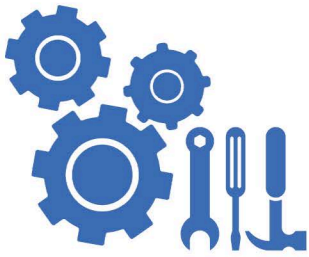
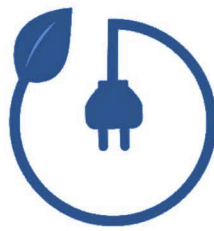




Air Power System



save maintenance cost



Electricity saving



Quality guarantee

Power Compressor



- Supply constant pressure gas: improve production efficiency and production quality
- Improve produce gas efficiency about 5% to 45%
- Prolong the service life of compressor: from the 10-15 years increased to 15-20 years
- Improve transformer and grid operation effect
- To reduce noise
- Price advantage

Air Power System Co.,Ltd.

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Air Power System

Power Compressor

APF Series (Direct) Variable Frequency Screw Compressor

AP Variable Frequency Screw Compressor

: APF variable frequency screw compressor equipped with special customized inverter system, using the latest technology IGBT4 chip, which has the latest, reliable quality and long service life etc. energy saving effect plays the leading role in the world.



Energy-saving Principle

:Due to the electrical machine rotate speed and the air compressor's actual power consumption have made into a m^2 relations, the motor speed reducing will decrease actual power consumption. Variable frequency air compressor adopts pressure sensor to instantly induction system in actual use pressure and air capacity, through control of the electrical and frequency converter, to change compressor speed, through no changing the air compressor motor torque circumstances (namely the output power), which regulates the system pressure, so as to realize the compressed air on-demand output. When the system is low, the air capacity space-time co capacity compressor provide compressed air quantity greater than system air, frequency conversion air compressor reduce output compressed air volume, conversely improve click RPM increases compressed air quantity to maintain stability of the system pressure value.



Power Compressor

APF Series (Direct) Variable Frequency Screw Compressor Technical Parameters

: Air flow capacity (m³/min) cfm

Model	0.7 Mpa		0.8 Mpa		1.0 Mpa		1.3 Mpa		Power		Noise	Outlet	Dimension	Weight
	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm	Kw	Hp	dB[A]	Inch	WxDxH mm	Kg
APF-30A	3.6	127.1	3.4	120.0	3.2	113.0	2.8	98.9	22	30	68	G1"	1300x920x110	730
APF-50A	6.50	229.5	6.20	219.0	5.60	197.8	4.9	173.0	37	50	69	G1 1/2"	1450x1000 x1240	950
APF-75A/W	10.10	356.7	9.50	335.5	8.50	300.2	7.5	264.9	55	75	70	G2"	1720x1200x1340	1750
APF-100A/W	13.60	480.3	12.80	452.0	12.30	434.4	10.2	360.2	75	100	72	G2"	2010x1260x1460	1980
APF-125A/W	16.10	568.5	15.50	547.4	14.00	494.4	12.5	441.4	90	125	72	DN50	2010x1260x1460	2580
APF-150A/W	21.20	748.7	19.60	692.2	17.80	628.6	15.5	547.4	110	150	73	DN65	2300x1600x1790	2900
APF-175A/W	24.10	851.0	23.20	819.3	20.50	724.0	17.8	628.6	132	175	74	DN65	2300x1600x1790	3100
APF-220A/W	28.80	1017.0	27.80	981.7	25.50	882.9	22.4	791.0	160	220	75	DN80	2650x1700x1850	3600
APF-250A/W	32.50	1147.8	31.20	1101.8	28.00	988.8	25.8	911.0	185	250	77	DN80	2650x1700x1850	3980
APF-270A/W	34.50	1218.4	34.00	1200.7	30.50	1077.0	28	988.8	200	270	76	DN80	2650x1700x1850	4350
APF-300A/W	36.80	1299.6	34.70	1225.4	31.50	1112.4	29.5	1041.8	220	300	80	DN100	3000x1900x1930	4950
APF-350A/W	43.00	1518.5	41.50	1465.6	38.00	1342.0	34.9	1232.5	250	350	78	DN100	3000x1900x1930	5300
APF-375A/W	51.35	1813.4	50.59	1786.6	46.06	1626.6	41.51	1466.0	280	375	82	DN125	4200x2200x2240	7600
APF-400A/W	56.79	2005.4	55.95	1975.9	50.08	1768.6	45.62	1611.0	315	400	82	DN125	4200x2200x2240	7600
APF-450A/W	66.08	2333.6	65.43	2310.6	55.12	1946.5	49.58	1750.9	355	450	83	DN125	4200x2200x2240	8200
APF-500A/W	75.05	2473.8	74.31	2624.2	64.46	2276.4	58.07	2020.7	400	500	83	DN125	4200x2200x2240	8200

Note :

- A r e p r e s e n t s a i r - c o o l i n g t y p e , W r e p r e s e n t s w a t e r - C o o l i n g t y p e ;
- Working environment temperature:-5° C ~ -45 ° C ;
- Discharge temperature is less than ambient temperature about +10° C ~ 15 ° C ;
- Drive mode: Coupling direct driven;
- Startup mode : frequency start;
- Work power : 380V / 50HZ, 460V / 230V voltages can be made for Customers;
- F.A.D volume flow test is according to ASMC PTC9 or ISO1217 standard(GB/T3853).
- When our products improved, material may change without notice
- Accept customer's special request type , and less than 1.5 Mpa models orders;



Air Power System



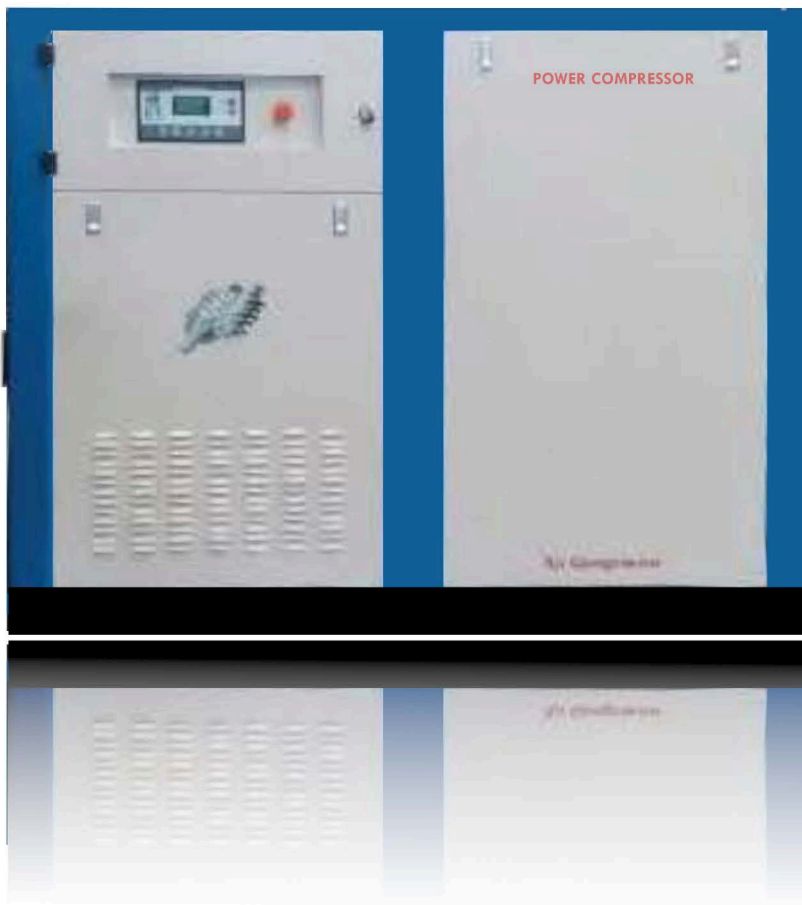
Air Power System

Power Compressor

AP Series Screw Compressor

Belt Screw Compressor

Adopting Germany-made belt transmission, transmission efficiency can reach 99%, Unique auto BCA tension adjusting device ensuring constant transmission efficiency and excellent drive system reliability.



Direct Screw Compressor

High Efficient And Reliable Direct Drive System
The rotor and motor direct drive through the flexible coupling, no transmission loss of energy consumption, higher transmission efficiency, higher reliability, bigger gas production, and more energy efficient (22kW-250kW type);

Rotor, siding gears and motor through the flexible coupling connect, the coupling transmission is more efficiency than the belt transmission, also get more compressed air for the same energy consumption (280kW-400kW type);

Automatic absorption of peak torque, avoid wallop. Reduce wearing part. Increase reliability. and reduce Maintenance costs.



Air Power System

Power Compressor

AP Series (Belt) Screw Compressor Technical Parameters

: Air Flow capacity m³/min

Model	0.7 Mpa		0.8 Mpa		1.0 Mpa		1.3 Mpa		Power		Noise dB[A]	Outlet Inch	Dimension WxDxH mm	Weight Kg
	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm	Kw	Hp				
AP-7.5A	0.9	32.1	0.84	26.5	0.75	26.5	0.63	22.2	5.5	7.5	65	G3/4"	780x680x800	300
AP-10A	1.30	45.9	1.20	35.3	1.00	35.3	0.84	29.6	7.5	10	65	G3/4"	780x680x800	320
AP-15A	1.70	60.0	1.60	49.4	1.40	49.4	1.20	42.4	11	15	65	G3/4"	1100x800x980	400
AP-20A	2.40	84.8	2.30	70.6	2.00	70.6	1.60	56.5	15	20	68	G3/4"	1100x800x980	430
AP-25A	3.00	105.9	2.90	95.3	2.70	95.3	2.30	81.2	18.5	25	68	G1"	1250x870x1180	590
AP-30A	3.70	130.7	3.60	113.0	3.20	113.0	2.80	98.9	22	30	68	G1	1250x870x1180	650
AP-40A	5.20	183.6	5.00	158.9	4.50	158.9	3.80	134.2	30	40	69	G1	1250x870x1180	750
AP-50A	6.50	229.5	6.20	197.2	5.60	197.8	4.90	173.0	37	50	69	G 1/2"	1540x950x1310	880
AP-60A	8.00	282.5	7.30	247.2	7.00	247.2	5.90	208.4	45	60	70	G 1/2"	1540x950x1310	1000
AP-75A/W	10.10	356.7	9.50	335.5	8.70	307.2	7.80	275.5	55	75	70	G2"	1600x1150x1420	1500

AP Series (Direct) Screw Compressor Technical Parameters

: Air Flow capacity m³/min

Model	0.7 Mpa		0.8 Mpa		1.0 Mpa		1.3 Mpa		Power		Noise dB[A]	Outlet Inch	Dimension WxDxH mm	Weight Kg
	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm	m ³ /min	cfm	Kw	Hp				
AP-30A	3.6	127.1	3.4	120.0	3.2	113.0	2.8	98.9	22	30	68	G1"	1300x920x110	700
AP-50A	6.50	229.5	6.20	219.0	5.60	197.8	4.9	173.0	37	50	69	G1 1/2"	1450x1000 x1240	900
AP-75A/W	10.10	356.7	9.50	335.5	8.50	300.2	7.5	264.9	55	75	70	G2"	1720x1200x1340	1700
AP-100A/W	13.60	480.3	12.80	452.0	12.30	434.4	10.2	360.2	75	100	72	G2"	2010x1260x1460	1900
AP-125A/W	16.10	568.5	15.50	547.4	14.00	494.4	12.5	441.4	90	125	72	DN50	2010x1260x1460	2500
AP-150A/W	21.20	748.7	19.60	692.2	17.80	628.6	15.5	547.4	110	150	73	DN65	2300x1600x1790	2800
AP-175A/W	24.10	851.0	23.20	819.3	20.50	724.0	17.8	628.6	132	175	74	DN65	2300x1600x1790	3000
AP-220A/W	28.80	1017.0	27.80	981.7	25.50	882.9	22.4	791.0	160	220	75	DN80	2650x1700x1850	3500
AP-250A/W	32.50	1147.8	31.20	1101.8	28.00	988.8	25.8	911.0	185	250	77	DN80	2650x1700x1850	3800
AP-270A/W	34.50	1218.4	34.00	1200.7	30.50	1077.0	28.0	988.8	200	270	76	DN80	2650x1700x1850	4200
AP-300A/W	36.80	1299.6	34.70	1225.4	31.50	1112.4	29.5	1041.8	220	300	80	DN100	3000x1900x1930	4800
AP-350A/W	43.00	1518.5	41.50	1465.6	38.00	1342.0	34.9	1232.5	250	350	78	DN100	3000x1900x1930	4200
AP-375A/W	51.35	1813.4	50.59	1786.6	46.06	1626.6	41.5	1466.0	280	375	82	DN125	4200x2200x2240	7600
AP-400A/W	56.79	2005.4	55.95	1975.9	50.08	1768.6	45.6	1611.0	315	400	82	DN125	4200x2200x2240	7600
AP-450A/W	66.08	2333.6	65.43	2310.6	55.12	1946.5	49.6	1750.9	355	450	83	DN125	4200x2200x2240	8200
AP-500A/W	75.05	2473.8	74.31	2624.2	64.46	2276.4	58.1	2020.7	400	500	83	DN125	4200x2200x2240	8200

Air Compressor Components

Rotary-mounted oil filter

Fix and replace easily. Good sealing. Earing high pressure. And good filtering effect.



Micro-computer control system

Adjustable for air capacity function. communication testing and fault alarm

in front cover

Minimum Pressure Valve

Stable pressure. Pressure loss is lower.



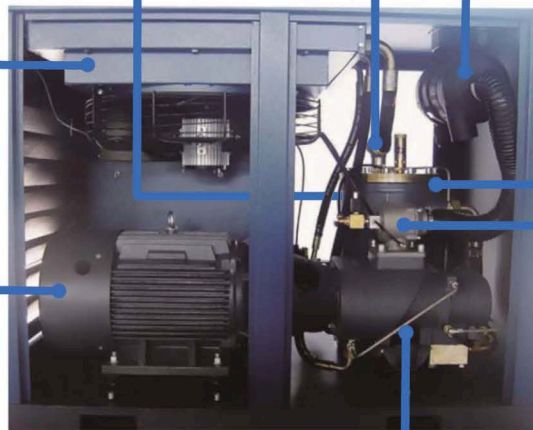
Air Filter

Reliable and durable. Use polypropylene material. More impact resistance



Air Cooler

Special contrition design. Can use On different environment conditions. Aluminium materail design. Excellent Cooling effect.d



Oil-air separator

Good separating effect.



Motor

SKF bearing. more durable and reliable. High efficiency. Energysaving and long life. Protection grade and insulation class can be Made as yore request.



Air End

Double screw air end
Big rotors, Low speed, high efficiency



Air inlet valve

Special inlet design. Reliable and less damage. Replace easily