ROTORCOMP VERDICHTER
Quality.Our DNA

AIRERA

COOPERATIVE PARTNERS

Origin From Germany

Compressor System Expert

To Serve The World

SHANGHAI BESTCOMP COMPRESSOR CO., LTD

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IN RETROSPECT

Since 1981, Shanghai Bestcomp Compressor Co., Ltd has been dedicated to the development&production of compressors over 4 decades, it has overseas R&D centers + provincial enterprise technology centers, 106 R&D technicians, 12 third-generation Rotorcomp patented lines, and cooperates with German Rotorcomp and American NREC to enhance technology R&D innovation capabilities and resource integration capabilities.

- **1978** Development of our first own screw compressor with "ROLLING PROFILE®"
- **1980** Foundation of ROTORCOMP VERIDICHTER GmbH in Munich, Germany
- **1991** Delivery of the first encapsulated screw compressor NK 40
- **1996** Complete product line of air ends (B-series) from 5.5 up to 110 kW (up to 15 barg)
- **1998** Complete product line of compact units (NK-series) from 5.5 up to 45 kW (up to 15 barg)
- **1999** ROTORCOMP delivers more than 10.000 screw units per year, founded shanghai rotorcomp screw compressor company in shanghai city, China
- **2000** Delivery of the first serial booster module MK 80 (up to 40 barg, 48 kw)
- **2002** Start up of our new state of the art factory UNICCOMP in the south of Munich for production of low and medium pressure screw compressors blocks and compact units, high and medium pressure piston compressor blocks as well as various components
- **2006** Formation of the business unit SCREW COMPRESSOR TECHNOLOGY within the BAUER GROUP; responsible for marketing & sales, product development and production of screw compressors
- **2007** Expansion of our factory UNICCOMP to increase production capacity for machining operations and rotor production for screw compressors
- **2008** Start up of the new test centre at UNICCOMP for endurance tests of new or modified screw compressors for worldwide approval and continuous monitoring of serial production to ensure highest quality Made in Germany
- **2009** ROTORCOMP delivers more than 30.000 air ends and compact units per year to the world market and is a leading supplier of oil-injected screw compressors for OEM customers
- **2010** 30 Years of INNOVATION
  Introduction of 3 new and innovative product generations to the world market:
  EVO oil-injected air ends
  EVO -NK oil-injected compact units
  ETC -SV/IV catalytic converter for oil-free air class 0
- **2013** The new model of screw units unveiled service for the whole world
- **2014** Delivered more than 36,000 screw ends
- **2015** Building joint venture with RIMA(HONGKONG)International co., ltd and invested to develop oil free scroll compressor in Zhejiang China.
- **2016** After the comprehensive acquisition of Shanghai Rotorcomp in 2020， Airera has overseas R&D centers + provincial enterprise technology centers, Hebei and Henan production bases.
- **2017** Airera has been served customers include Huawei, Sinopec, GE, CNNR, CNPC, BYD, TOYOTA, Air product, PYLONTECH……etc. over 48 countries. We keep going to contribute to green world with higher efficient clean air products.
- **2018** Shanghai rotorcomp launched a completely new range of high efficiency, oil-free water-lub screw compressors meet ISO 8573-1 Class Zero to further enhance application scopes of food and bev erage processing, the pharmaceutical industry (manufacturing and packaging), waste water treat ment, chemical industries.
- **2019** New generation PM VSD compressorissued, reach top standard GB19153-2019,energy saving performance is more 30%～42%, than last generation,wider frequency adjustable from 30hz to 200hz.
- **2020** Built joint venture with Shanghai Rotorcomp to develop new oil free scroll compressor and deliv ered more than 1,200sets for oxygen generation projects to fight with Covid-19 over 20 countries.

AIRERA ISO CE TÜV SÜD SGS MA

AIRERA ISO CE TÜV SÜD SGS MA

PROCESSING EQUIPMENT

With the advanced detection device and systemic method of detection we organize every procedure and quality checking.which affect the product quality will be strictly controlled. specific task,responsibilities,permissions,intercoordination and cross-promotion work together and form the whole quality management system.

BW CNC vertical and horizontal machining center(Germany)

Holroyd rotor profile grinder(UK)

Toshiba horizontal machining center(Japan)

PRODUCT CERTIFICATE

AIRERA ISO CE TÜV SGS MA

DETECTION EQUIPMENT

AIRERA ISO CE TÜV SGS MA

SERIES SCREW COMPRESSOR

HIGH END NK SERIES SCREW COMPRESSOR

Hot sale! Oil Lube Rotary Screw Air Compressor

Description:

1.World-leading integrated screw air end

2.Good environmental adaptability

3.Extraordinary cooling system design

4.Economic running costs

5.ISO,TUV,GA,SGS,CE and MA certificates

INTEGRATED COMPONENTS ARE

>>EVO oil injected air end with rolling profile
>>Intake valve with control unit and air filter
>>Oil reservoir and oil separation system with coalescing cartridge(e)
>>Oil filter and oil thermostatic valve
>>Minimum pressure and non-reture valve
>>Various options available such as safety valve, oil level sight glass.maintenance indicators

AIRERA ISO CE TUV SGS MA

Model	Capacity m3/min*					Power (Kw)	Weight Kg	Noise dB(A)**	Dimension L×W×H(mm)
	7 bar	8 bar	10 bar	13 bar	15 bar				
AGFD-7.5	1.30	1.20	1.04	0.90	0.80	7.5	290	65±3	800×750×900
AGFD-11	1.70	1.79	1.58	1.32	1.17	11	350	65±3	800×750×900
AGFD-15	2.45	2.40	2.15	2.00	1.65	15	360	67±3	1080×750×1000
AGFD-18.5	3.10	3.00	2.80	2.50	2.10	18.5	565	70±3	1310×850×1160
AGFD-22	3.69	3.60	3.20	2.75	2.45	22	600	70±3	1310×850×1160
AGFD-30	5.20	5.00	4.50	3.70	3.25	30	810	72±3	1500×1000×1320
AGFD-37	6.50	6.40	5.80	4.80	4.30	37	830	72±3	1500×1000×1320

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure.

**Emitted sound level as per PN8NTC2.3.

Note:

1. Can be customized according to the user's requirements: air-cooled / water-cooled type, oil content, the special outline dimension design according to need to order and technical agreement shall prevail;
2. Frequency converters (optional);
3. 1 year warranty for compressor unit, 5 years warranty for air end.

HIGH END NK SERIES ROTA

ADVANTAGES OF ROTORCOMP -COMPACT UNITS

Made in Germany

Advantages for Manufacturers

- Reduced design costs increase of profitability
- High operation reliability
- Small space requirement with compact design
- Customlsed for OEM
- Pre-define total costs
- Lower assembly costs
- Simplified service and maintenance
- Simplified purchase of technical equipment
- Competitive design package
- Solid cast iron low operation noise
- Simplified and safe handling/application high technical standard
- Lower assembly costs
- Variable applications

AIRERA ISO CE TUV SGS MA

HIGH END EVO SERIES SCREW COMPRESSOR

The screw air end of compressor

Made In Germany

Advantages of our new EVO technology

>New ROLLING PROFILE– ultimate efficiency with reduced noise

>Long life cycle due to increased bearing dimensions and wear-free ROLLING PROFILE

>Wide operating pressure range from 5 to 15 barg

>High quality manufacturing and assembling – "Made in Germany"

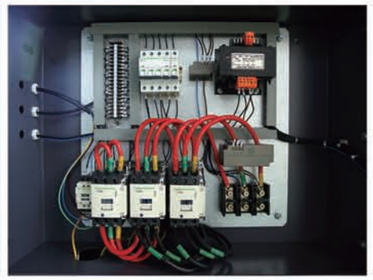
>Quality assurance – bench test of every air end before leaving our factory

>Easy application selection with our new ROTORCOMP-SIZING AIR software

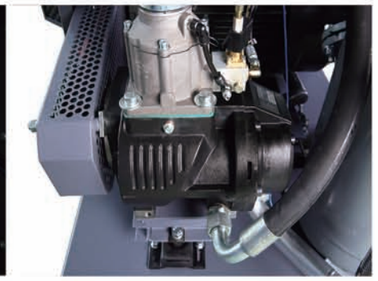
>Highest flexibility for your package design

- Suitable for all types of drive driving motors
- Drive options: Belt drive, direct drive, internal gear drive
- Base and face-flange mounting

1.Special driving guard system to keep long-term working more safe



2.Pick up French White High-end Schneider contactor,more durable in extreme enviroment



3.Advanced oil &Air system to keep higher efficient

Model	Capacity(m3/min)*				Power(kw)		In/outle	Noise	Dimension	Weight
	8bar	10bar	13bar	15bar	Motor	Motor(Fan)		dB(A)**	L×W×H in mm	kg
AGFD-5.5	0.87	0.75	0.61	0.53	5.5	0.09	G3/4	69	800×750×900	300
AGFD-7.5	1.2	1.04	0.9	0.8	7.5	0.09	G3/4	69	800×750×900	320
AGFD-11	1.79	1.58	1.32	1.17	11	0.18	G1	70	950×850×1000	340
AGFD-15	2.4	2.15	1.84	1.65	15	0.18	G1	70	950×850×1000	360
AGFD-18.5	3	2.8	2.50	2.1	18.5	0.75	G1	72	1310×850×1160	730
AGFD-22	3.6	3.2	2.75	2.45	22	0.75	G1	72	1310×850×1160	650
AGFD-30	5	4.5	3.7	3.25	30	0.75	G1-1/4	72	1310×850×1160	850
AGFD-37	6.4	5.8	4.8	4.3	37	1.5	G1-1/4	72	1500×1000×1320	1180
AGFD-45	7.6	7	5.8	5	45	1.5	G1-1/4	72	1500×1000×1320	1280
AGFD-55	10	9	7.8	6.5	55	1.5	G2	76	1750×1200×1500	1380
AGFD-75	13	11.5	9.8	8.8	75	1.5	G2	76	1750×1200×1500	1540
AGFD-90	16.5	14.3	12	11	90	2.2	G2	79	1750×1200×1500	1850
AGFD-110	20.5	17.5	14.5	13.5	110	2.2	G2-1/2	79	2350×1500×1760	2200
AGFD-132	23.5	21	18.5	16	132	2.2	G2-1/2	79	2350×1500×1760	2200

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Note:

1. Can be customized according to the user's requirements: air-cooled / water-cooled type, oil content, the special outline dimension design according to need to order and technical agreement shall prevail;
2. Frequency converters (optional);
3. 1 year warranty for compressor unit, 5 years warranty for air end.

NEW ROTORCOMP SIZING AIR SOFTWARE

>Recommends the most effcient EVO types
>Calculates performance data
>Indicates technical limits
>Provides essential information for your drive
>Determines important data for your cooling system

AIRERA

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HIGH END EVO SERIES SCREW COMPRESSOR

The screw air end of compressor

Made In Germany

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>Easy application selection with our new ROTORCOMP-SIZING AIR software

>Highest flexibility for your package design

- Suitable for all types of drive driving motors
- Drive options: Belt drive, direct drive, internal gear drive
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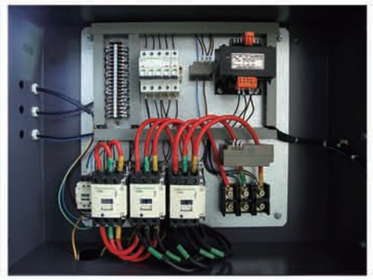
1.Special driving guard system to keep long-term working more safe



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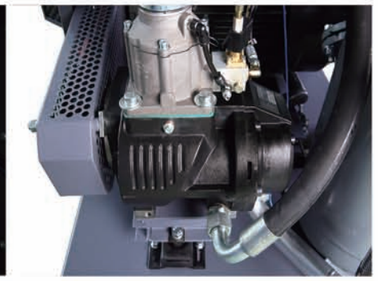

3.Advanced oil &Air system to keep higher efficient

Model	Capacity(m3/min)*				Power(kw)		In/outle	Noise	Dimension	Weight
	8bar	10bar	13bar	15bar	Motor	Motor(Fan)		dB(A)**	L×W×H in mm	kg
AGFD-5.5	0.87	0.75	0.61	0.53	5.5	0.09	G3/4	69	800×750×900	300
AGFD-7.5	1.2	1.04	0.9	0.8	7.5	0.09	G3/4	69	800×750×900	320
AGFD-11	1.79	1.58	1.32	1.17	11	0.18	G1	70	950×850×1000	340
AGFD-15	2.4	2.15	1.84	1.65	15	0.18	G1	70	950×850×1000	360
AGFD-18.5	3	2.8	2.50	2.1	18.5	0.75	G1	72	1310×850×1160	730
AGFD-22	3.6	3.2	2.75	2.45	22	0.75	G1	72	1310×850×1160	650
AGFD-30	5	4.5	3.7	3.25	30	0.75	G1-1/4	72	1310×850×1160	850
AGFD-37	6.4	5.8	4.8	4.3	37	1.5	G1-1/4	72	1500×1000×1320	1180
AGFD-45	7.6	7	5.8	5	45	1.5	G1-1/4	72	1500×1000×1320	1280
AGFD-55	10	9	7.8	6.5	55	1.5	G2	76	1750×1200×1500	1380
AGFD-75	13	11.5	9.8	8.8	75	1.5	G2	76	1750×1200×1500	1540
AGFD-90	16.5	14.3	12	11	90	2.2	G2	79	1750×1200×1500	1850
AGFD-110	20.5	17.5	14.5	13.5	110	2.2	G2-1/2	79	2350×1500×1760	2200
AGFD-132	23.5	21	18.5	16	132	2.2	G2-1/2	79	2350×1500×1760	2200

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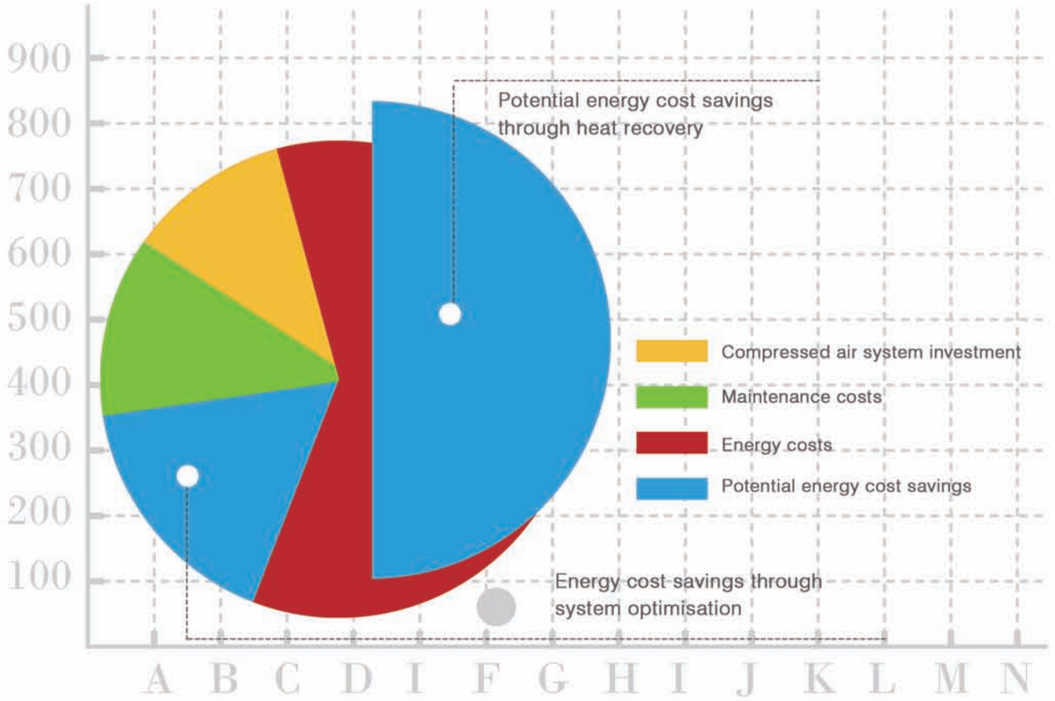
ADVANTAGES OF AIRERA VSD COMPRESSOR

1. The air end made In Germany
2. Wider frenquency change from 15-60Hz to keep more safe and lower cost after long-term working than most of suppliers in the world
3. Only choose best IP55 VSD main motor with 1.2 service factor and and VSD fan motor for cooling system,reach higher energy-saving standard:CN.CE-1306-06/16
4. Patented driving guard system
5. Multi-touch controller to make it easier to control



PRINCIPLE OF VECTOR CONTROL VSD TECHNOLOGY:

The frequency control allows for a very large FAD regulation from 25% up to 100%. Adaptation to differing compressed air requirements is assured by infinite speed adjustment of the drive motor which is actuated by a frequency converter with simultaneous speed adjustment of the compressor air end.
Due to the extensive range of frequency adjustments, it is possible, even in case of little air consumption, to adapt the air delivery to the actual demand in compressed air and to almost completely avoid switching and idle operation.

Model	Air flow(m3/min)*				Power(kw)		In/outle	Noise	Dimension	Weight
	8bar	10bar	13bar	15bar	Motor	Motor(Fan)		dB(A)**	L×W×H in mm	kg
AGFD-5.5 VP	0.22-0.87	0.19-0.75	0.16-0.61	0.14-0.53	5.5	0.09	G1	69	800×750×900	400
AGFD-7.5 VP	0.30-1.20	0.25-1.04	0.25-0.90	0.20-0.80	7.5	0.09	G1	69	800×750×900	420
AGFD-11 VP	0.45-1.79	0.40-1.58	0.33-1.32	0.30-1.17	11	0.18	G1	70	800×750×900	440
AGFD-15 VP	0.60-2.40	0.54-2.15	0.50-1.84	0.42-1.65	15	0.18	G1	70	1080×750×1000	460
AGFD-18.5 VP	0.75-3.00	0.73-2.80	0.63-2.50	0.53-2.10	18.5	0.37	G1	72	1310×850×1160	550
AGFD-22 VP	0.90-3.60	0.80-3.20	0.70-2.75	0.65-2.45	22	0.37	G1	72	1310×850×1160	570
AGFD-30 VP	1.25-5.00	1.15-4.50	0.95-3.70	0.85-3.25	30	0.75	G1-1/4	72	1500×1000×1320	780
AGFD-37 VP	1.60-6.40	1.45-5.80	1.20-4.80	1.10-4.30	37	0.75	G1-1/4	72	1500×1000×1320	860
AGFD-45 VP	1.90-7.60	1.75-7.00	1.45-5.80	1.25-5.00	45	1.1	G1-1/4	72	1500×1000×1320	880
AGFD-55 VP	2.50-10.0	2.25-9.00	2.00-7.80	1.65-6.50	55	1.1	G2	76	1750×1200×1500	1280
AGFD-75 VP	3.25-13.0	2.90-11.5	2.45-9.80	2.20-8.80	75	1.1	G2	76	1750×1200×1500	1440
AGFD-90 VP	4.20-16.5	4.80-14.3	3.00-12.0	2.75-11.0	90	2.2	G2	79	1750×1200×1500	2000
AGFD-110 VP	5.20-20.5	4.50-17.5	3.70-14.5	3.50-13.5	110	2.2	G2	79	2350×1500×1760	2400
AGFD-132 VP	5.90-23.5	5.30-21.0	4.75-18.5	4.00-16.0	132	2.2	G2	79	2350×1500×1760	2400

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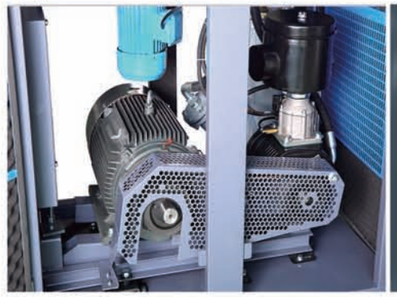
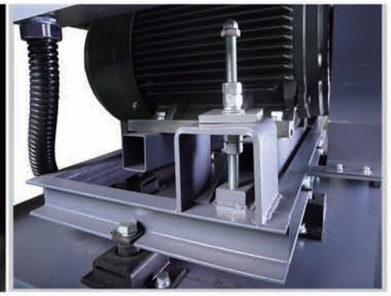




AIRERA

AGCD SERIES DIRECT DRIVEN SCREW COMPRESSOR

Very Competitive Pricing

Low Capital Cost + Low Operating Cost +Exceptional Reliability & Efficiency = Economical Cost

SCREW ROTOR PROFILE DESIGN FEATURES:

First, the curved face of the rotors engaged fully, thus contributing to the formation of a hydrodynamic lubrication film, reducing the contact zone of the lateral leakage, improve compressor efficiency; as well as to improve the processing, test performance of the rotor.

Second, using the design ideas of bigger rotor, bigger bearing, low-speed ", speed lower than other brands up to 30 ~ 50%, this could reduce noise and vibration, reducing the compressed air temperature and improve the rigidity of rotor and prolong its life, reduce sensitivity to the impurity and the oil carbide.

Third, fully meet or exceed the national standard GB19153-2003 "air compressors energy efficiency limit !

DESCRIPTION:

1. Drives and electrics

The almost loss-free power transmissionguarantees reliable, high-performance compressor operation. The regular maintenance requirement is reduced to lubrication of the motor. All the electronic components are brand products of leading manufacturers.

2. Air end block – reliable centrepiece – Design in Germany

The centrepiece of the compressor is the air end, which is constructed and manufactured with the most modern production methods in Germany. The optimal air end for your compressor can be used on a modulating basis. In frequency-controlled units, where the operating pressure changes, adjustments can also be made on the frequency controller to optimally adjust the speed of the compressor to the compressor performance.

3. Electric motor

Only electric motors from well-known manufacturers of protection class IP54/IP23 are used. As a standard, the drive motors are monitored both thermally (via the thermistor of the motor) as well as electronically

4. Oil separation system

Compressors up to 132 kW are equipped with external separators that can be changed in a simple spin-off/spin-on process. Larger units have an internal separator cartridge. Due to the excellent separation efficiency of the system as a whole, the compressors can be used in the pressure range of 5.0 to 15.0 bar. Special pressures on request.

5. Oil circuit

The amount of oil in the units is determined in such a way as to extend the oil change intervals (depending on ambient conditions).An oil level sensor is integrated as standard and is read by the controller. All the units in this series have a horizontal oil separation vessel in which the oil is separated from the compressed air highly efficiently at low speeds.

AIRERA

ADVANCED DESIGNS FOR EXCELLENT PERFORNACE

Multi-touch control,unmanned operation,intelligent operation;
Main and key parts all introduce imported brands to ensure that control system is reliable;
With AD/DB,continuous three operation modes to minimize the operating costs;
Phase sequence protection, motor overload protection function;
Automatic start/stop function;
Air flow automatic adjustement function;
Overpressure,overtemperature automatic alarm and shutdown protection function;
Oil-air separator,filters high pressure drop alarm protection function;
Can realize local,remote and multiple compressors joint control.

1. Air end-made in Germany

Ultimate efficiency and reduced noise of advantages of our new EVO® technology of air end made in Germany

2. Cooling system

Optimized air-cooed system, higher-efficent fan motor and oversized cooler german designed with excellent enegy-saving performance, durable in high-temp working environment

3. Air Filter

It has 99.99 % filtration efficiency and fully complies with IS0 5011 standards.

4.Oil Separation System

The air purity meets ISO standard 8573-1:1991, Class 3 0il Residues.

5. Intelligent control System

Simply control with all the parameters show on the screen, high precisely durbale button and remote control optional. Coloful multi-touch screen as option.

6. Higher efficient energy-saving motor

IP55 IE-3 motor in CE &MEPS standard high temperature F class, Optimized fan and fan cover designs ensure the optimum cooling and quieter operation. Over sized cast iron conduit boxes make connections easy.Safe and reliable operation in high-temp working environment.

7. New switch cabinet

No fuse for control line: Stable and reliable protection for exposed terminals: safety
High quality transformer: CE; Stable and reliable
High quality terminals: CE; Stable and reliable

8. Unique driving guard system

The special design to keep the driving system more safe and longer lifereliable

9. Intake valve

Advacned dsign to adjust volume 0-100% smoothly, less air pressure lost or oil leaking.
Utilize a normally closed inlet valve, which provide very smooth Y-Δ starting. It's advanced design also results in the very low inlet pressure drop, thus more air flow and higher compressor efficiency.

AIRERA

AIRERA

No.	Model	Capacity (m3/min)	Working pressure (Mpa)	Power (kw)	Noise dB (A)	Driven type	outlet temp	oil content	Outlet conn.	Dimension	Weight (kg)
1	AGCD-7.5A	1.2	0.7	7.5	70±3	V belt	Ambient temperature +10℃	1~2ppm	G3/4	800*700*930	320
	AGCD-7.5B	1.15	0.8								
	AGCD-7.5C	1	1								
	AGCD-7.5D	0.75	1.3								
	AGCD-7.5E	0.6	1.5								
2	AGCD-11A	1.7	0.7	11	70±3	V belt	Ambient temperature +10℃	1~2ppm	G3/4	1080*750*1000	340
	AGFD-11B	1.65	0.8								
	AGCD-11C	1.5	1								
	AGCD-11D	1.15	1.3								
	AGCD-11E	0.9	1.5								
3	AGCD-15A	2.35	0.7	15	70±3	V belt	Ambient temperature +10℃	1~2ppm	G1	1080*750*1000	360
	AGCD-15B	2.3	0.8								
	AGCD-15C	2.05	1								
	AGCD-15D	1.65	1.3								
	AGCD-15E	1.2	1.5								
4	AGCD-18.5A	3.1	0.7	18.5	72±3	V belt/Direct	Ambient temperature +10℃	1~2ppm	G1	1308*850*1160	450
	AGCD-18.5B	3	0.8								
	AGCD-18.5C	2.6	1								
	AGCD-18.5D	2.1	1.3								
	AGCD-18.5E	1.8	1.5								
5	AGCD-22A	3.65	0.7	22	72±3	V belt/Direct	Ambient temperature +10℃	1~2ppm	G1	1310*850*1160	470
	AGCD-22B	3.6	0.8								
	AGCD-22C	3.2	1								
	AGCD-22D	2.75	1.3								
	AGCD-22E	2.4	1.5								
6	AGCD-30A	5.2	0.7	30	72±3	V belt/Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	G1-1/2	1500*1000*1320	780
	AGCD-30B	5	0.8								
	AGCD-30C	4.5	1								
	AGCD-30D	3.7	1.3								
	AGCD-30E	3	1.5								
7	AGCD-37A	6.7	0.7	37	72±3	V belt/Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	G1-1/2	1500*1000*1320	830
	AGCD-37B	6.6	0.8								
	AGCD-37C	5.8	1								
	AGCD-37D	4.8	1.3								
	AGCD-37E	4.1	1.5								
8	AGCD-45A	7.7	0.7	45	72±3	V belt/Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	G1-1/2	1500*1000*1320	900
	AGCD-45B	7.6	0.8								
	AGCD-45C	7	1								
	AGCD-45D	5.8	1.3								
	AGCD-45E	4.7	1.5								
9	AGCD-55A	10.8	0.7	55	76±3	V belt/Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	G2	1750*1200*1500	1180
	AGCD-55B	10	0.8								
	AGCD-55C	9	1								
	AGCD-55D	7.8	1.3								
	AGCD-55E	6.5	1.5								
10	AGCD-75A	13.6	0.7	75	76±3	V belt/Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	G2	1750*1200*1500	1340
	AGCD-75B	13	0.8								
	AGCD-75C	11.5	1								
	AGCD-75D	9.8	1.3								
	AGCD-75E	7.6	1.5								
11	AGCD-90A	17	0.7	90	76±3	V belt/Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	DN80	1750*1200*1500	1850
	AGCD-90B	15.3	0.8								
	AGCD-90C	14	1								
	AGCD-90D	12	1.3								
	AGCD-90E	10.5	1.5								
12	AGCD-110A	21.5	0.7	110	79±3	V belt/Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	DN80	2350*1500*1760	2200
	AGCD-110B	20.5	0.8								
	AGCD-110C	17.5	1								
	AGCD-110D	14.5	1.3								
	AGCD-110E	12	1.5								
13	AGCD-132A	24.5	0.7	132	79±3	V belt/Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	DN80	2350*1500*1760	2260
	AGCD-132B	23.5	0.8								
	AGCD-132C	21	1								
	AGCD-132D	17.5	1.3								
	AGCD-132E	14.5	1.5								
14	AGCD-160A	29.2	0.7	160	79±3	Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	DN80	2650*1650*1800	3300
	AGCD-160B	28	0.8								
	AGCD-160C	26	1								
	AGCD-160D	22	1.3								
15	AGCD-200A	37.5	0.7	200	79±3	Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	DN100	2650*1650*1800	3600
	AGCD-200B	36	0.8								
	AGCD-200C	33	1								
	AGCD-200D	25	1.3								
16	AGCD-250A	46.5	0.7	250	79±3	Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	DN100	3000*1950*1850	5700
	AGCD-250B	45	0.8								
	AGCD-250C	40	1								
	AGCD-250D	36	1.3								
17	AGCD-280A	52	0.7	280	79±3	Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	DN100	3000*1950*1850	5900
	AGCD-280B	49.2	0.8								
	AGCD-280C	45	1								
	AGCD-280D	41.3	1.3								
18	AGCD-315A	60.6	0.7	315	79±3	Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	DN100	3000*1950*1850	6800
	AGCD-315B	56.5	0.8								
	AGCD-315C	50.5	1								
	AGCD-315D	45	1.3								
19	AGCD-355A	71.5	0.7	355	79±3	Direct	Ambient temperature +10℃ / Cooling water temperature +10℃	1~2ppm	DN100	4000*2050*2200	8500
	AGCD-355B	64.6	0.8								
	AGCD-355C	55.5	1								
	AGCD-355D	46.5	1.3								
20	AGD-600W	86	0.8	450	79±3	Direct	Cooling water temperature +10℃	1~2ppm	DN150	4500*2500*2200	12500
	AGD-600W	73.5	1								
21	AGD-670W	82	0.8	500	79±3	Direct	Cooling water temperature +10℃	1~2ppm	DN150	4500*2500*2200	12900
	AGD-670W	104	1								
22	AGD-750W	104	0.8	560	79±3	Direct	Cooling water temperature +10℃	1~2ppm	DN150	4500*2500*2200	13500
	AGD-750W	90.5	1								

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20ºC ambient temperature and maximum pressure. **Emitted sound level as per PN8NTC2.3.

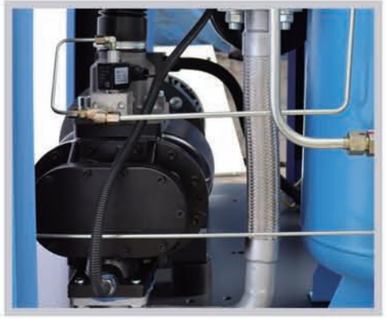
Note:

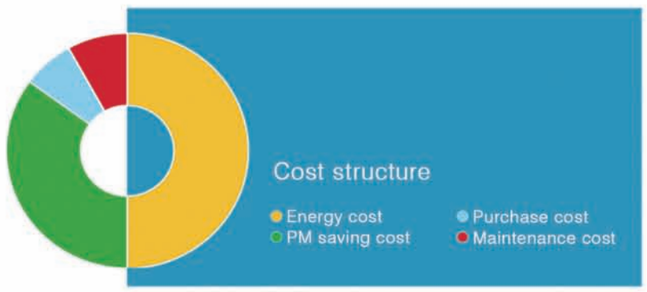
1. Can be customized according to the user's requirements: air-cooled / water-cooled type, oil content, the special outline dimension design according to need to order and technical agreement shall prevail;
2. Frequency converters (optional);
3. 1 year warranty for compressor unit, 2 years warranty for air end.

AIRERA

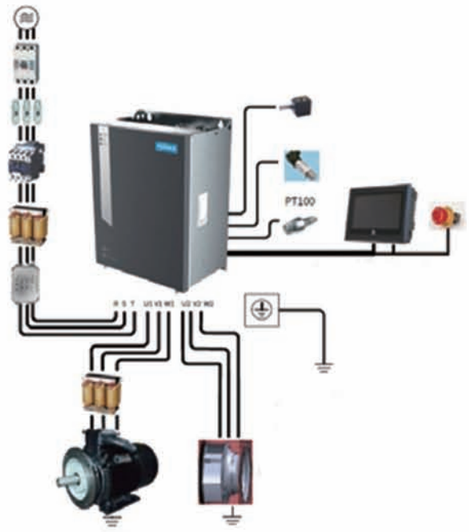
ADVANTAGES OF AIRERA PM VSD COMPRESSOR

1. Adopted Rotor is made by Germany Processing Equipment;Adopting World Famous Brand SKF Bearing
2. Permanent Magnetic Motor Cooling Structure Patent Design,
   Application no:ZL 201320216379.0 Class F Insulation,Grade B Temperature rising.
3. Only choose best IP55 PM main motor with 1.2 service factor and PM fan motor for cooling(option) system,reach higher energy-saving standard:CN.CE-1306-06/16
4. Directly drive
5. Multi-touch controller to make it easier to control





1. High-efficiency PM motor saves energy about 6- 7%, Compared with three phase asynchronous motor.
2. Latest air end, one -shaft structure make it more compact, stable and high-efficiency.
3. Due to itelligent inverter techology, PM variable frequency air compressor saves energy up to 30%.
4. Has several patented technologies.
5. Industrial house-keeper with remote control system.fluctuation of the system, themore obvious the energy saving effect.

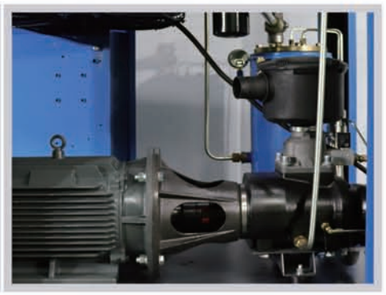


Control system

PRINCIPLE OF PERMANENT MAGNET VSD TECHNOLOGY:

The frequency control allows for a very large FAD regulation from 25% up to 100%[30(50)-150(200)Hz]. Adaptation to differing compressed air requirements is assured by infinite speed adjustment of the drive motor which is actuated by a frequency converter with simultaneous speed adjustment of the compressor air end.
Due to the extensive range of frequency adjustments, it is possible, even in case of little air consumption, to adapt the air delivery to the actual demand in compressed air and to almost completely avoid switching

Model	Air flow(m3/min)*				Power(kw)		In/outle	Noise	Dimension	Weight
	8bar	10bar	13bar	15bar	Motor	Motor(Fan)		dB(A)**	L×W×H in mm	kg
AGCD-5.5 VP	0.22-0.87	0.19-0.75	0.16-0.61	0.14-0.53	5.5	0.09	G1	69	1000×620×900	230
AGCD-7.5 VP	0.30-1.20	0.25-1.04	0.25-0.90	0.20-0.80	7.5	0.09	G1	69	1060×700×900	245
AGCD-11 VP	0.45-1.79	0.40-1.58	0.33-1.32	0.30-1.17	11	0.18	G1	70	1060×700×1200	340
AGCD-15 VP	0.60-2.40	0.54-2.15	0.50-1.84	0.42-1.65	15	0.18	G1	70	1060×700×1200	360
AGCD-18.5 VP	0.75-3.00	0.73-2.80	0.63-2.50	0.53-2.10	18.5	0.37	G1	72	1200×700×1200	450
AGCD-22 VP	0.90-3.60	0.80-3.20	0.70-2.75	0.65-2.45	22	0.37	G1	72	1200×700×1200	470
AGCD-30 VP	1.25-5.00	1.15-4.50	0.95-3.70	0.85-3.25	30	0.75	G1-1/4	72	1400×1000×1300	580
AGCD-37 VP	1.60-6.40	1.45-5.80	1.20-4.80	1.10-4.30	37	0.75	G1-1/4	72	1400×1000×1300	685
AGCD-45 VP	1.90-7.60	1.75-7.00	1.45-5.80	1.25-5.00	45	1.1	G1-1/4	72	1400×1000×1300	785
AGCD-55 VP	2.50-10.0	2.25-9.00	2.00-7.80	1.65-6.50	55	1.1	G2	76	1850×1300×1450	1280
AGCD-75 VP	3.25-13.0	2.90-11.5	2.45-9.80	2.20-8.80	75	1.1	G2	76	1850×1300×1450	1440
AGCD-90 VP	4.20-16.5	4.80-14.3	3.00-12.0	2.75-11.0	90	2.2	G2-1/2	79	1950×1400×1500	2050
AGCD-110 VP	5.20-20.5	4.50-17.5	3.70-14.5	3.50-13.5	110	2.2	G2-1/2	79	2350×1500×1760	2420
AGCD-132 VP	5.90-23.5	5.30-21.0	4.75-18.5	4.00-16.0	132	2.2	G2	79	2350×1500×1760	2400
AGCD-160 VP	7.10-28.0	7.10-26.0	6.05-22.0	6.05-18.0	160	3.8	DN80	80	2350×1500×1760	2490
AGCD-200 VP	9.05-36.0	9.05-33.0	7.15-25.0	7.15-22.0	200	7.6	DN80	80	2450×1500×1760	2650
AGCD-250 VP	11.3-45.0	11.3-40.0	9.25-36.0	9.25-32.5	250	7.6	DN100	81	2450×1500×1760	2750
AGCD-280 VP	13.5-49.2	13.5-45.0	11.5-41.3	11.5-38.5	280	11	DN100	81	2650×1500×1760	3250
AGCD-315 VP	15.5-56.5	15.5-50.5	12.5-45.0	12.5-41.5	315	11	DN100	83	2650×1500×1760	3450



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