	17	19	21	22	24	27	28
		C03-40-70/140LX	40	29	33	37	39	43	46	51	54
		C03-60-70/140LX	60	43	48	54	59	63	69	75	80
	6000 PSI	C06-03-70/140LX	3	1.3	1.5	1.7	1.8	1.9	2.1	2.3	2.5
		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	6.7	7.6	8.5	9.2	9.9	10.8	11.8	12.5
		C06-20-70/140LX	20	8.7	9.8	11.1	11.9	12.9	14.0	15.4	16.3
		C06-40-70/140LX	40	21	24	27	29	31	34	37	39
		C06-60-70/140LX	60	31	35	40	43	46	50	55	58



**Compressor Capacity in (scfm) - Two-Stage Units
140 to 300 psi Inlet Pressure
Nitrogen 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	6.1	6.8	7.7	8.4	9.0	9.8	10.7	11.3
		C1.5-05-140/300LX	5	8.8	9.8	10.9	12.3	13.5	14.5	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	36	39	44	50	54	58	63	69	73
		C1.5-40-140/300LX	40	71	79	88	99	108	117	127	138	146
		C1.5-60-140/300LX	60	107	118	132	149	163	175	190	207	219
	3000 PSI	C03-03-140/300LX	3	3.3	3.6	4.1	4.6	5.0	5.4	5.9	6.4	6.8
		C03-05-140/300LX	5	5.3	5.9	6.6	7.4	8.1	8.8	9.5	10.4	11.0
		C03-10-140/300LX	10	10.0	11.1	12.4	14.0	15.3	16.5	17.9	19.5	21
		C03-15-140/300LX	15	16.6	18.3	20	23	25	27	29	32	34
		C03-20-140/300LX	20	22	24	27	30	33	35	38	42	44
		C03-40-140/300LX	40	42	47	52	59	64	69	75	82	86
		C03-60-140/300LX	60	62	69	77	87	95	102	111	121	128
	6000 PSI	C06-03-140/300LX	3	1.9	2.1	2.4	2.7	2.9	3.2	3.4	3.8	4.0
		C06-05-140/300LX	5	3.1	3.4	3.8	4.3	4.8	5.1	5.6	6.1	6.4
		C06-10-140/300LX	10	5.8	6.4	7.2	8.2	8.9	9.6	10.5	11.4	12.1
		C06-15-140/300LX	15	10.1	11.2	12.5	14.1	15.5	16.7	18.1	19.7	21
		C06-20-140/300LX	20	12.8	14.2	15.8	17.9	19.6	21	23	25	26
		C06-40-140/300LX	40	28	31	35	40	43	47	50	55	58
		C06-60-140/300LX	60	42	46	52	58	64	69	74	81	86



**Compressor Capacity in (scfm) - Two-Stage Units
300 to 600 psi Inlet Pressure
Nitrogen 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	5.7	6.7	7.6	8.5	9.5	10.4	11.3
		C03-05-300/600LX	5	9.3	10.9	12.3	13.8	15.4	16.9	18.4
		C03-10-300/600LX	10	17.4	20	23	26	29	32	34
		C03-15-300/600LX	15	27	31	35	40	44	48	53
		C03-20-300/600LX	20	34	40	45	51	56	62	67
		C03-40-300/600LX	40	77	90	102	115	128	140	152
		C03-60-300/600LX	60	114	133	150	169	188	205	224
	6000 PSI	C06-03-300/600LX	3	3.2	3.7	4.2	4.7	5.3	5.8	6.3
		C06-05-300/600LX	5	5.2	6.0	6.9	7.7	8.6	9.4	10.3
		C06-10-300/600LX	10	9.7	11.4	12.9	14.5	16.2	17.7	19.3
		C06-15-300/600LX	15	15.3	17.9	20	23	25	28	30
		C06-20-300/600LX	20	20	23	26	30	33	36	40
		C06-40-300/600LX	40	43	51	57	64	71	78	85
		C06-60-300/600LX	60	64	74	84	95	105	115	125

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.



**Compressor Capacity in (scfm) - Single-Stage Units
Nitrogen 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	2.9	5.5	8.4	11.2	14.1	21	28	35	42
	C1.5-05-1300LX	5	4.7	9.0	13.6	18.2	23	34	46	57	68
	C1.5-10-1300LX	10	8.9	17.0	26	34	44	65	87	108	129
	C1.5-15-1300LX	15	14.4	27	41	55	69	103	137	171	204
	C1.5-20-1300LX	20	18.8	36	54	71	90	134	179	223	266
	C1.5-40-1300LX	40	39	74	110	148	186	277	369	459	548
	C1.5-60-1300LX	60	56	107	161	215	271	404	539	670	799

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	1.3	2.5	5.0	6.5	13.5	20	27	33	39
	C03-05-2600LX	5	2.2	4.2	8.2	10.6	22	33	44	54	64
	C03-10-2600LX	10	4.2	7.9	15.5	20	42	63	83	103	121
	C03-15-2600LX	15	6.7	12.7	25	32	66	99	131	161	189
	C03-20-2600LX	20	8.7	16.5	32	42	86	129	170	209	246
	C03-40-2600LX	40	20	37	73	93	187	278	367	450	528
	C03-60-2600LX	60	29	55	108	137	275	410	542	665	780

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.

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	0.6	2.7	4.4	5.9	12.9	19.2	25	29	33
	C06-05-5200LX	5	0.9	4.3	7.1	9.5	21	31	39	47	53
	C06-10-5200LX	10	1.7	8.1	13.4	17.8	39	58	74	88	100
	C06-15-5200LX	15	2.9	13.6	22	29	62	91	116	139	157
	C06-20-5200LX	20	3.5	16.3	27	35	74	110	140	167	189
	C06-40-5200LX	40	9.3	43	68	88	178	259	329	390	442
	C06-60-5200LX	60	13.6	63	101	129	263	382	485	575	651

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.



Unit Configurations



Unit with stainless steel wet ends for use with high-pressure hydrogen gas.



Five horsepower compressor packaged with gas storage cylinders.



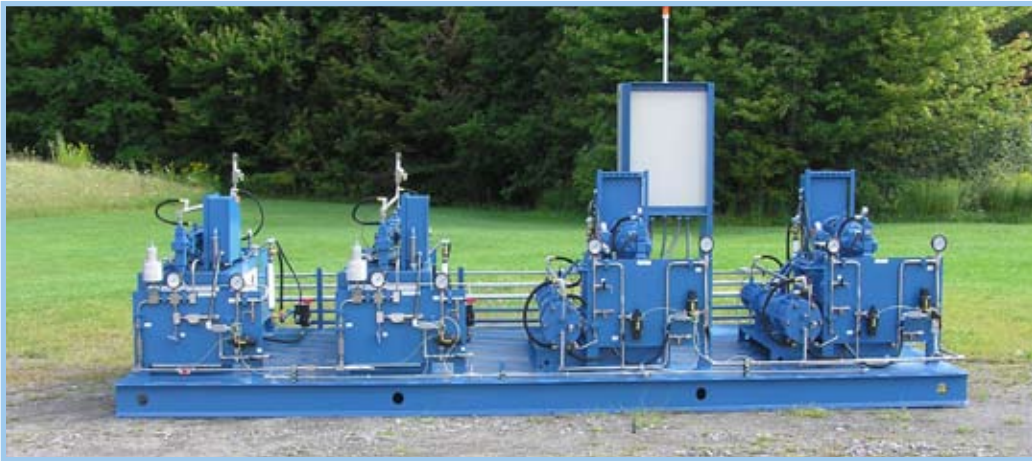
Forty horsepower single-stage unit for 12,000 psi discharge pressure.



Pressure vessel skid with intermediate and high-pressure storage vessels.



Two compressor package with valve racks and PLC controller.



Compressor package featuring redundant high and low-pressure units, valve racks and PLC controller.



Other Products

Hydro-Pac designs and manufactures a wide variety of pressure generating and containment equipment. Our product line includes:

Gas compressors for:

- Gas assist injection molding
- Hot isostatic pressing
- Air bag inflator filling
- Hydrogen fuel cells

Liquid pumps for:

- Cold isostatic pressing
- Pressure testing
- Pressure forming
- Cyclic pressure testing

ASME section VIII, divisions 1, 2 and 3 pressure vessels for:

- High-pressure gas storage
- Hot and cold isostatic pressing

- Leak testing
- Supercritical extraction
- Inert gas foaming
- Fuel studies
- Hydrostatic extrusion
- Pressure sterilization
- High-pressure homogenizing
- Burst testing
- Autofrettage

Pressure test systems for:

- Fatigue cyclic testing
- Hydrostatic pressure testing
- Gas leak testing

Please call or write Hydro-Pac, Inc. with your pressure equipment requirements. Our complete product catalog is available on request.



Worldwide Headquarters:

HYDRO-PAC, INC.
PO Box 921
7470 Market Road
Fairview, PA 16415 USA

In Japan call:

NIHON HYDRO-PAC, KK.
2-12-2 Akanabe Hishino
Gifu City, 500-8268
Japan

Phone 800-394-1511
Phone 814-474-1511
Fax 814-474-3421
Email info@hydropac.com
Website: www.hydropac.com

Phone 058-276-7690
Fax 058-276-2756
Email sales@nihon-hydropac.com
Website: www.nihon-hydropac.com