



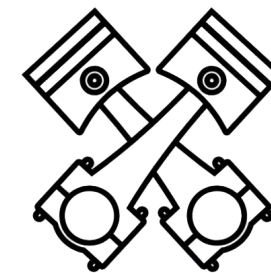
شرکت صنایع هوای فشرده ایران

کیلومتر ۱۲ جاده قدیم کرج، بعد از پل دپو، خیابان سپاه
اسلام، مقابل بانک انصار، پلاک ۲۳.

کد پستی: ۱۳۸۹۱۴۱۵۱

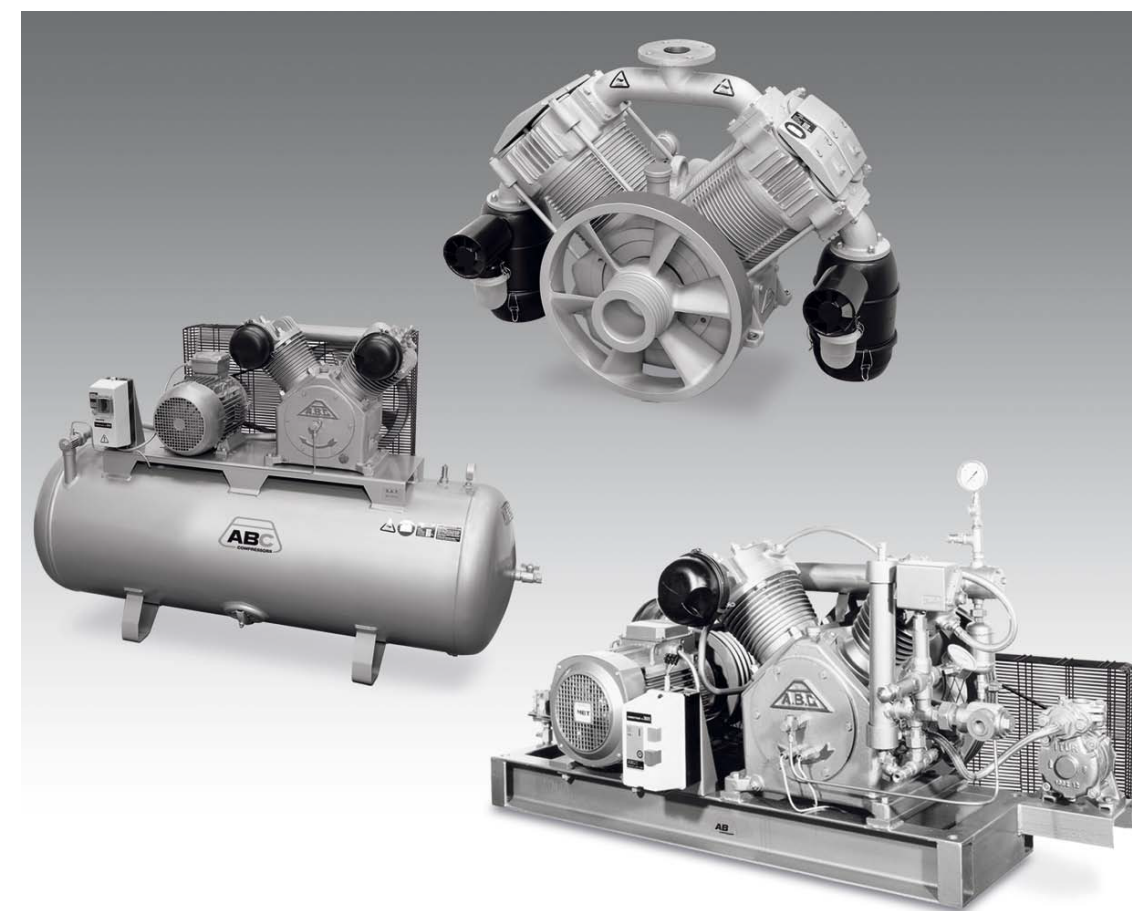
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کارخانه	فکس: ۴۴۹۰۵۸۴۱	تلفن: ۴۴۹۰۱۴۰۰

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IRAIND CO FOCUS ON ENERGY SAVING

AIR COMPRESSION SYSTEM SERVICE PROVIDER
AIR COMPRESSION SYSTEM INTEGRATOR
GAS COMPRESSION SOLUTION PROVIDER

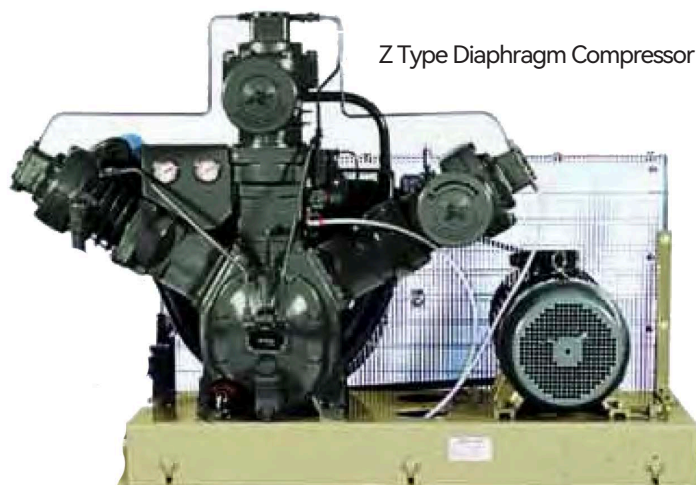


Reciprocating (Piston) Air Compressor
Lubricated & 100% Oil-Free

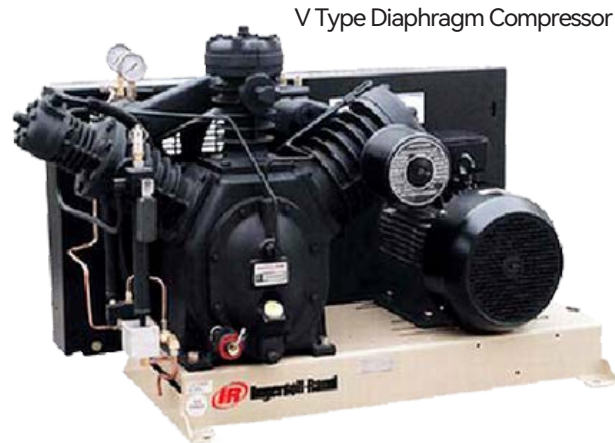


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INGERSOLL RAND SMAL RECIPROCATING PISTON COMPRESSOR



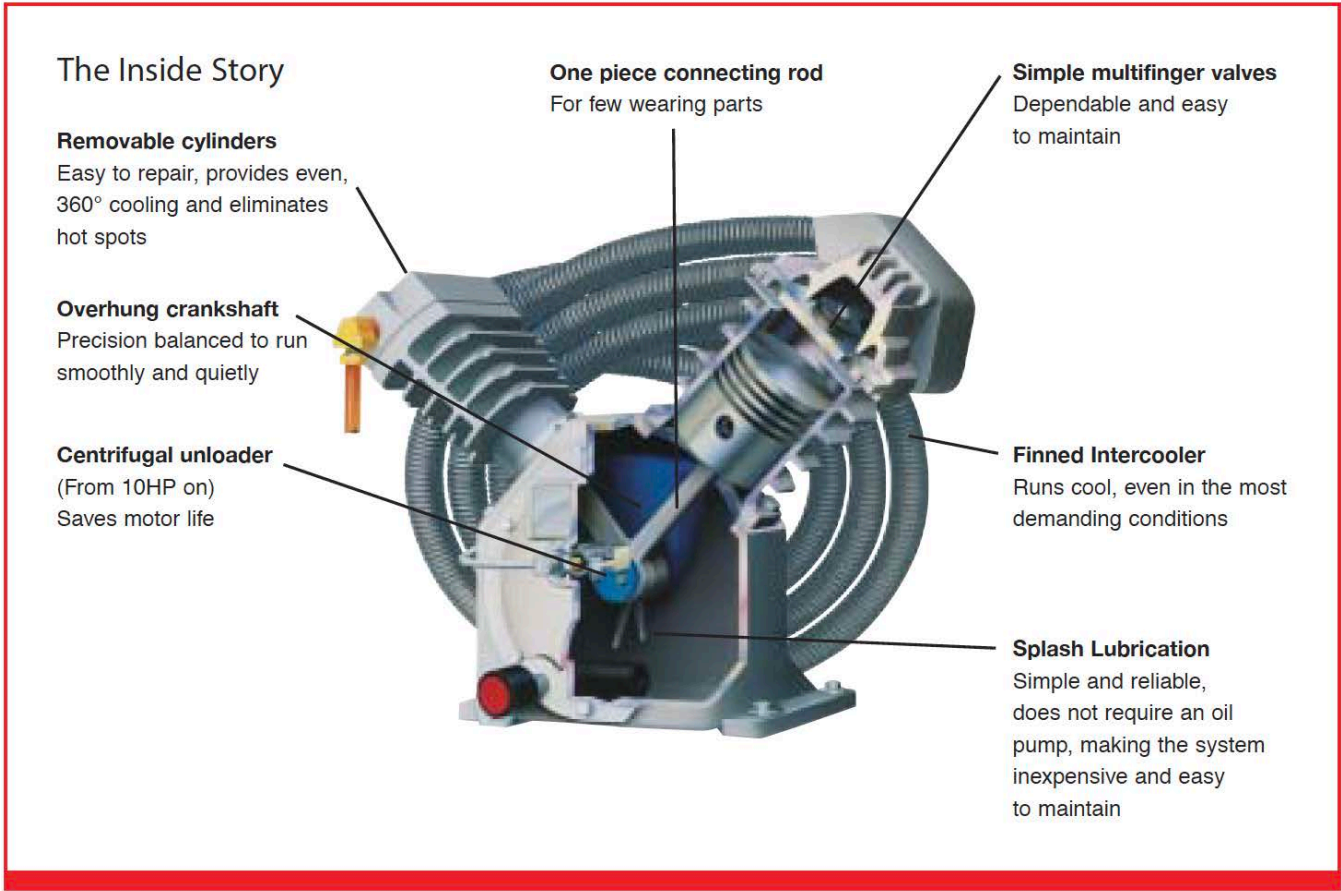
Z Type Diaphragm Compressor



V Type Diaphragm Compressor

No other Reciprocating Compressor Offers these efficient, cost-saving features:

- A durable cast iron pump which provides 15,000 + hours of trouble-free service
- A 100% copper finned intercooler lowers operating temperatures and extends pump life
- An overhung crankshaft and single-piece connecting rod allow access to the running gear for easy maintenance
- Individually cast cylinders provide flexible, less expensive maintenance on just one cylinder at a time rather than servicing the entire pump



Medium Pressure Lubricated :

Standard Features

- CE Marked receivers to 87/404/EEC
- 4 pole IP55 TEFV Motor
- Standard voltage 400-3-50
- Auto Start and Stop regulation by pressure switch up to 7.5 hp
- Dual control regulation on 10hp to 30hp receiver mounted units
- Constant Speed Control on 10hp to 30hp Base Mounted units
- DOL starting by pressure switch up to 7.5hp
- DOL starter (10hp to 30hp)
- Star Delta Starter available from 5.5hp
- Low oil level switch fitted from 10hp to 30hp
- Totally enclosed belt guard design
- Dry type inlet filter
- Flexible discharge tube
- Factory-fill of lubricant

High Pressure Lubricated :

Range of base-mounted compressors that can reach pressures as high as 345 bar.

Standard Features

- 4 pole IP55 TEFV Motor
- Standard voltage 400-3-50
- Auto Start and Stop regulation by pressure switch
- DOL starting by pressure switch
- Star Delta starting available from 10hp
- Low oil level switch fitted as standard (except model 231x30)
- Intercooler fitted
- Inlet air filter
- Cast iron multi stage pump unit
- Factory-fill of lubricant

Medium Pressure Oil-Free :

This T30 has no oil in the cylinders, but uses teflon rings and rider bands. They supply air free from oil. They are available on base or receiver, with versions from 4 to 20 HP.

Standard Feature

- 4 pole IP55 TEFV Motor
- Standard voltage 400-3-50
- Auto Start and Stop regulation by pressure switch
- Constant speed control regulation by auxiliary valve
- DOL starting by pressure switch up to 5.5hp
- Star Delta starting available from 10hp
- Inlet air filter
- Pressure Gauge from receiver pressure
- Low oil level switch fitted as standard

Model	Bare Unit	Outlet pressure BarG	Capacity lit/min	Power kW	Rotating speed r/min
Medium Pressure Lubricated Air Compressors					
E3X30	Y0.4	35	5	3	400
E3X40	0.25	16	8	5.5	400
E3X55	1.3	15	40	15	400
E3X75	6.9	8.0	950	18.5	400
E3X100	0.2	7.4	60	22	400
E3X150	0.75	2.5	50	7.5	400
E3X200	15	65	100	22	400
E3X250	1.0	7.0	110	15	360
High Pressure Lubricated Air Compressors					
231X30	0.5	22	4	3	300
7T2X100	0.7	15	10	4	450
15T2X200-35	1.0	20	100	30	400
15T2X200-70	0.45	25	100	45	400
H15T4X200	2.49	3.5	2115	55	430
Medium Pressure Oil-Free Air Compressors					
5T2NLX55	1.1	2.5	1450	75	400
5T2NLX100	0.6	3.8	570	90	400
10T3NLX150	1.7	18	580	110	400
10T3NLX200	1.44	20	650	160	420

OIL FREE RECIPROCATING PISTON COMPRESSOR



Oil Free Reciprocating Air Compressors

The cylinder does not need to be lubricated, the sealing performance is good, the compression medium does not contact any lubricant, and there is no pollution during the compression process, so the compression purity can reach 99.999%. It is especially suitable for the compression, transportation and bottling of high-value rare gases and highly corrosive, toxic, harmful, flammable, explosive, and radioactive gases.

Diaphragm compressor cylinder has good heat dissipation, simple structure and high efficiency. Two-stage compression can achieve high pressure and at the same time it can be close to isothermal compression. Therefore, it is used in industrial gas, food and medicine, petrochemical industry, aviation nuclear power, military equipment, scientific research and testing, etc. The field is widely used.

Technical Parameters

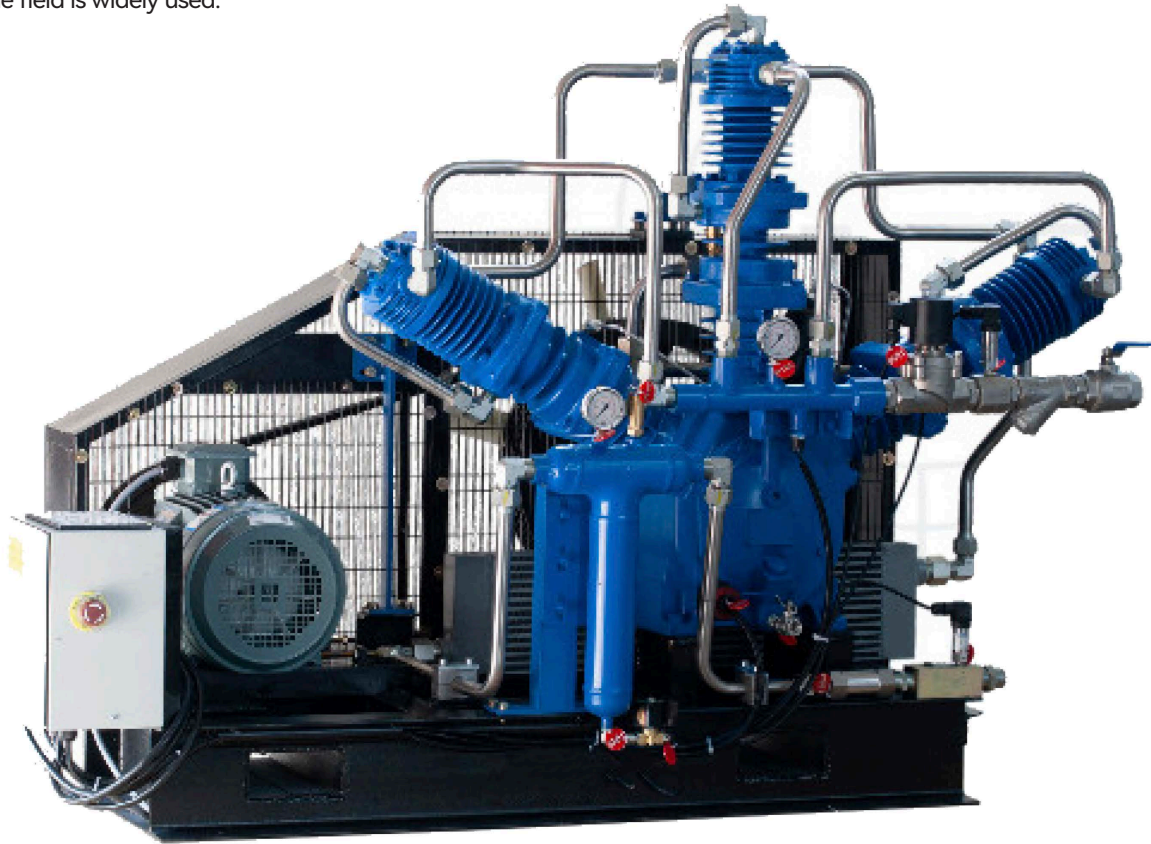
Model	Working pressure barg	Capacity m3/min	Power(KW)	Power(HP)	Dimensions			Weight (kg)
					L (mm)	W(mm)	H(mm)	
-	0.6-9	24-48	132-263	176-350	2750	1550	1820	3800
-30	0.6-12	45-82	248-450	330-600	3280	1850	2200	6300
-37	0.6-12	76-122	400-640	530-900	3500	2000	2250	8160
-45	0.6-12	118-150	630-800	840-1200	4200	2150	2350	11500
-55	0.6-16	118-228	760-1300	1010-1750	4200	2150	2350	12000
-75	0.6-16	186-310	980-1600	1320-2150	4600	2200	2500	17200
3 H-	0.6-16	268-438	1380-2250	1840-3000	5300	2300	2970	21500

Oil Free Reciprocating Booster Air Compressors

Diaphragm compressor is a special structure positive displacement compressor

The cylinder does not need to be lubricated, the sealing performance is good, the compression medium does not contact any lubricant, and there is no pollution during the compression process, so the compression purity can reach 99.999%. It is especially suitable for the compression, transportation and bottling of high-value rare gases and highly corrosive, toxic, harmful, flammable, explosive, and radioactive gases.

Diaphragm compressor cylinder has good heat dissipation, simple structure and high efficiency. Two-stage compression can achieve high pressure and at the same time it can be close to isothermal compression. Therefore, it is used in industrial gas, food and medicine, petrochemical industry, aviation nuclear power, military equipment, scientific research and testing, etc. The field is widely used.



Technical Parameters

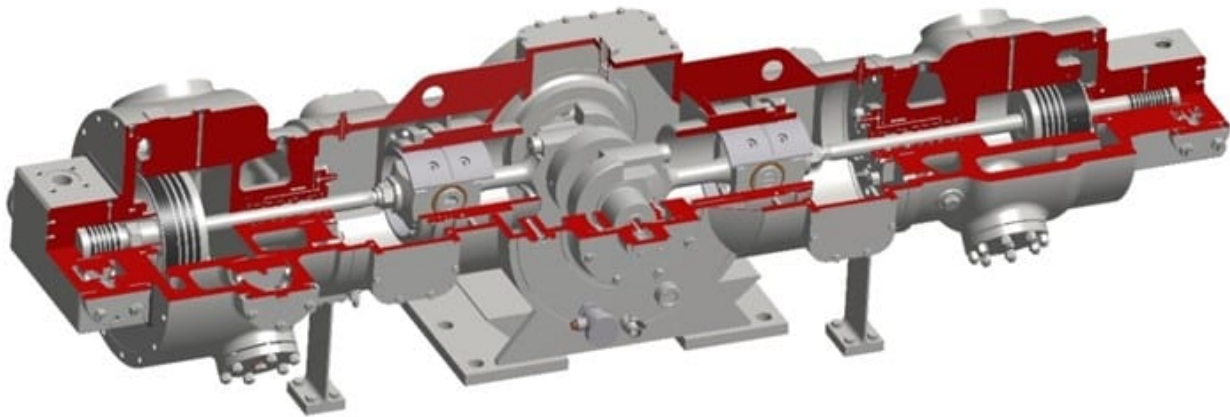
Model	Working pressure barg	Capacity m3/min	Power(KW)	Power(HP)	Dimensions			Weight (kg)
					L (mm)	W(mm)	H(mm)	
6-1	0.6-9	24-48	132-263	176-350	2750	1550	1820	3800
6- 5	0.6-12	45-82	248-450	330-600	3280	1850	2200	6300
6-30	0.6-12	76-122	400-640	530-900	3500	2000	2250	8160
6-40	0.6-12	118-150	630-800	840-1200	4200	2150	2350	11500
6-50	0.6-16	118-228	760-1300	1010-1750	4200	2150	2350	12000
6-100	0.6-16	186-310	980-1600	1320-2150	4600	2200	2500	17200
6-150	0.6-16	268-438	1380-2250	1840-3000	5300	2300	2970	21500

INGERSOLL RAND SMAL RECIPROCATING PISTON COMPRESSOR



Technical Parameters of Centrifugal Compressor

Model	Working pressure barg	Capacity m3/min	Power(KW)	Power(HP)	Dimensions			Weight (kg)
					L (mm)	W(mm)	H(mm)	
IHE 10-30	0.6-9	24-48	132-263	176-350	2750	1550	1820	3800
IHE 10-40	0.6-12	45-82	248-450	330-600	3280	1850	2200	6300
IHE 10-50	0.6-12	76-122	400-640	530-900	3500	2000	2250	8160
IHE 10-60	0.6-12	118-150	630-800	840-1200	4200	2150	2350	11500
IHE 10-75	0.6-16	118-228	760-1300	1010-1750	4200	2150	2350	12000
IHE 10-100	0.6-16	186-310	980-1600	1320-2150	4600	2200	2500	17200
IHE 10-150	0.6-16	268-438	1380-2250	1840-3000	5300	2300	2970	21500



Technical Parameters of Centrifugal Compressor

Model	Working pressure barg	Capacity m3/min	Power(KW)	Power(HP)	Dimensions			Weight (kg)
					L (mm)	W(mm)	H(mm)	
PHE 40-50	0.6-9	24-48	132-263	176-350	2750	1550	1820	3800
PHE 40-60	0.6-12	45-82	248-450	330-600	3280	1850	2200	6300
PHE 40-75	0.6-12	76-122	400-640	530-900	3500	2000	2250	8160
PHE 40-100	0.6-12	118-150	630-800	840-1200	4200	2150	2350	11500
PHE 40-120	0.6-16	118-228	760-1300	1010-1750	4200	2150	2350	12000
PHE 40-150	0.6-16	186-310	980-1600	1320-2150	4600	2200	2500	17200
PHE 40-180	0.6-16	268-438	1380-2250	1840-3000	5300	2300	2970	21500

Diaphragm compressor is a special structure positive displacement compressor

The cylinder does not need to be lubricated, the sealing performance is good, the compression medium does not contact any lubricant, and there is no pollution during the compression process, so the compression purity can reach 99.999%. It is especially suitable for the compression, transportation and bottling of high-value rare gases and highly corrosive, toxic, harmful, flammable, explosive, and radioactive gases.

Diaphragm compressor cylinder has good heat dissipation, simple structure and high efficiency. Two-stage compression can achieve high pressure and at the same time it can be close to isothermal compression. Therefore, it is used in industrial gas, food and medicine, petrochemical industry, aviation nuclear power, military equipment, scientific research and testing, etc. The field is widely used.

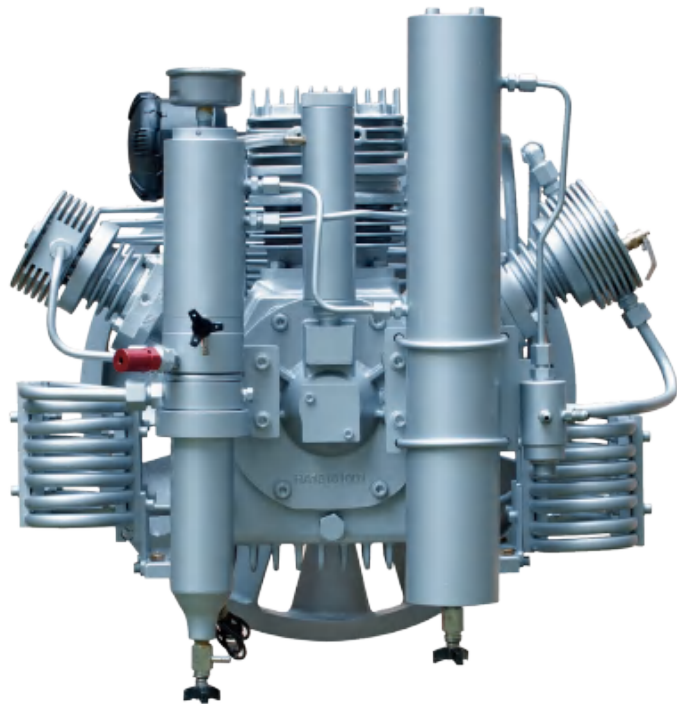


OIL FREE BOOSTER COMPRESSOR

Characteristics Of Core Components Of Oil-free Supercharger

[Overview Product Range]

The HA series medium and high pressure air compressors have small size, light weight, good balance, low noise, and are widely used in various industrial applications.



The HA series has a variety of blocks, using aluminum alloy crankcases and cylinder heads, suitable for different medium and high pressure compression fields.

W configuration - max. pressure 350Bar
X configuration - max. pressure 420Bar

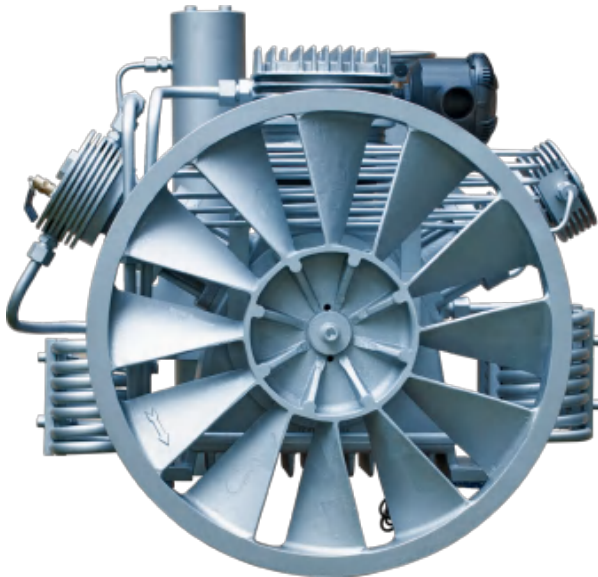
The intake filter/silencer effectively reduces intake noise while intercepting impurities in the intake, protecting the compressor.

Stainless steel intercoolers and aftercooler, cylinders with deep fins and aluminum cylinder heads, as well as flywheels with true fan blades, all provide good cooling for the unit, reducing its operating and discharge temperatures.

Low-pressure forced feed lubrication system ensures sufficient lubrication of the high-pressure stage. The oil pump is a heavy-duty gear type pump driven by the crankshaft with an oil filter to remove impurities from the oil circuit. The design of the entire lubrication system improves the life of the operating components of the unit.

The crankgear is a heavy-duty design and is precisely balanced to reduce unit vibration and balance connecting rod load, suitable for long-term stable operation.

The entire machine adopts high-quality components and low friction coefficient bearings, providing smooth operation and reducing power consumption; The front and rear bearings of the crankshaft are precisely aligned, extending the life of the crankshaft; Stainless steel valve plate is wear-resistant and has good heat dissipation; Nickel plated seats are more corrosion-resistant.



[SPECIFICATIONS]

Model	Pressure Bar	Flow m ³ /min	Power kw	Dimensions mm	Weight kg
COMPACT design					
HA0.1-330/ET	330	0.1	3	706*376*432	49
HA0.5-30/ETC	30	0.5	5.5	1228*593*714	130
HA0.35-80/ETC	50-80	0.35	5.5		136
HA0.3-250/ETC	100-250	0.3	7.5		138
HA0.3-350/ETC	250-350	0.3	7.5		140
HA1-40/ETC	40	1	15	1650*660*950	350
HA0.85-70/ETC	50-70	0.85	11		345
HA0.65-150/ETC	80-150	0.65	11		345
HA0.6-250/ETC	150-250	0.6	11		345
HA0.6-400/ETC	250-400	0.6	15		350
SILENT design					
HA0.5-30/ESC	30	0.5	5.5	1100*720*1365	264
HA0.35-80/ESC	50-80	0.35	5.5		270
HA0.3-250/ESC	100-250	0.3	7.5		272
HA0.3-350/ESC	250-350	0.3	7.5		273
HA1-40/ESC	40	1	15	1400*850*1660	490
HA0.85-70/ESC	40-70	0.85	11		485
HA0.65-150/ESC	80-150	0.65	11		485
HA0.6-250/ESC	150-250	0.6	11		485
HA0.6-400/ESC	250-400	0.6	15		490

1. If you have any other requirements, Please contact with HIGH AIR.
2. All parameters are subject to change without prior notice.



MICRO-OIL-RECIPROCATING PISTON BOOSTER

ENERGY-SAVING SUPERCHARGERS LOW NOISE, EARTHQUAKE, HIGH EFFICIENCY

[SPECIFICATIONS]

Model	Pressure Bar	Flow m³/min	Motor kw	Dimensions mm	Weight kg
HG1.2-50	50	1.2	18.5	1600×935×1052	350
HG1.5-50	50	1.5	22	1600×1030×1180	560
HG2-50	50	2	30	1800×1000×1200	1150
HG2.5-50	50	2.5	37	1800×1000×1200	1170
HG3-50	50	3	45	2070×1100×1430	1400
HG4-50	50	4	55	2070×1100×1430	1470
HG1.2-70	70	1.2	18.5	1600×935×1052	350
HG1.5-70	70	1.5	22	1600×1030×1180	560
HG2-70	70	2	30	1800×1000×1200	1150
HG2.5-70	70	2.5	37	1800×1000×1200	1170
HG3-70	70	3	45	2170×1310×1460	1350
HG4-70	70	4	55	2270×1310×1460	1550
HG1-100	100	1	22	1600×1030×1180	550
HG2-100	100	2	37	1850×1060×1200	1180
HG3-100	100	3	55	2270×1310×1460	1550
HG4-100	100	4	75	2270×1310×1460	1600
HG6-100	100	6	110	3060×1980×1910	4650
HG8-100	100	8	132	3060×1980×1910	4820
HG1-150	150	1	22	1600×1030×1180	550
HG1.5-150	150	1.5	30	1800×1140×1200	1050
HG2-150	150	2	37	1800×1140×1200	1100
HG3-150	150	2.8	55	2220×1280×1460	1600
HG5-150	150	5	90	2420×1650×2130	3000
HG6-150	150	6	110	3060×1980×1910	4650
HG7-150	150	7	132	3060×1980×1910	4820
HG1-250	250	1	22	1600×1030×1180	550
HG1.5-250	250	1.5	37	1800×1140×1200	1100
HG2-250	250	2	45	2220×1280×1460	1600
HG3-250	250	2.8	55	2220×1280×1460	1600
HG4-250	250	4	90	2420×1650×2130	3000
HG5-250	250	5	110	3130×2140×1910	4800
HG6-250	250	6	132	3130×2140×1910	5000
HG1-350	350	1	22	1600×1030×1180	550
HG1.5-350	350	1.5	37	1850×1060×1200	1180
HG2-350	350	2	45	2300×1280×1430	1500
HG2.5-350	350	2.5	55	2300×1280×1430	1570
HG4-350	350	4	90	2420×1650×2130	3000
HG5-350	350	5	110	3130×2140×1910	4800
HG6-350	350	6	132	3130×2140×1910	5000
HG1.5-400	400	1.5	37	2300×1280×1430	1470
HG2-400	400	2	55	2300×1280×1430	1500
HG4-400	400	4	90	2420×1650×2130	3000
HG5-400	400	5	110	3130×2140×1910	4800
HG6-400	400	6	132	3130×2140×1910	5000

- All size parameters are for air-cooled belt drive units.
- All parameters are subject to change without prior notice.



IRAIND CO.

شرکت صنایع هوای فشرده ایران

SPECIFICATIONS

Model	Capacity (m ³ /min)	Pressure (Bar G)	Number Of Stages	Motor Power (Kw)	Electrical Supply	Dimention L x W x H	Weight Kg
HA320-7	0.2	150	3	4	380/3/50	950 X 660 X 800	181
HA320-10	0.3	150	3	7.5	380/3/50	950 X 660 X 800	190
HA420-22	0.65	150	4	15	380/3/50	1080 X 790 X 1530	385
HA420-26	0.75	150	4	18.5	380/3/50	1080 X 790 X 1530	400
HA420-35	1.0	120	4	18.5	380/3/50	1600 X 1100 X 1100	580
HA420-53	1.5	120	4	22	380/3/50	1600 X 1100 X 1100	580
HA335-7	0.2	250	3	4	380/3/50	950 X 660 X 800	181
HA335-9	0.25	250	3	5.5	380/3/50	950 X 660 X 800	190
HA335-10	0.3	250	3	7.5	380/3/50	950 X 660 X 800	200
HA435-22	0.65	250	4	15	380/3/50	1080 X 790 X 1530	385
HA435-26	0.75	250	4	18.5	380/3/50	1080 X 790 X 1530	400
HA435-35	1.0	225	4	22	380/3/50	1600 X 1100 X 1100	580
HA350-7	0.2	350	3	4	380/3/50	950 X 660 X 800	181
HA350-9	0.25	350	3	5.5	380/3/50	950 X 660 X 800	190
HA350-10	0.3	350	3	7.5	380/3/50	950 X 660 X 800	200
HA450-22	0.65	350	4	15	380/3/50	1080 X 790 X 1530	385
HA450-35	1.0	350	4	30	380/3/50	1800 X 900 X 1200	500
HA460-18	0.55	400	4	11	380/3/50	1080 X 790 X 1530	380
HA460-22	0.65	400	4	15	380/3/50	1080 X 790 X 1530	385

