

# PISTON COMPRESSORS 1 - 100 HP



**RELIABLE BEYOND LIMITS**



# ABC SERIE

## FROM 1 TO 10 HP

More than 60 years of experience and the fidelity of our clients guarantee the **quality** of our SERIE ABC compressors that offer operational reliability and a high performance during long years with easy **maintenance**. General technical characteristics:

- **Construction with selected materials:** crankshaft and connecting rods in **forged steel**, with cylinders and cylinder heads in **cast iron**.
- **1 or 2 compression stages up to 15 bar, turning at very low rpm** which remarkably extends the life of the compressor.
- **Splashing lubrication.** Lubricated cylinders.
- **Totally air-cooled.**

- Featured with automatic operation devises:
  - Three-phase motor: pressure switch and contactor breaker.
  - Single-phase motor: pressure switch and automatic magnetothermal switch.
- Equipped with check valve and decompression and a centrifugal unloader, for a **smoother starting**.
- Mounted on **horizontal receiver**.
- Optionally, **automatic star-delta starter**, in 7,5 and 10 HP.
- Optionally, driven by **diesel or gasoline engine**.

**Customized solutions.** Do not hesitate to contact our sales executive for adjusting our offer to your requirements.

Model	Bare unit	Power		Pressure Bar	Generated volume m <sup>3</sup> /hour FAD	Speed rpm	Receiver l	Net Weight kg	Gross Weight kg	Packing mm
		kW	HP							
XG-1-PC	X-1	0,75	1	8	8,5	500	135	95	165	1.400 x 550 x 1.100
XG-1A-PC	X-1	1,1	1,5	12	8,5	500	135	110	180	
XG-2-PC	X-2	1,5	2	8	16,2	470	300	160	260	1.700 x 680 x 1.280
XG-3-PC	X-2	2,2	3	8	22,5	650	300	165	265	
XG-13-PC	X-2	1,5	2	12	14,5	410	300	175	275	
XG-14-PC	X-2	2,2	3	12	18	510	300	180	280	
VG-4-PC	V-5	3	4	8	38	550	300	200	300	1.700 x 680 x 1.220
VG-5-PC	V-5	4	5	8	45	650	300	210	310	
XG-15	V-3	3	4	15	23	650	300	225	325	1.700 x 680 x 1.220
XG-16	V-3	4	5	15	26,5	750	300	240	340	
VG-7-PC	V-7	5,5	7,5	8	67,5	530	450	365	505	1.930 x 830 x 1.400
VG-7-PC	V-7	7,5	10	8	85,5	670	450	390	530	
VG-6-PC	V-6	5,5	7,5	15	42,5	670	450	420	560	
VG-6-PC	V-6	7,5	10	15	51,5	800	450	430	570	



▲ XG-15



▲ XG-1A-PC

## SOUNDPROOFS

### Sound level: 65-75 dbA.

Mounted on a robust frame, compressor totally isolated compressor. Automatic operation with pressure switch. Low level oil and high temperature safeties. Operating with an independent vertical receiver.

## PORTABLES

### Moto-compressor on receiver, with wheels and spear shaft.

Compressors designed for applications in daily use, industrial paint, plaster facades, construction, etc. With single or three-phase electric motor (1-3 HP) or gasoline engine. Continuous operation compressors, by means of mechanical pressure regulator, becoming in load or idle depending on the air consumption.

## SOUNDPROOFS

Model	Bare unit	Bare unit		Pressure Bar	Generated volume m <sup>3</sup> /hour FAD	Speed rpm	Receiver* l	Net Weight kg	Gross Weight kg	Packing mm
		kW	HP							
VGE-11-PC-SIL	V-2	1,5	2	8	16,2	500	300	205	250	1.040x800x1.140
VGE-12-PC-SIL	V-2	2,2	3	8	22,8	700	300	215	265	
VGE-4-PC-SIL	V-5	3	4	8	33	550	300	305	365	1.170x860x1.370
VGE-5-PC-SIL	V-5	4	5,5	8	45	650	300	310	350	
VGE-7-PC-SIL	V-7	5,5	7,5	8	67,5	530	450	460	535	1.330x1040x1.410
VGE-7-AET-SIL	V-7	5,5	7,5	8	67,5	530	450	460	535	
VGE-7-PC-SIL	V-7	7,5	10	8	85,5	670	450	470	545	
VGE-7-AET-SIL	V-7	7,5	10	8	85,5	670	450	470	545	
XGE-15-SIL	V-3	3	4	15	23	650	300	295	315	1.170x860x1.370
XGE-16-SIL	V-3	4	5,5	15	26,5	750	300	305	325	
VGE-6-PC-SIL	V-6	5,5	7,5	15	42,5	670	450	435	475	1.330x1040x1.410
VGE-6-AET-SIL	V-6	5,5	7,5	15	42,5	670	450	435	475	
VGE-6-PC-SIL	V-6	7,5	10	15	51,5	800	450	445	485	
VGE-6-AET-SIL	V-6	7,5	10	15	51,5	800	450	445	485	

(\*)AET: includes automatic star-delta starter.



▲ VGE-5-PC-SIL



▲ VG-12-R

## PORTABLES

Model	Bare unit	Bare unit		Pressure Bar	Generated volume m <sup>3</sup> /hour FAD	Speed rpm	Receiver l	Net Weight kg	Gross Weight kg	Packing mm
		kW	HP							
XG-11-R	X-1-R	0,75	1	8	8,5	500	32	65	75	108x53x110
XG-11-P	X-1-C	0,75	1	8	8,5	500	32	65	75	
XG-12-R	X-1-R	1,1	1,5	8	12,5	750	32	68	78	
XG-12-P	X-1-C	1,1	1,5	8	12,5	750	32	68	78	
XG-122-R	X-6122	1,5	2	8	15,3	950	32	72	82	100x60x112
VG-11-R	V-2-R	1,5	2	8	16,2	500	50	80	90	
VG-12-R	V-2-R	2,2	3	8	23	700	50	80	90	
XG-12G	X-1-R	2,2	3	8	12,5	750	32	75	85	108x50x100

# X SERIE

FROM 15 TO 100 HP

SERIE X compressors are designed for applications which require a **high efficiency and security** in its usability, offering high performance qualities and robustness after **more than 40 years** in the market. General technical features:

- **Construction with selected materials:** forged steel and connecting rods, with **cast iron** cylinders and cylinder heads and **nodular iron** crank.
- **Pressures up to 15 bar and compression in 2 stages.**
- Enforced **lubrication** in the sump by gear pump with pressure switch security. **Cylinders optionally lubricated or oil free.**
- **Air-cooled.** 2nd stage cooling can be optionally by water.
- **Electro-pneumatic regulation** by electro valves that allows working in empty obtaining **energy-savings** depending on the air consumption.
- Powered by **electric motor directly attached to the compressor**, allowing for a **compact installation with low maintenance and high transmission performance.** Possibility to be mounted with trapezoidal belts.
- **Electric board** with **automatically operational** star triangle starter with **security** devices.
- Antivibrational support and flexible pipe, in order to **avoid vibration** movements.
- **Receiver.** The accumulator air receiver usually comes loose and with vertical layout.
- Possibility to mount the **compressor installed on the horizontal receiver**, with air-cooling between stages and final in a single radiator.

**Customized solutions.** Do not hesitate to contact to the sales executive for adjusting our offer to your requirements.

## LUBRICATED

Model	Power		Generated volume m <sup>3</sup> /hour FAD	Effectively produce volume m <sup>3</sup> /hour FAD				Speed rpm	Cylinders mm	Gross Weight kg	Packing mm
	kW	HP		8 bar	10 bar	12 bar	15 bar				
HX-20-15	15	20	167	141				1.500	170/120	725	1.500x1.000x1.000
HX-25-15	18,5	25	167		133	129	126	1.500	170/120	725	
BX-20-10	15	20	187	156				1.000	220/130	740	
BX-25-10	18,5	25	187		147	142		1.000	220/130	790	1.550x1.000x1.000
AX-25-10	18,5	25	187			138	135	1.000	220/120	800	
CX-25-10	18,5	25	232	198				1.000	245/142	800	
CX-30-10	22	30	232		184			1.000	245/142	815	
FX-30-15	22	30	281	234				1.500	220/130	750	
FX-40-14	30	40	281		221	213		1.500	220/130	800	
EX-40-15	30	40	281			207	201	1.500	220/120	800	
DX-40-15	30	40	348	297	276			1.500	245/142	820	
BX2-40-10	30	40	374	312				1.000	2x220/2x130	1.300	2.000x1.050x1.150
BX2-50-10	37	50	374		294	283		1.000	2x220/2x130	1.440	2.100x1.050x1.150
AX2-50-10	37	50	374			276	270	1.000	2x220/2x120	1.440	
CX2-50-10	37	50	464	396				1.000	2x245/2x142	1.450	
CX2-60-10	45	60	464		368			1.000	2x245/2x142	1.585	2.175x1.050x1.150
FX2-60-15	45	60	562	468				1.500	2x220/2x130	1.465	2.000x1.050x1.150
FX2-75-15	55	75	562		443			1.500	2x220/2x130	1.560	2.100x1.050x1.150
EX2-75-15	55	75	562			414	402	1.500	2x220/2x120	1.465	
DX2-75-15	55	75	696	594				1.500	2x245/2x142	1.475	
DX2-100-15	75	100	696		552			1.500	2x245/2x142	1.650	2.175x1.050x1.150



▲ CX2-50-10

## FROM 15 TO 100 HP

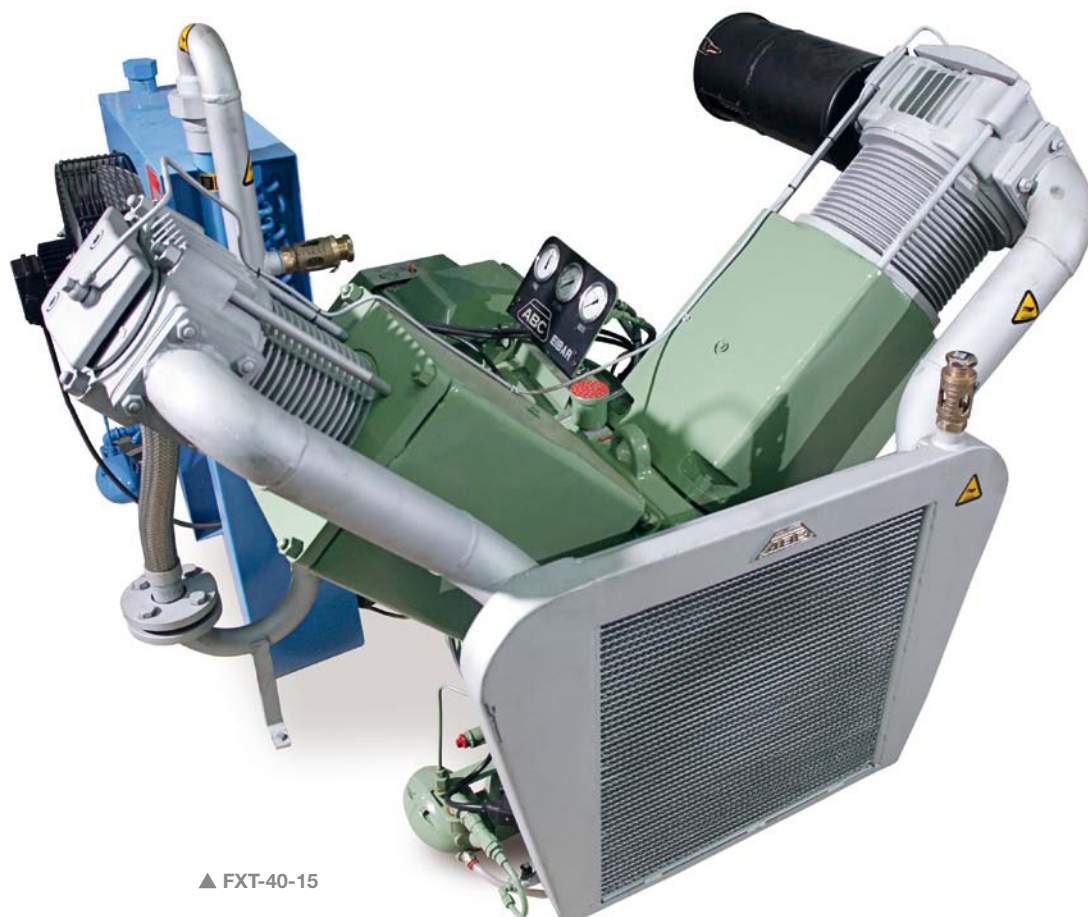
SERIE X compressors can be manufactured with **oil free cylinders, air-cooled**, for industrial applications where **totally cleaned air** is required, exempt from any impurity.

Suitable for food, plastic, pharmaceutical, chemical, mining, metallurgy, industry distilleries etc.

Mounted with **PTFE segments** (Polytetrafluoroethylene) ensure a perfect automatic lubrication during long hours of service without problems.

### NON LUBRICATED

Model	Power		Generated volume m <sup>3</sup> /hour FAD	Effectively produce volume m <sup>3</sup> /hour FAD				Speed rpm	Cylinders mm	Gross Weight kg	Packing mm
	kW	HP		8 bar	10 bar	12 bar	15 bar				
HXT-20-10	15	20	112	94	89	86	85	1.000	170/120	1.220	1.650x1.685x1.350
HXT-25-15	18,5	25	167	141	133	130	127	1.500	170/120		
AXT-25-10	18,5	25	187			133	126	1.000	220/120		
BXT-25-10	18,5	25	187	149	140			1.000	220/130		
CXT-30-10	22	30	282	189	186			1.000	245/142		
FXT-40-15	30	40	281	223	210			1.500	220/130		
EXT-40-15	30	40	281			199		1.500	220/120		
DXT-50-15	37	50	348	284	279			1.500	245/142		
AX2T-50-10	37	50	374			266	253	1.000	2x220/2x120		
BX2T-50-10	37	50	374	298	280			1.000	2x220/2x130		
CX2T-60-10	45	60	464	378	372			1.000	2x245/2x142	1.780	2.200x1.800x1.350
FX2T-75-15	55	75	561	446	420			1.500	2x220/2x130		
EX2T-75-15	55	75	561			398		1.500	2x220/2x120		
DX2T-100-15	75	100	696	568	558			1.500	2x245/2x142		



▲ FXT-40-15

# SPECIAL APPLICATIONS

## PNEUMATIC TRANSPORT

Based on X SERIE, the compressors for pneumatic transport offer **low pressure** air, with the possibility to be powered by **electric motor, diesel or with the axis universal of the truck**. The compressors can be also provided with transmission belts, without motor, to be subsequently attached to any of the above options.

Compressors for pneumatic transport can be also provided with **oil free cylinders**, for industries such as food industry.

The specific design of the compressor allows **simple and spacing maintenance**, remaining every part easily accessible.

## LUBRICATED

	Model	Power		Max. pressure bar	Generated volume m <sup>3</sup> /hour FAD	Effectively produce volume m <sup>3</sup> /hour FAD	Speed rpm	Cylinders mm	Net Weight kg	Packing mm
		kW	HP							
Direct coupling to diesel engine	IX-DI	26	34,7	2	402	355	1.800	2x170	790	1.695x1.380x1.225
	JX-DI	30	40	2	673	566	1.800	2x220	840	
	JX2-DI	60	80	2	1.347	1.132	1.800	4x220	990	2.400x1.365x1.350
	KX2-DI	87	117	2	1.670	1.409	1.800	4x245	1.070	
Direct coupling to electric motor	IX-15-10	11	15	2	223	197	1.000	2x170	870	1.450x1.230x1.150
	IX-20-15	15	20	2	335	296	1.500	2x170		
	JX-20-10	15	20	2	374	314	1.000	2x220		
	KX-30-10	22	30	2 - 3	464	391	1.000	2x245		
	JX-30-15	22	30	2	561	472	1.500	2x220	1.020	2.100x1.365x1.350
	KX-40-15	30	40	2	696	587	1.500	2x245		
	JX2-40-10	30	40	2	748	629	1.000	4x220		
	KX2-60-10	45	60	2	928	782	1.000	4x245		
JX2-75-15	55	75	2	1.122	943	1.500	4x220	1.020	2.100x1.365x1.350	
KX2-100-15	75	100	2 - 3	1.392	1.174	1.500	4x245			
Vee-belt transmission	IXC	.	.	2	223	197	1.000	2x170	285	1.290x790x1.115
	JXC	.	.	2	374	314	1.000	2x220		
	KXC	.	.	2	464	391	1.000	2x245		

## NON LUBRICATED

Model	Power		Max. pressure bar	Generated volume m <sup>3</sup> /hour FAD	Effectively produce volume m <sup>3</sup> /hour FAD	Speed rpm	Cylinders mm	Gross Weight kg	Packing mm
	kW	HP							
IXT-15-10	11	15	2	223	188	1.000	2x170	1.270	1.500x1.550x1.200
IXT-20-15	15	20	2	335	283	1.500	2x170		
JXT-25-10	18,5	25	2	374	300	1.000	2x220		
KXT-30-10	22	30	2	464	375	1.000	2x245		
JXT-40-15	30	40	2	561	450	1.500	2x220		
KXT-50-15	37	50	2	696	562	1.500	2x245	1.870	1.950x1.910x1.500
JX2T-50-10	37	50	2	748	601	1.000	4x220		
KX2T-60-10	40	60	2	928	750	1.000	4x245		
JX2T-75-15	55	75	2	1.122	901	1.500	4x220		
KX2T-100-15	75	100	2	1.392	1.125	1.500	4x245		



▲ JX-DI



▲ JX-DI

## START OF ENGINES

Based on the ABC and X SERIES compressors for starting engines are a guarantee of operation since more than **50 years**. In **sectors such as shipbuilding or energy** (diesel engines starting in cogeneration plants) our compressors offer **reliability and operational guarantee**, thanks to the robust construction: **forged steel** crankshaft and cranks, with **cast iron** cylinders

and cylinder heads (forged on the ABC SERIE and nodular in the X SERIE).

Compressors for starting engines can **compress air up to 30 bar two-stage compression**, with the possibility to be cooled by air or water (starting from 5,5HP).

### ABC SERIE HIGH PRESSURE

Model	Power		Max. pressure bar	Generated volume m <sup>3</sup> /hour FAD	Effectively produce volume m <sup>3</sup> /hour FAD	Speed rpm	Cylinders mm	Moto compressor			Bare unit		
	kW	HP						Net Weight kg	Gross Weight kg	Packing mm	Net Weight kg	Gross Weight kg	Packing mm
VA-2-E	1,47	2	30	8,1	6,4	500	80x50	135	165	900x490x500	39	52	550x430x460
VA-30-E	2,94	4	30	17,4	14	500	99x60	180	225	1.130x590x620	80	105	660x600x685
VA-70-E	4,04	5,5	30	31,8	23	500	137x60	275	325	1.300x670x750	168	213	800x700x750
VA-70-E	5,52	7,5	30	39,8	32	625							
VA-70-E	7,36	10	30	54	43	850							
VA-70-E	9,20	12,5	30	57,2	45	900							



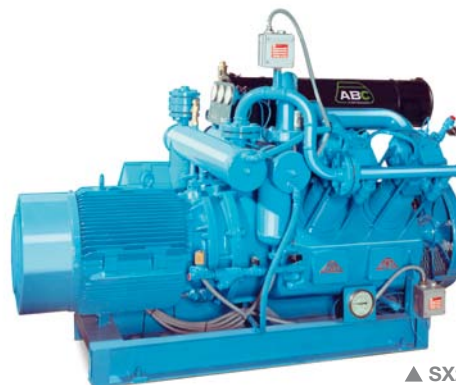
▲ VA-70-A-EPC

### X SERIE HIGH PRESSURE

Model	Power		Max. pressure bar	Generated volume m <sup>3</sup> /hour FAD	Effectively produce volume m <sup>3</sup> /hour FAD	Speed rpm	Cylinders mm	Refrige-ration water m <sup>3</sup> /hour	Direct coupling			Vee-belt transmission		
	kW	HP							Net Weight kg	Gross Weight kg	Packing mm	Net Weight kg	Gross Weight kg	Packing mm
SX-15-75	11	15	30	84	65	750	170/80	0,73	650	860	1.600x1.300x1.150	595	740	1.700x900x1.100
SX-20-10	15	20	30	112	86	1.000		0,96						
SX-30-15	22	30	30	168	130	1.500		1,45						
SX2-30-75	22	30	30	168	130	750	2x170/ 2x80	1,47	1.200	1.490	1.950x1.350x1.300	1.130	1.385	1.850x1.250x1.300
SX2-40-10	30	40	30	224	179	1.000		1,93						
SX2-60-15	45	60	30	336	258	1.500		2,92						



▲ SX2-20-10



▲ SX2-60-15

### PROVEN QUALITY

Shipbuilding application compressors are provided under the requirement of the client, inspected by the most prestigious organizations of classification: · Bureau Veritas · Lloyd's Register of Shipping · Germanischer Lloyd · American Bureau of Shipping · Det Norske Veritas · Registro Italiano Navale · etc.

**HEADQUARTER**

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# RELIABLE BEYOND LIMITS



02/2013



ARIZAGA, BASTARRICA Y CIA, S.A.

**TOTAL QUALITY**

ISO 9001

ISO 14001

OHSAS 18001