

The background of the entire page is a dark blue gradient with a subtle hexagonal pattern. A large, stylized illustration of a modern car, possibly a sports car, is shown in a dark blue, almost black, color, positioned diagonally across the upper right portion of the page. A bright yellow-orange diagonal line runs from the top left towards the bottom right, passing behind the car illustration. The logo for August Indonesia Jaya is located in the upper left quadrant, featuring a stylized 'Ai' symbol followed by the word 'AUGUST' in large, bold, white capital letters, and 'INDONESIA JAYA' in smaller, white capital letters below it.

Ai AUGUST

INDONESIA JAYA

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We Are YOUR SOLUTION



Supply Unit Compressor

Our Services range from supply new air compressor unit, installation, maintenance, modification control, and rental. Furthermore, we store numbers of high quality spare part in our workshop, with various brands and sizes



Rental

Our Emergency air compressor rental options are here to help your company fulfill all of its air compressor needs, whether it's to help while your regular units is being repaired or while it waits for a new locations, we have the rental product for you



Installation Pipe Line

Complete compressor installation services are our speciality and we look forward to drawing on our decades of experience to provide an all-inclusive compressors installation for your company. We provide the layout, design and installation of equipment and distribution piping



Modification Control Unit

With careful planning, modification Control Unit of your air compressor can be a strategic capital investment. We are able to replace your old compressor Control unit with our new advance control unit.



Maintenance

Our professional maintenance teams provide the satisfying maintenance and specialized service. Every team responsible for its assigned work, which can increase our knowledge of your equipment and allow you to get familiar with our services.

WHY CHOOSE US?

We understand that our customers work in a highly competitive market where equipment down-time can be costly. For this reason, our dedicated Spare Parts Team will make sure your replacement parts are delivered as quickly as possible.

Rotary or "screw" compressors are employed for any industrial, heavy-duty or high-use compressor need and are the most environmentally-friendly option. Our products are the most cost-effective and are so for numerous reasons, but the bottom line is this: for design, quality, safety, reliability, service, and energy savings we're equal or superior to any top brand yet less expensive. We're the market's number one value – "you just don't know us yet."

In fact, at PT August Indonesia Jaya, we don't aim to merely ship products – we deliver solutions. By deep study of actual end-user needs and full use of comprehensive feedback, we achieve true continuous improvement in all major aspects inside and outside of the company. Those consistent gains are in turn achieved through ever-improved communication, processes, and management.

ABOUT OUR COMPANY

PT. August Indonesia Jaya was established in 30th November 2011 and located in Jakarta, Bandung and Solo. Since then, we have been on the leading edge of compressed air solutions. Our services range from Supply new Air Compressor unit, Installation, Maintenance, Modification Control, and Rental. Furthermore, we store number of high quality spare part in our workshop, with various brands and sizes.

SF SERIES

Air Cooled Stationary Screw Air Compressor

Features

- Air Cooled
- Twin Screw Single Stage Air End — August- Brand
- 5 Year Rotor Warranty
- 45,000-50,000 Working Hours Engineered Lifetime
- Energy Saving Micro Control System, Fully Automated Operation
- Easy Maintenance
- Low-noise Operation, Closed Cabinet Structure,
- Noise Reducing Dumping Mats Made Of Fire Retardant Materials
- Belt Drive, Direct Coupling, Gear Drive
- Efficient, Safe and Reliable Fully Enclose Motor Drive (ipS4, F Class / IPSS Optional)

Model	Motor Power (KW /HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
SF7.5-2/7	7.5/10	0.7	1.1	210	69	995×625×850	1/2"
SF7.5-2/8		0.8	1.0				
SF7.5-2/10		1.0	0.85	350	69	890×710×965	
SF7.5-2/13		1.3	0.75				
SF11-2/7	11/15	0.7	1.9	380	70	1122×752×1082	1"
SF11-2/8		0.8	1.8				
SF11-2/10		1.0	1.6				
SF11-2/13		1.3	1.2				
SF15-2/7	15/20	0.7	2.6	410	70	1298×754×1082	1"
SF15-2/8		0.8	2.5				
SF15-2/10		1.0	2.15	450	70	1122×752×1082	
SF15-2/13		1.3	1.6				
SF18.5-2/7	18.5/25	0.7	3.2	500	71	1134×960×1442	1-1/4"
SF18.5-2/8		0.8	3.1				
SF18.5-2/10		1.0	2.7				
SF18.5-2/13		1.3	1.9				
SF22-2/7	22/30	0.7	3.8	510	72	1354×854×1182	1-1/4"
SF22-2/8		0.8	3.75				
SF22-2/10		1.0	3.2	560		1134×960×1442	
SF22-2/13		1.3	2.8				
SF30-2/7	30/40	0.7	5.2	630	73	1134×960×1442	1-1/2"
SF30-2/8		0.8	4.9				
SF30-2/10		1.0	4.3				
SF30-2/13		1.3	3.6				
SFB30E		0.5	6.7	950		1730×910×1680	
SF37-2/7	37/50	0.7	6.7	950	73	1653×1003×1343	1-1/2"
SF37-2/8		0.8	6.3				
SF37-2/10		1.0	5.7				
SF37-2/13		1.3	4.8				
SFG37E		0.5	7.5			1730×910×1680	



Model	Motor Power (KW /HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	W eight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
SF45-2/7	45/60	0.7	7.8	990	74	1533×1003×1345	1-1/2"
SF45-2/8		0.8	7.5			1653×1003×1343	
SF45-2/10		1.0	6.8				
SF45-2/13		1.3	5.4				
SFA45E			0.5	11.1		1950	2000×1200×1800
SFC55A	55/75	0.7	10.5	1950	75	2000×1200×1800	2"
SFC55B		1.0	8.4				
SFC55C		1.3	7.4				
SFC55D		0.8	9.8				
SFC55E		0.5	13.5				
SFC75A	75/100	0.7	13.5	2100	76	2000×1200×1800	2"
SFC75B		1.0	11.5				
SFC75C		1.3	9.5				
SFC75D		0.8	12.4				
SF90A	90/125	0.7	16.5	2200	77	2500×1400×1930	DN65
SF90B		1.0	13.7				
SF90C		1.3	11.5				
SF90D		0.8	16.2				
SF90E		0.5	20.0				
SF110A	110/150	0.7	20.0	2500	80	2500×1400×1930	DN65
SF110B		1.0	17.0				
SF110C		1.3	14.0				
SF110D		0.8	19.6				
SFA132A	132/180	0.7	23.5	2600	80	2500×1400×1930	DN65
SFA132B		1.0	20.5				
SFA132C		1.3	16.6				
SFA132D		0.8	22.5				



Model	Motor Power (KW/HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
SF160A	160/220	0.7	28.5	2700	80	2500×1400×1930	DN65
SF160B		1.0	24.5				
SF160C		1.3	20.2				
SF160D		0.8	27.0				
SF185A	185/250	0.7	33.8	4500	82	3400×2000×2200	DN100
SF185B		1.0	27.5				
SF185C		1.3	22.5				
SF185D		0.8	31.5				
SF200A	200/270	0.7	36.4	4500	82	3400×2000×2200	DN100
SF200B		1.0	31.2				
SF200C		1.3	26.5				
SF200D		0.8	36.3				
SF220A	220/295	0.7	39.5	4500	82	3400×2000×2200	DN100
SF220B		1.0	33.6				
SF220C		1.3	28.6				
SF220D		0.8	39.0				
SF250A	250/340	0.7	43.5	6000	83	3400×2000×2200	DN100
SF250B		1.0	37.0				
SF250C		1.3	31.5				
SF250D		0.8	41.5				
SW280B	280/375	1.0	43.2	6000	83	3380×2000×2120	DN100
SW315A	315/430	0.7	56.0	6500	85	3850×2200×2250	DN100
SW315D		0.8	55.0				
SW355A	355/480	0.7	66.0	7800	85	4200×2200×2250	DN100
SW355D		0.8	65.0				



Air flow

1m³/Min = 35.31467 CFM, 1 CFM=0.02832m³/Min
1m³/H = 0.01667 m³/Min, 1CFM=1.69901 m³/H

Volume

1m³ = 1000 L, 1L=0.001 m³
1m³ = 264.172 GAL(US)
1 GAL(US)=0.0037854 m³

Pressure

1 KW=1.34102 HP
1 HP (BHP)=7.7457 KW
1HP (USHP)=7.735 KW

Pressure

1 Mpa=10 bar
1 bar=0.1 Mpa
1 bar=14.504 psi
1 psi=0.068948 bar

1

- Note : 1. SF is air-cooled series and SW is water-cooled series SF-T is air-cooled variable frequency and SW-T is water-cooled frequency and SF-Y is portable series
2. In addition to the table listed, can also provide other specifications model products.
3. Under Air supply outlet 2"(including 2") is thread, above 2-1/2" (including 2-1/2") is flange.
4. The above model is our standard model, the parameters are subject to change without notice, special exhaust pressure as required to receive orders.

MP SERIES



Intelligent Control System

Direct display: discharge temperature, discharge pressure, operating frequency, current, power, operating state. Realtime monitoring of discharge temperature, discharge pressure, current, frequency fluctuations. The Internet of things module is optional, the intelligent management system of cloud terminal, The operation status can be mastered in real time through mobile terminal, can achieve remote start and stop, remote online monitoring functions.



The Latest Generation High Efficient Permanent Magnet Motor

- Insulation grade F, protective grade IP54, to adapt to the worse environment
- Divided design, easy maintenance
- No gearbox design, motor and main rotor through the coupling directly connect high transmission efficiency
- Independent cooling fan design, make the motor heat dissipation not affected to speed regulation
- Winding built-in PTC, to avoid motor high-temperature demagnetization
- Wide range of speed regulation, high precision, wide range of air flow regulation
- High temperature magnetic steel UH, temperature 180 °C without losing magnet
- The efficiency of permanent magnet motor is higher 3 %- 5% than regular motor, efficiency is constant, when the speed drops, still remain the high efficiency



The Latest Generation Three in One Inverter

- Double variable frequency system and independent fan control : permanent magnet motor variable frequency + cooling fan variable frequency + independent fan control
- Constant pressure air supply: air supply pressure is accurately controlled within 0.01MPa
- Constant temperature gas supply: the general temperature is set at about 85 °C, so that the oil lubrication effect is good while avoiding high temperature jumping
- No empty load, reduce energy consumption by 45 %, eliminate excess pressure
- The range of variable frequency is 30%- 100%, larger than general variable frequency
- Vector air supply, accurate calculation, to ensure that the air compressor production and customer system air demand at all times to maintain the same



Model	Motor Power (KW /HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	W eight (kg)	Noise dB (A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
MP18.5-2/7	18.5/25	0.7	0.96-3.2	450	71	1354×854×1182	1-1/4"
MP18.5-2/10		1.0	0.81-2.7				
MP18.5-2/8		0.8	0.93-3.1				
MP22-2/7	22/30	0.7	1.14-3.8	510	71	1354×854×1182	1-1/4"
MP22-2/10		1.0	0.96-3.2				
MP22-2/8		0.8	1.13-3.75				
MP30-2/7	30/40	0.7	1.56-5.2	600	74	1354×854×1182	1-1/2"
MP30-2/10		1.0	1.29-4.3				
MP30-2/8		0.8	1.47-4.9				
MP37-2/7	37/50	0.7	2.01-6.7	950	74	1533×1003×1345	1-1/2"
MP37-2/10		1.0	1.71-5.7				
MP37-2/8		0.8	1.89-6.3				
MP45-2/7	45/60	0.7	2.34-7.8	990	74	1533×1003×1345	1-1/2"
MP45-2/10		1.0	2.04-6.8				
MP45-2/8		0.8	2.25-7.5				
MP55/7	55/75	0.7	3.15-10.5	1190	76	1840×1212×1780	2"
MP55/10		1.0	2.52-8.4				
MP55/8		0.8	2.94-9.8				
MP75/7	75/100	0.7	4.05-13.5	1260	76	1840×1212×1780	2"
MP75/10		1.0	3.45-11.5				
MP75/8		0.8	3.72-12.4				
MP90A	90/125	0.7	4.95-16.5	2200	77	2500×1400×1930	DN65
MP90B		1.0	4.11-13.7				
MP90C		1.3	3.45-11.5				
MP90D		0.8	4.86-16.2				

Model	Motor Power (KW/HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
MP110A	110/150	0.7	6.0-20.0	2500	80	2500×1400×1930	DN65
MP110B		1.0	5.1-17.0				
MP110C		1.3	4.2-14.0				
MP110D		0.8	5.88-19.6				
MP132A	132/180	0.7	7.05-23.5	2600	80	2500×1400×1930	DN65
MP132B		1.0	6.15-20.5				
MP132C		1.3	4.98-16.6				
MP132D		0.8	6.75-22.5				
MP160A	160/220	0.7	8.55-28.5	3500	85	2500×1400×1930	DN65
MP160B		1.0	7.35-24.5				
MP160D		0.8	8.1-27.0				
MP185A	185/250	0.7	10.14-33.8	5500	85	3794×2114×2080	DN100
MP185B		1.0	8.25-27.5				
MP185D		0.8	9.45-31.5				
MP200A	200/270	0.7	10.92-36.4	5650	85	3794×2114×2080	DN100
MP200B		1.0	9.36-31.2				
MP200D		0.8	10.89-36.3				
MP220A	220/295	0.7	11.85-39.5	6050	86	4066×2116×2080	DN125
MP220B		1.0	10.08-33.6				
MP220D		0.8	11.7-39.0				
MP250A	250/335	0.7	13.05-43.5	6150	86	4066×2116×2080	DN125
MP250B		1.0	11.1-37.0				
MP250D		0.8	12.45-41.5				

- Note : 1. Under Air supply outlet 2"(including 2") is threaded ,above 2-1/2"(including 2-1/2") is flange.
 2. "-2" refers to the second-generation permanent magnet inverter type, such as MP22-2/7 is 22kW, rated pressure 0.7MPa second-generation permanent magnet inverter.
 3. Above model is our standard model, the parameters are variable without notice, and the special discharge pressure is ordered as required.

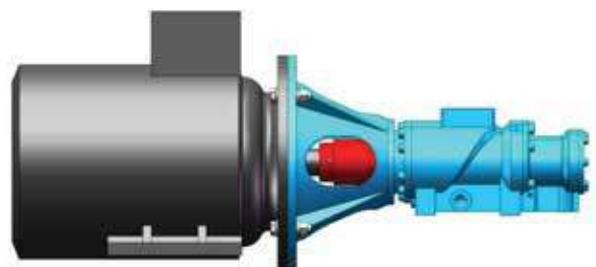
New Generation Efficiency Air End

Self-developed tooth shape, large diameter rotor, low speed, long life High precision rotor grinder and three coordinate measuring instrument to ensure the precision machining of the air end
Finite element analysis of reliable key parts to optimize the quality of each part



Flexible Coupling Drive

Direct display: discharge temperature, discharge pressure, operating frequency, current, power, operating state. Realtime monitoring of discharge temperature, discharge pressure, current, frequency fluctuations. The Internet of things module is optional, the intelligent management system of cloud terminal, The operation status can be mastered in real time through mobile terminal, can achieve remote start and stop, remote online monitoring functions.



Safe, Reliable And Efficient Motor

Protection grade IP55, insulation grade F, suitable for bad working conditions. Without gear box design, the motor is directly connected with the male rotor of the air end , High transmission efficiency. High balance precision, high speed running smoothly



The Overall Design Structure Is Simple And Compact

Products are reliable, stable, cost-effective, less quick-wear part, low maintenance costs, overall appearance beautiful



Intelligent Microcomputer Control System

Operation interface is simple, English and Chinese switch , Fully automatic operation,easy to operation Integrated maintenance reminder, fault diagnosis to achieve unattended operation Computer remote monitoring, start - stop and multi - air compressor linked control



XPS Series Specification

Model	Motor Power (KW/HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
XPS7.5/7	7.5/10	0.7	0.44-1.1	220	65	995 × 625 × 850	1/2 "
XPS7.5/8		0.8	0.4-1.0				
XPS7.5/10		1.0	0.35-0.85				
XPS11/7	11/15	0.7	0.76-1.9	360	65	1298 × 754 × 1082	1 "
XPS11/8		0.8	0.72-1.8				
XPS11/10		1.0	0.64-1.6				
XPS15/7	15/20	0.7	1.04-2.6	410	65	1298 × 754 × 1082	1 "
XPS15/8		0.8	1.0-2.5				
XPS15/10		1.0	0.86-2.15				
XPS18.5/7	18.5/25	0.7	1.28-3.2	450	70	1354 × 854 × 1182	1-1/4 "
XPS18.5/8		0.8	1.24-3.1				
XPS18.5/10		1.0	1.08-2.7				
XPS22/7	22/30	0.7	1.52-3.8	510	70	1354 × 854 × 1182	1-1/4 "
XPS22/8		0.8	1.5-3.75				
XPS22/10		1.0	1.28-3.2				
XPS30/7	30/40	0.7	2.08-5.2	580	70	1354 × 854 × 1182	1-1/4 "
XPS30/8		0.8	1.96-4.9				
XPS30/10		1.0	1.72-4.3				
XPS37/7	37/50	0.7	2.68-6.7	950	70	1533 × 1003 × 1345	1-1/2 "
XPS37/8		0.8	2.52-6.3				
XPS37/10		1.0	2.28-5.7				

EPS Series Specification

Model	Motor Power (KW/HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
EPS15/5	15/20	0.5	1.28-3.2	450	70	1354 × 854 × 1182	1 1/4 "
EPS18.5/5	18.5/25	0.5	1.52-3.8	510	70	1354 × 854 × 1182	1-1/4 "
EPS22/5	22/30	0.5	2.08-5.2	600	71	1533 × 1003 × 1315	1-1/2 "
EPS30/5	30/40	0.5	2.36-6.3	950	74	1533 × 1003 × 1345	1-1/2 "
EPS37/5	37/50	0.5	2.25-7.5	990	74	1533 × 1003 × 1345	1-1/2 "
EPS45/5	45/60	0.5	3.33-11.1	1400	74	2000 × 1200 × 1800	2 "
EPS55/5	55/75	0.5	4.05-13.5	1500	76	2000 × 1200 × 1800	2 "

Note :

1.EPS is 5 bar low pressure type

New independent R&D oil cooling air end

New high efficiency air end low noise 0.01mm grinding process

6 pcs SKF/NSK bearings lifetime >50,000 hours Double seal to avoid leakage



Efficiency oil cooling PM motor

High temperature magnetic steel PTC 130 temperature protector

One piece shaft 100% transmission efficiency oil cooled more efficiency than air cooled

F insulation grade ,IP65



Intelligent microcomputer control system

Operation interface is simple, English and Chinese switch , Fully automatic operation,easy to operation

Integrated maintenance reminder, fault diagnosis to achieve unattended operation Computer remote monitoring, start - stop and multi - air compressor linked control



New look design and internal structure

New industry look

Galvanize oil pipe ,150 heat resistant hose,double seals



Model	Motor Power (KW /HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
XPS15+/7	15/20	0.7	0.75-2.5	235	65	800×662×1030	1 "
XPS15+/8		0.8	0.72-2.4				
XPS22+/7	22/30	0.7	1.11-3.7	340	70	900×796×1250	1-1/2 "
XPS22+/8		0.8	1.08-3.6				
XPS30+/7	30/40	0.7	1.53-5.1	460	70	1150×880×1440	1-1/2 "
XPS30+/8		0.8	1.50-5.0				
XPS37+/7	37/50	0.7	1.92-6.4	500	70	1150×880×1440	1-1/2 "
XPS37+/8		0.8	1.89-6.3				
XPS45+/7	45/60	0.7	2.28-7.6	510	72	1150×880×1440	1-1/2 "
XPS45+/8		0.8	2.25-7.5				
XPS55+/7	55/75	0.7	2.97-9.9	930	74	1840×1212×1780	2 "
XPS55+/8		0.8	2.94-9.8				



SPECIAL FOR LASER CUT



YHPS & HPS SERIES

- Air compressor, storage tank, air dryer, precision filter integrated in one, 5 levels of precision filtration (air-water separator +P class +M class +S class +H class), efficient water removal, dust removal and oil removal, to ensure the stable operation of laser machine;
- High efficiency and energy saving aluminum alloy three-in-one heat exchange air dryer, multi intelligent monitoring of temperature and pressure, R134A environmental refrigerant, standard anti-freezing constant pressure expansion valve;
- Simple installation, convenient, save space.

16 bar high pressure air end Air End

- Germany imported Klingelnberg rotor grinding machine 0.01mm grade grinding process, to ensure the processing accuracy of the screw;
- High efficiency SKF/NSK imported 6 pcs bearings, bearing design life 50,000 hours;
- The air end and motor are directly connected by the coupling, which has high transmission efficiency; Split type design, easy maintenance.



Special temperature control valve, high pressure separator element

- Standard high pressure, high temperature type temperature control valve, to prevent oil emulsification;
- 2, 16 bar high pressure type separator element, 2 times the processing capacity design, compressed air oil content <2ppm.

HPS SERIES

Model	Motor Power (KW /HP)	Discharge Pressure (MPa)	Free Air Delivery (m ³ /min)	W eight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
HPS11/16	11/15	1.6	0.4-1.0	380	67	1298 × 754 × 1082	1 "
HPS15/16	15/20	1.6	0.52-1.3	380	67	1298 × 754 × 1082	1 "
HPS18.5/16	18.5/25	1.6	0.72-1.8	450	72	1354 × 854 × 1182	1-1/4 "
HPS22/16	22/30	1.6	0.92-2.3	450	72	1354 × 854 × 1182	1-1/4 "
HPS30/16	30/40	1.6	1.28-3.2	580	72	1354 × 854 × 1182	1-1/2 "
HPS37/16	37/50	1.6	1.68-4.2	990	74	1533 × 1003 × 1345	1-1/2 "
HPS45/16	45/60	1.6	2.08-5.2	990	74	1533 × 1003 × 1345	1-1/2 "

HPS SERIES

Model	Motor Power (KW /HP)	Discharge Pressure (MPa)	Free Air Delivery (m ³ /min)	W eight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
YHPS11/16	11/15	1.6	0.4-1.0	500	67	2000 × 770 × 1760	3/4 "
YHPS15/16	15/20	1.6	0.52-1.3	500	67	2000 × 770 × 1760	3/4 "
YHPS18.5/16	18.5/25	1.6	0.72-1.8	650	72	2072 × 878 × 1924	3/4 "
YHPS22/16	22/30	1.6	0.92-2.3	650	72	2072 × 878 × 1924	3/4 "

Note : 1. 11kw/15kw air tank capacity is 400L
2. 18.5kw/22kw air tank capacity is 500L

TWO-STAGE AIR COMPRESSOR XGT & XPT SERIES

Efficient Two-stage Air End

- The first stage compression unit and the second stage compression unit are integrated in one body, direct transmission through helical gear, each stage of the screw get the high quality linear speed.
- After the first stage compression, Isobaric compression by enhanced fuel injection cooling, reduces the two stage suction temperature, ensures that the two-stage compression unit is close to isothermal compression, reduces the compression work.
- Reasonable distribution of compression ratio, optimization of bearing design. Two-stage compression can produce 15% more air than single compressing, and energy saving by 15%.

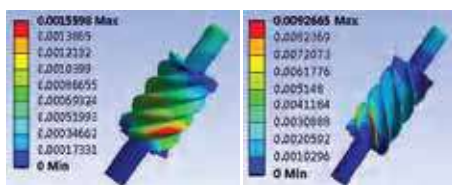


New generation of efficient XA series rotor profile

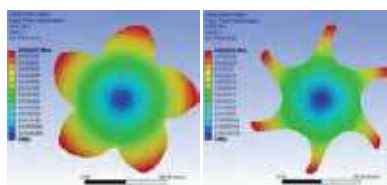
- The new generation XA series rotor type line, the male and female rotor 6:5 gear ratio design.
- Adopt SKF high-efficiency bearing, bearing design life $\geq 100,000$ hours.
- Large rotor, low speed, high precision, low noise, high reliability, long life design concept, adhering to the business tenet of "high efficiency, energy saving, reliability and durable", to provide high quality products.



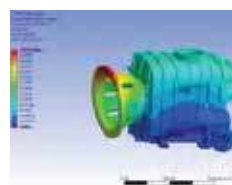
Finite Element Assisted Optimization Design



Rotor stress analysis



Rotor thermal deformation analysis



Modal fuselage analysis

High Quality Components



Professional efficacy permanent magnet motor

- Protection grade IP55, insulation class F, adapt to various harsh condition
- Select the special anti-corona enameled wire for permanent magnet frequency conversion, effectively prevent the damage of the high-order harmonics caused by the inverter drive to the enameled wire insulation layer, and prevent the "burning" caused by insulation damage.
- Independent cooling fan design, so that the heat dissipation of the motor is not affected by the frequency conversion speed regulation



High performance current vector inverter

- Choose domestic high-end brands, stable operation and long life
- Vector air supply, accurate calculation, to ensure that the air compressor production capacity is perfectly matched to the user system gas demand
- Accurate calculation of heat dissipation design, ambient temperature 50 °C can still work freely, prevent high temperature shutdown in summer



Energy efficient filtration system

- Air filter: independent air intake, directly sucking outside the unit's low temperature air to improve the efficiency of the whole machine
- Oil filter: AUGUST special 10μm precision oil filter to provide clean and clean lubricant for the main engine
- Oil and gas separation filter: imported polymer filter material, export gas oil content <3PPm, providing clean and reliable compressed air



Mixed-flow system temperature control valve

- In order to ensure that the injection temperature between the stages is always above the pressure dew point temperature, the XG(P)T two-stage compression series adopts the patented design mixed flow system temperature control valve to regulate the lubricating oil injection temperature, and the interstage cooling effect is achieved at the same time. The formation of condensed water avoids the corrosion of the two-stage compression mainframe and the emulsification of the system oil



High efficiency cooler

- Large amount of heat dissipation area design, strong heat dissipation effect, prevent high temperature shutdown
- Dual fan design, determine the number of starting
- fans based on exhaust temperature
Axial cooling fan, large air volume, suction structure, uniform heat dissipation



Intelligent microcomputer control system

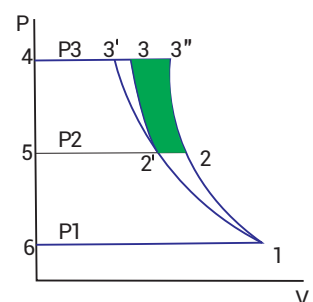
- Fully automatic operation, easy to get started, no special training required by operators
- Can realize calculation and remote monitoring, start and stop and multiple air compressor joint control
- Optional IoT module, external cloud intelligent management system, real-time master unit operation status

High Quality Components

According to the working principle of screw compressor, isothermal compression process is the most energy saving. The picture on the right shows the dynamometer of the overall compression process.

- The curve 1-2n-3' is an isothermal compression process, the area formed with the y coordinate 6-1-3'-4, is isothermal compression indicated work
- The curve 1-2-3' is a normal single-stage compression process, the area formed with the y coordinate 6-1-3''-4 is single-stage compression indicated work
- The curve 1-2-2'-3 is XINDA two stage compression process, the area formed with the y coordinate 6-1-2-2'-3-4, is XINDA stage compression indicated work

From the diagram that the area (indicating work) of the isothermal compression process is the smallest, but the isothermal compression cannot be achieved in the actual compression process of the compressor. The single-stage compression process has a 1-3-'' area (indicating work) more than isothermal compression, while the two-stage compression of XINDA saves 2-2ng-3-3'' area (indicating work) compared with single-stage compression.



Note:

- 1-2n-3' is an isothermal compression process
- 1-2-3'' is a normal single-stage compression process
- 1-2-2'-3 is XINDA two stage compression process

XG(P)T Normal Pressure Series

Model	Motor Power (KW /HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	Weight (kg)	Noise dB (A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
XG(P)T37/7	37/50	0.7	2.34-7.8	950(990)	72	1653 × 1003 × 1343	1-1/2"
XG(P)T37/8		0.8	2.28-7.6				
XG(P)T37/10		1.0	2.04-6.8				
XG(P)T37/13		1.3	1.62-5.4				
XG(P)T45/7	45/60	0.7	3.15-10.5	1860(1900)	74	2400 × 1500 × 1700	2"
XG(P)T45/8		0.8	2.85-9.5				
XG(P)T45/10		1.0	2.55-8.5				
XG(P)T45/13		1.3	2.25-7.5				
XG(P)T55/7	55/75	0.7	3.9-13.0	2220(2270)	75	2400 × 1500 × 1700	2"
XG(P)T55/8		0.8	3.6-12.0				
XG(P)T55/10		1.0	3.15-10.5				
XG(P)T55/13		1.3	2.85-9.5				
XG(P)T75/7	75/100	0.7	4.95-16.5	2220(2270)	75	2400 × 1500 × 1700	2"
XG(P)T75/8		0.8	4.56-15.2				
XG(P)T75/10		1.0	4.05-13.5				
XG(P)T75/13		1.3	3.6-12.0				
XG(P)T90/7	90/120	0.7	6.15-20.5	3770(3900)	80	3064(3464) × 1864 × 1870	DN65
XG(P)T90/8		0.8	5.7-19.0				
XG(P)T90/10		1.0	4.95-16.5				
XG(P)T90/13		1.3	4.35-14.5				
XG(P)T110/7	110/150	0.7	7.2-24.0	3850(3980)	80	3064(3464) × 1864 × 1870	DN65
XG(P)T110/8		0.8	6.75-22.5				
XG(P)T110/10		1.0	6.15-20.5				
XG(P)T110/13		1.3	5.25-17.5				
XG(P)T132/7	132/180	0.7	8.64-28.8	3900(4030)	81	3064(3464) × 1864 × 1870	DN65
XG(P)T132/8		0.8	7.98-26.6				
XG(P)T132/10		1.0	7.32-24.4				
XG(P)T132/13		1.3	6.3-21.0				
XG(P)T160/7	160/215	0.7	11.25-37.5	5750(5850)	82	3794 × 2114 × 2080	DN100
XG(P)T160/8		0.8	9.9-33.0				
XG(P)T160/10		1.0	9.0-30.0				
XG(P)T160/13		1.3	7.8-26.0				
XG(P)T185/7	185/250	0.7	12.75-42.5	5850(5950)	82	3794 × 2114 × 2080	DN100
XG(P)T185/8		0.8	11.7-39.0				
XG(P)T185/10		1.0	10.35-34.5				
XG(P)T185/13		1.3	9.15-30.5				

Model	Motor Power (KW /HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
XG(P)T200/7	200/270	0.7	13.5-45.0	5950(6050)	83	3794 × 2114 × 2080	DN100
XG(P)T200/8		0.8	12.75-42.5				
XG(P)T200/10		1.0	11.4-38.0				
XG(P)T200/13		1.3	9.9-33.0				
XG(P)T220/7	220/295	0.7	14.4-48.0	7000(7150)	85	4066 × 2116 × 2080	DN125
XG(P)T220/8		0.8	13.5-45.0				
XG(P)T220/10		1.0	12.0-40.0				
XG(P)T220/13		1.3	10.5-35.0				
XG(P)T250/7	250/335	0.7	16.8-56.0	7770(7900)	85	4066 × 2116 × 2080	DN125
XG(P)T250/8		0.8	15.06-50.2				
XG(P)T250/10		1.0	13.5-45.0				
XG(P)T250/13		1.3	12.0-40.0				
XG(P)T280/7	280/375	0.7	18.3-61.0	8630(8800)	86	4466 × 2366 × 2198	DN125
XG(P)T280/8		0.8	17.1-57.0				
XG(P)T280/10		1.0	15.0-50.0				
XG(P)T280/13		1.3	13.5-45.0				
XG(P)T315/7	315/430	0.7	19.5-65.0	8780(8950)	87	4466 × 2366 × 2198	DN125
XG(P)T315/8		0.8	18.6-62.0				
XG(P)T315/10		1.0	16.8-56.0				
XG(P)T315/13		1.3	15.0-50.0				
XG(P)T355/7	355/475	0.7	22.8-76.0	9830(9980)	90	5343 × 2723 × 2700	DN125
XG(P)T355/8		0.8	21.6-72.0				
XG(P)T355/10		1.0	19.5-65.0				
XG(P)T355/13		1.3	18.3-61.0				
XG(P)T400/7W	400/535	0.7	27.9-93.0	9080(9200)	92	5343 × 2723 × 2700	DN150
XG(P)T400/8W		0.8	24.6-82.0				
XG(P)T400/10W		1.0	22.8-76.0				
XG(P)T400/13W		1.3	21.0-70.0				
XG(P)T450/7W	450/605	0.7	30.0-100.0	9230(9350)	93	5343 × 2723 × 2700	DN150
XG(P)T450/8W		0.8	27.9-93.0				
XG(P)T450/10W		1.0	24.6-82.0				
XG(P)T450/13W		1.3	22.8-76.0				

Note: 1. XGT is fixed speed type ,XPT is VSD type
2. Outlet size ≤2" is nipple, > 2" is flange

4.5-5 bar low pressure air end

Specialized 4.5-5.5 bar low pressure air end, Large diameter inlet and outlet port, KLINGELNBERG 0.01 mm level of grinding process

18 pcs efficient SKF/NSK bearings, 3 pcs gear shafts, 1st stage 6 compression units & 2nd stage 9 compression units, bearing design lifetime > 100000 hours

Air end and motor direct coupling drive, high transmission efficiency, separation design easy to maintenance

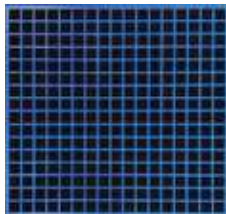
Big rotor, low speed, high precision, low noise, high reliability, long lifetime design,

Adhering to the "high efficiency, energy saving, reliable, durable" purposes to create excellent quality



High tension dust filter

Plug-in type filter net, to avoid catkin, leaves and large particles of dust into compressor to block cooler



High temperature type cooling system

Easy disassembly, large size cooler and cooling fan



Integrated heat recovery system (optional)

Plug-in type filter net, to avoid catkin, leaves and large particles of dust into compressor to block cooler



Intelligent permanent magnet variable speed control system

Easy disassembly, large size cooler and cooling fan



EGT/EPT 4.5 BAR Low Pressure Series

Model	Motor Power (KW /HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	Weight (kg)	Noise dB (A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
EG(P)T55/4.5	55/75	0.45	4.65-15.5	2220(2270)	75	2400×1500×1700	2"
EG(P)T75/4.5	75/100	0.45	6.3-21.0	3850(3980)	80	3064(3464)×1864×1870	DN65
EG(P)T90/4.5	90/120	0.45	7.5-25.0	3900(4030)	80	3064(3464)×1864×1870	DN100
EG(P)T110/4.5	110/150	0.45	9.0-30.0	3950(4100)	81	3064(3464)×1864×1870	DN100
EG(P)T132/4.5	132/180	0.45	11.25-37.5	5750(5850)	82	3794×2114×2080	DN100
EG(P)T160/4.5	160/215	0.45	13.2-44.0	6330(6430)	82	4066×2116×2080	DN125
EG(P)T185/4.5	185/250	0.45	15.0-50.0	7130(7230)	83	4066×2116×2080	DN125
EG(P)T200/4.5	200/270	0.45	16.5-55.0	7330(7430)	85	4066×2116×2080	DN125
EG(P)T220/4.5	220/295	0.45	18.0-60.0	8330(8480)	86	4116×2366×2198	DN150
EG(P)T250/4.5	250/335	0.45	19.5-65.0	8430(8600)	88	4466×2366×2198	DN150

EGT/EPT 5 BAR Low Pressure Series

Model	Motor Power (KW /HP)	Discharge Pressure (MPa)	Free Air Delivery (m³/min)	Weight (kg)	Noise dB (A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
EG(P)T45/5	45/60	0.5	3.6-12.0	1860(1900)	74	2400×1500×1700	2"
EG(P)T55/5	55/75	0.5	4.35-14.5	2220(2270)	75	2400×1500×1700	2"
EG(P)T75/5	75/100	0.5	6.06-20.2	3850(3980)	80	3064(3464)×1864×1870	DN65
EG(P)T90/5	90/120	0.5	7.2-24.0	3900(4030)	80	3064(3464)×1864×1870	DN100
EG(P)T110/5	110/150	0.5	8.64-28.8	3950(4100)	81	3064(3464)×1864×1870	DN100
EG(P)T132/5	132/180	0.5	10.2-34.0	6350(5850)	82	3794×2114×2080	DN100
EG(P)T160/5	160/215	0.5	12.75-42.5	6930(6430)	82	4066×2116×2080	DN125
EG(P)T185/5	185/250	0.5	13.71-45.7	7130(6490)	83	4066×2116×2080	DN125
EG(P)T200/5	200/270	0.5	15.06-50.2	7330(7430)	85	4066×2116×2080	DN125
EG(P)T220/5	220/295	0.5	16.86-56.2	8330(8480)	86	4116×2366×2198	DN150
EG(P)T250/5	250/335	0.5	18.3-61.0	8430(8600)	88	4466×2366×2198	DN150
EG(P)T280/5	280/375	0.5	19.5-65.0	8630(8800)	88	4466×2366×2198	DN150
EG(P)T315/5	315/430	0.5	21.0-70.0	8780(8950)	89	5343×2723×2700	DN200

Note: 1. EGT is fixed speed type ,EPT is VSD type
2. Outlet size ≤2" is nipple, >2" is flange



WATER LUBRICATED OIL FREE WGS & WHPS SERIES

Technical Advantage

- The compression process is sealed, lubricated and cooled by pure water. The whole system is oil-free, and the compressed air is clean and safe. It passes the air purity industry standard ISO 8573-1 CLASS 0 zero-grade oil-free certification.
- The main screw, star wheel and housing are all made of stainless steel, corrosion resistant, and true stainless steel mainframe.
- The maintenance cost of the whole machine is low. It is only necessary to replace the air filter element and the water filter element during maintenance. At the same time, the filter element is easy to replace and can be replaced and maintained by itself.
- The whole machine adopts integrated design with less failure points and high stability. Intelligent micro-computer control system, easy to operate, with maintenance reminder, fault diagnosis and other functions, while achieving regular automatic water change and automatic system cleaning.



Technical Advantage

- Compared with the dry oil-free screw air compressor, the advantages are obvious:

- A Large rotor, low speed (within 3000r/min), no gear box, direct drive, lower speed than dry oil-free screw (10,000~20,000r/min), longer life.
- B Higher exhaust pressure, water-lubricated single-screw single-stage compressed exhaust pressure up to 17 bar, two-stage compressed exhaust pressure up to 40 bar, dry oil-free screw can not achieve such high exhaust pressure;
- C High efficiency. The water-lubricated single-screw exhaust gas temperature does not exceed 60°C, the compression process is closer to isothermal compression, and the thermal compression efficiency is higher than that of the dry oil-free screw (150~220°C); compared with the dry oil-free screw secondary compression average energy saving 15% the above; Compared with its first-order compression, the average energy saving is more than 25%.
- D Lower water content. The compressed air discharged from the water-lubricated single screw is saturated, the dew point of the saturated compressed air is lower, and the moisture content of the compressed air is 25% lower than that of the dry oil-free screw.

Water-lubricated Oil-free High Pressure Series

Model	Motor Power. (KW/HP)	Discharge Pressure (Mpa)	Free Air Delivery (m³/min)	Weight (Kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out	Cooling Water Inlet & Outlet	Quantity of Cooling Water (Inlet Water 32°C) (T/H)	Quantity of Lubricating Water (L)
WHPS65W	65/90	4	6	1800	70	1800× 1360× 1710	1"	1 1/2"	18	120
WHPS110W	110/150	4	10	2260	72	3000× 1560× 1680	1 1/2"	2"	28	120
WHPS132W	132/180	4	12	2500	73	3000× 1800× 2100	1 1/2"	2"	35	120
WHPS165W	165/225	4	15	2980	75	3000× 1800× 2100	2"	2 1/2"	40	120
WHPS220W	220/300	4	20	3200	77	3000× 2100× 2200	2"	3"	50	120
WHPS275W	275/375	4	25	4600	78	3600× 2100× 2200	2 1/2"	3"	56	120
WHPS460W	460/625	4	42	5800	80	4200× 3600× 2200	3"	4"	95	120

- Note: 1. WHPS is high voltage permanent magnet frequency conversion.
 2. The full range of high-voltage permanent magnet variable frequency water-lubricated oil-free screw compressors are water-cooled.
 3. The above model is our standard model, the parameters are subject to change without notice

Water-lubricated Oil-free Normal Pressure Series

Model	Motor Power. (KW/HP)	Discharge Pressure (Mpa)	Free Air Delivery (m³/min)	Weight (Kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out	Cooling Water Inlet & Outlet	Quantity of Cooling Water (Inlet Water 32°C) (T/H)	Quantity of Lubricating Water (L)
WG(P)S5.5/W	5.5/7.5	0.8	0.3-0.78	400	57	800× 800× 1200	3/4"	3/4"	1.5	10
		1.0	0.18-0.6							
WG(P)S7.5/W	7.5/10	0.8	0.35-1.17	510	57	800× 800× 1200	3/4"	3/4"	2	10
		1.0	0.3-1.05							
		1.25	0.24-0.81							
WG(P)S11/W	11/15	0.8	0.54-1.72	620	60	1200× 855× 1335	3/4"	1"	2.5	26
		1.0	0.45-1.42							
		1.25	0.35-1.1							
WG(P)S15/W	15/20	0.8	0.75- 2.43	670	60	1200× 855× 1335	1"	1"	3.5	26
		1.0	0.65-2.17							
		1.25	0.6-1.8							
WG(P)S18.5/W	18.5/25	0.8	0.9- 3.13	730	63	1400× 1010× 1340	1"	1"	4	30
		1.0	0.9- 2.82							
		1.25	0.6- 2.05							
WG(P)S22/W	22/30	0.8	1.1- 3.7	780	63	1400× 1010× 1340	1"	1"	5	30
		1.0	0.97- 3.21							
		1.25	0.85- 2.78							
WG(P)S30/W	30/40	0.8	1.55- 5.2	1150	66	1650× 1180× 1505(A) 1500× 1080× 1300(W)	1 1/2"	1 1/2"	7	40
		1.0	1.255- 4.43							
		1.25	1.1- 3.65							
WG(P)S37/W	37/50	0.8	1.91- 6.5	1200	66	1650× 1180× 1505(A) 1500× 1080× 1300(W)	1 1/2"	1 1/2"	9	40
		1.0	1.60- 5.33							
		1.25	1.42- 4.77							
WG(P)S45W	45/60	0.8	2.50-8.3	1490	68	1800× 1360× 1670	2"	1 1/2"	10	90
		1.0	1.91-6.3							
		1.25	1.70-5.56							
WG(P)S55W	55/75	0.8	3.0-10.3	1570	69	1800× 1360× 1670	2"	1 1/2"	12	100
		1.0	2.60-8.55							
		1.25	2.30-7.67							
WPS75W	75/100	0.8	3.95- 13.0	1750	72	1800× 1360× 1670	2"	1 1/2"	18	100
		1.0	3.40- 11.5							
		1.25	3.0- 9.7							
WPS90W	90/120	0.8	5.0- 16.6	2450	73	2200× 1550× 1800	2 1/2"	1 1/2"	20	120
		1.0	4.3- 14.66							
		1.25	3.72- 12.6							
WPS110W	110/150	0.8	6.0- 20.2	2580	77	2200× 1550× 1800	2 1/2"	2"	24	120
		1.0	5.0- 16.66							
		1.25	4.65- 15.56							
WPS132W	132/180	0.8	6.75- 22.52	2700	77	2200× 1550× 1800	2 1/2"	2"	30	120
		1.0	6.0- 19.97							
		1.25	5.07- 16.9							
WPS160W	160/220	0.8	8.5- 28.11	3900	79	3000× 1800× 2100	3"	3"	35	160
		1.0	7.6-25.42							
		1.25	6.7-22.52							
WPS185W	185/250	0.8	10-33.97	4050	79	3000× 1800× 2100	3"	3"	38	160
		1.0	8.72-29.0							
		1.25	7.75-25.21							
WPS200W	200/270	0.8	11.2-36.75	4200	80	3100× 1850× 2100	4"	4"	42	200
		1.0	9.67-32.78							
		1.25	9.2-29.24							
WPS220W	220/300	0.8	12.2-39.67	4400	80	3100× 1850× 2100	4"	4"	47	200
		1.0	11.2-36.75							
		1.25	9.0-29.63							
WPS250W	250/350	0.8	13.5-45	4800	80	3100× 1850× 2100	4"	4"	53	200
		1.0	12.3-39.67							
		1.25	10.2-33.97							

- Note: 1. WGS is air-cooled fixed frequency, WPS is air-cooled variable frequency.
2. Data in parentheses is WPS model data.
3. Models above 45kW (including 45kW) are water-cooled models, no air cooled models; models above 75kW (including 75kW) are variable-frequency models, and there is no fixed frequency model.
4. The above model is our standard model, the parameters are subject to change without notice

Intelligent Internet of Things module, air compressor intelligent management Steward

- Real-time monitoring of operation data;
- Maintenance, failure alarm message reminder;
- One-button remote start and stop air compressor;
- Check historical operation data and historical failure records



Special For Glass & Textile Industry



Single-stage 2-4 bar low pressure air end

- 2-4 bar low pressure air end, large intake and exhaust ports, male and female rotor 5:4 tooth ratio design, Germany imported Klingelnberg rotor grinding machine 0.01mm grade grinding process;
- High efficiency SKF/NSK imported bearing , bearing design lifetime 100,000 hours;
- Coupling direct drive, high transmission efficiency;
- Big rotor, low speed, high precision, low noise, high reliability, long lifetime design concept, adhering to the "high efficiency, energy saving, reliable, durable" purpose to create high-quality quality.



Integrated pressurized oil pump

- Coupling type independent oil pump forced lubrication ensures fuel injection of the air end ,Reduce internal leakage, improve volume flow, normal operation at 2 bar exhaust pressure not high temperature, 2-4 bar exhaust pressure set arbitrarily



Integrated heat recovery system

- Zero heating cost: Use the heat discharged into the environment by the air compressor to produce hot water, which can be used for staff living water, boiler water preheating, process water heating, etc.
- Reduce energy consumption of air compressor and reduce heat discharge : after access to heat recovery system , the capacity of cooler increases, frequency of cooling fan use significantly reduces, and further reduces the energy consumption of the whole machine; At the same time, the heat decreased significantly, and the ambient temperature in the air compressor station improved.



LPS series 2 bar low pressure Specifications

Model	Motor Power (KW/HP)	Discharge Pressure (MPa)	Free Air Delivery (m ³ /min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
LPS37/2	37/50	0.2	4.05-13.5	1100	74	1628 × 1298 × 1800	DN80
LPS45/2	45/60	0.2	4.95-16.5	2000	74	2816 × 1866 × 1870	DN100
LPS55/2	55/75	0.2	6.6-22.0	2400	75	2816 × 1866 × 1870	DN100
LPS75/2	75/100	0.2	9.6-32.0	4300	75	3796 × 2116 × 2098	DN125
LPS90/2	90/125	0.2	11.1-37.0	5300	80	3796 × 2116 × 2098	DN125
LPS110/2	110/150	0.2	13.2-44.0	5800	80	3796 × 2116 × 2198	DN150
LPS132/2	132/180	0.2	15.3-51.0	6200	81	4116 × 2366 × 2198	DN150
LPS160/2	160/215	0.2	18.9-63.0	6700	82	5343 × 2723 × 2700	DN200
LPS185/2	185/250	0.2	22.5-75.0	7000	85	5343 × 2723 × 2700	DN200
LPS200/2	200/270	0.2	24.6-82.0	7500	88	5343 × 2723 × 2700	DN200

LPS series 2.5 bar low pressure Specifications

Model	Motor Power (KW/HP)	Discharge Pressure (MPa)	Free Air Delivery (m ³ /min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
LPS37/2.5	37/50	0.25	3.6-12.0	1100	74	1628 × 1298 × 1800	DN80
LPS45/2.5	45/60	0.25	4.5-15.0	2000	74	2816 × 1866 × 1870	DN100
LPS55/2.5	55/75	0.25	6.3-21.0	2400	75	2816 × 1866 × 1870	DN100
LPS75/2.5	75/100	0.25	7.8-26.0	4300	75	3796 × 2116 × 2098	DN125
LPS90/2.5	90/125	0.25	10.35-34.5	4500	76	3796 × 2116 × 2098	DN125
LPS110/2.5	110/150	0.25	12.0-40.0	5500	80	3796 × 2116 × 2198	DN125
LPS132/2.5	132/180	0.25	14.4-48.0	6200	81	4116 × 2366 × 2198	DN150
LPS160/2.5	160/215	0.25	17.4-58.0	6500	81	4116 × 2366 × 2198	DN150
LPS185/2.5	185/250	0.25	21.3-71.0	7000	85	5343 × 2723 × 2700	DN200
LPS200/2.5	200/270	0.25	22.5-75.0	7200	85	5343 × 2723 × 2700	DN200
LPS220/2.5	220/295	0.25	22.5-85.0	7700	88	5343 × 2723 × 2700	DN200

LPS series 3 bar low pressure Specifications

Model	Motor Power (KW/HP)	Discharge Pressure (MPa)	Free Air Delivery (m ³ /min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
LPS37/3	37/50	0.3	3.3-11.0	1100	74	1628 × 1298 × 1800	DN80
LPS45/3	45/60	0.3	4.05-13.5	1200	74	1628 × 1298 × 1800	DN80
LPS55/3	55/75	0.3	5.7-19.0	2400	75	2816 × 1866 × 1870	DN100
LPS75/3	75/100	0.3	7.05-23.5	2500	75	2816 × 1866 × 1870	DN100
LPS90/3	90/125	0.3	9.3-31.0	4500	80	3796 × 2116 × 2098	DN125
LPS110/3	110/150	0.3	11.1-37.0	5500	80	3796 × 2116 × 2098	DN125
LPS132/3	132/180	0.3	13.2-44.0	5800	81	3796 × 2116 × 2198	DN125
LPS160/3	160/215	0.3	16.5-55.0	6500	82	4116 × 2366 × 2198	DN150
LPS185/3	185/250	0.3	18.9-63.0	6700	83	4116 × 2366 × 2198	DN150
LPS200/3	200/270	0.3	20.7-69.0	7200	85	5343 × 2723 × 2700	DN200
LPS220/3	220/295	0.3	22.5-75.0	7500	88	5343 × 2723 × 2700	DN200
LPS250/3	250/335	0.3	25.5-85.0	7700	88	5343 × 2723 × 2700	DN200

LPS series 3.5 bar low pressure Specifications

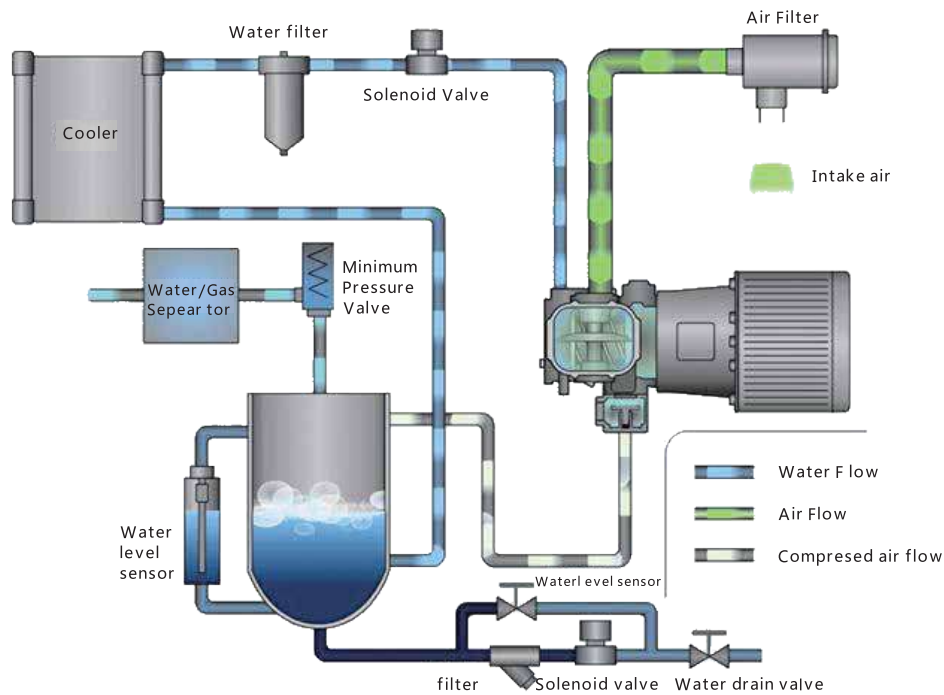
Model	Motor Power (KW/HP)	Discharge Pressure (MPa)	Free Air Delivery (m ³ /min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
LPS37/3.5	37/50	0.35	3.3-11.0	1100	74	1628 × 1298 × 1800	DN80
LPS45/3.5	45/60	0.35	3.6-12.0	1200	74	1628 × 1298 × 1800	DN80
LPS55/3.5	55/75	0.35	5.1-17.0	2400	75	2816 × 1866 × 1870	DN100
LPS75/3.5	75/100	0.35	6.6-22.0	2500	75	2816 × 1866 × 1870	DN100
LPS90/3.5	90/125	0.35	8.7-29.0	4500	80	3796 × 2116 × 2098	DN125
LPS110/3.5	110/150	0.35	10.5-35.0	5000	80	3796 × 2116 × 2098	DN125
LPS132/3.5	132/180	0.35	12.3-41.0	5600	81	3796 × 2116 × 2198	DN125
LPS160/3.5	160/215	0.35	15.0-50.0	6500	82	4116 × 2366 × 2198	DN150
LPS185/3.5	185/250	0.35	16.95-56.5	6700	82	4116 × 2366 × 2198	DN150
LPS200/3.5	200/270	0.35	18.9-63.0	7000	83	4116 × 2366 × 2198	DN150
LPS220/3.5	220/295	0.35	20.4-68.0	7500	85	5343 × 2723 × 2700	DN200
LPS250/3.5	250/335	0.35	23.4-78.0	7700	88	5343 × 2723 × 2700	DN200

LPS series 4 bar low pressure Specifications

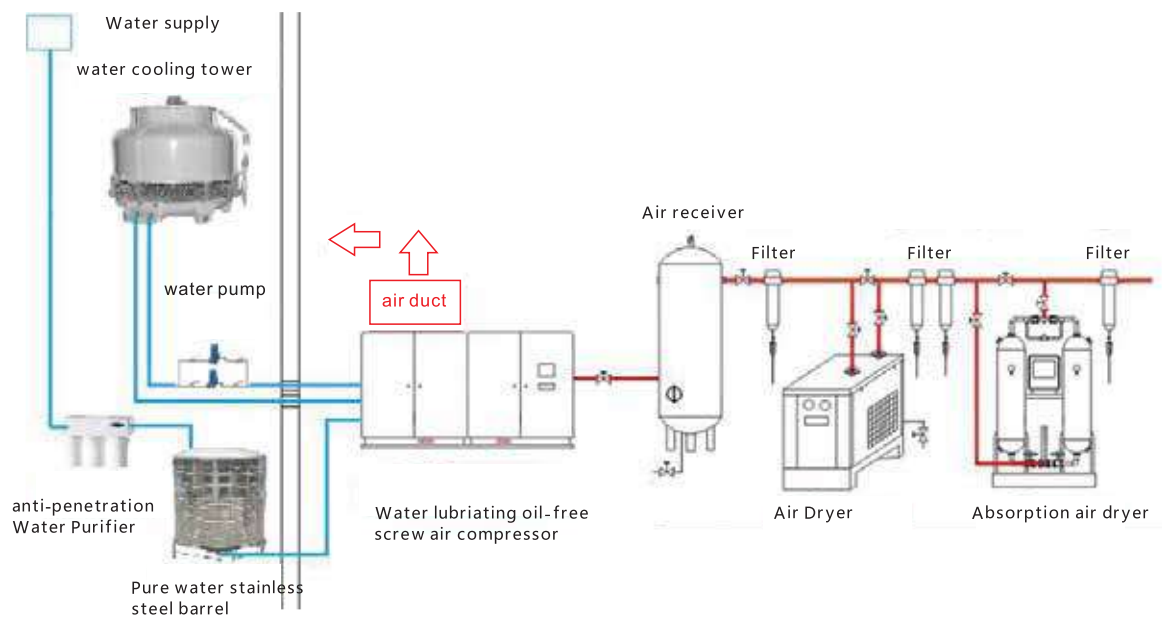
Model	Motor Power (KW/HP)	Discharge Pressure (MPa)	Free Air Delivery (m ³ /min)	Weight (kg)	Noise dB(A)±3	Overall Dimension (L×W×H mm)	Air Supply Out
LPS37/4	37/50	0.4	3.15-10.5	1100	74	1628 × 1298 × 1800	DN80
LPS45/4	45/60	0.4	3.45-11.5	1200	74	1628 × 1298 × 1800	DN80
LPS55/4	55/75	0.4	4.8-16.0	2400	75	2816 × 1866 × 1870	DN100
LPS75/4	75/100	0.4	6.3-21.0	2500	75	2816 × 1866 × 1870	DN100
LPS90/4	90/125	0.4	7.8-26.0	4500	80	3796 × 2116 × 2098	DN125
LPS110/4	110/150	0.4	9.6-32.0	5000	80	3796 × 2116 × 2098	DN125
LPS132/4	132/180	0.4	11.7-39.0	5500	81	3796 × 2116 × 2198	DN125
LPS160/4	160/215	0.4	13.8-46.0	6500	82	4116 × 2366 × 2198	DN125
LPS185/4	185/250	0.4	15.3-51.0	6700	82	4116 × 2366 × 2198	DN125
LPS200/4	200/270	0.4	16.8-56.0	7000	83	4116 × 2366 × 2198	DN150
LPS220/4	220/295	0.4	18.9-63.0	7500	85	4116 × 2366 × 2198	DN150
LPS250/4	250/335	0.4	21.6-72.0	7600	85	4116 × 2366 × 2198	DN150



Compressor System Flow Chart



System Flow Chart For Water Lubricating Oil- Free Screw Air Compressor (Water Cooling)



August Refrigeration Air Dryer

Compressed air is a reliable and widely source of energy used in large majority industrial processes. However, the compressor draws in atmospheric air which is contaminated with dirt, germs, bacteria, water vapour and unburnt hydrocarbon. Water vapor in the compressed air causes many quality problems such as premature wear and failure in pneumatic equipment, spoiled products, damaged system, corrosion of pipe. All these problems could cause high maintenance costs and air leakage.

For general purposes application, refrigeration dryer provides the economical and popular method of removing unwanted moisture from the compressed air. August high efficiency and energy saving refrigeration dryer provide air quality to ISO8573.1 Classes 4,5 and 6 for water vapour.

August Refrigeration Air Dryer

- Provide air quality to ISO8573.1 (Class 4 to 6 for water vapour)
- Constant dew point with different load conditions
- Low ownership cost
- Low running cost and energy efficiency
- Suitable for all type of air compressor
- Low pressure drops across refrigeration dryer
- Low environment impact as RSLF/RSLs dryer uses only environmentally friendly refrigerant R407c and R134a.
- Simplified maintenance and easy to use
- High reliability

August Refrigeration Air Dryer

- Easy to install, maintain and compact design. RSLF/RSLs dryer has been designed with easy installation with PLUG & PLAY concept. Panels are easily removable and user can have easy access to the refrigerant components for maintenance and cleaning.
- High quality aluminium material uses for condensate drain pipe system, demister housing and inlet/ outlet pipe which reduces the chances of pipe contamination.
- Energy efficient refrigerant compressor. High efficiency refrigerant scroll compressor is used for RSLF/RSLs -200 and above. Better tolerance against liquid damage and less vibration.
- Equipped with mechanical float drain for RSLF-06 to RSLF-40. RSLF-60/RSLs-120 and above equipped with robust and reliable electrical timed drain with option for zero loss electronic drain.
- PCB temperature display for RSLF/RSLs and above with option of PLC control for RSLF/RSLs -120 and above.



Electrical timed drain
RSLF-60/RSLs-120
and above



PCB
temperature
display



High efficiency
scroll compressor
RSLF/RSLs-200 & above

Heat Exchanger

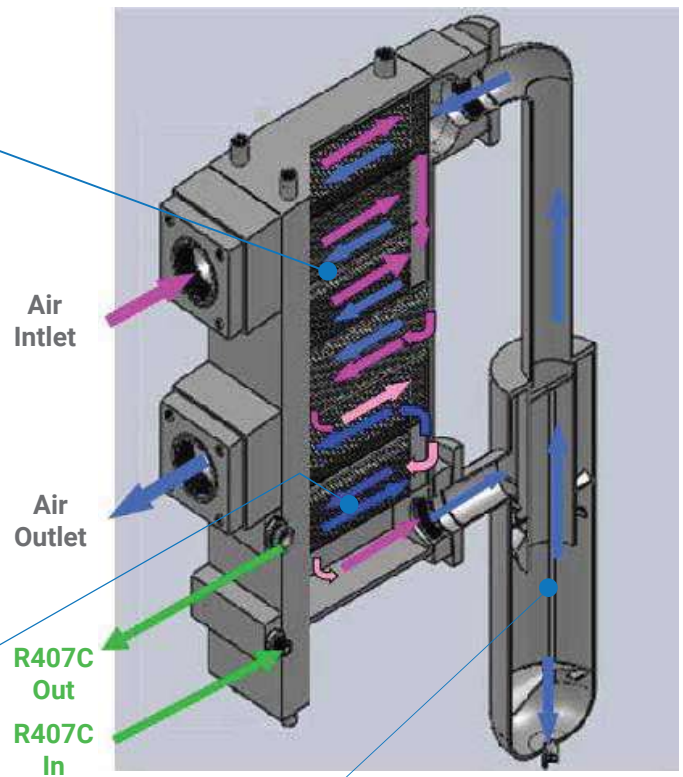
High efficiency reinforced aluminum heat exchanger is used for RSLF-60/RSLS-120 and above allows the refrigerant circuit to be 30% smaller than traditional refrigeration system and less energy consumption.

Air to Air Heat Exchanger

There are two phases (Pre-cool / Re-heat) in the air to air heat exchanger. The inlet air is pre-cooled by the outlet cold air whereby heat is being transfer to cold air. It reduce the energy consumption required by the refrigerant as portion of the heat load has been removed. At the same time by re-heating the cold air before it was supply to the production, it reduces the possibility of condensation at the external surface of the dryer outlet pipe.

Air to Refrigerant Heat Exchanger

The pre-cooled air will be further cool to the required dew point by transferring heat to the cold refrigerant in the air to refrigerant heat exchanger. The cold air will then be directed to the high efficiency moisture separator.

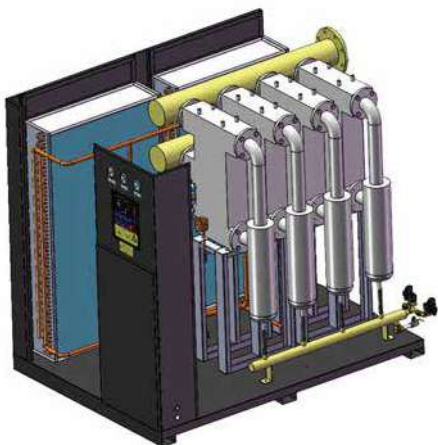


High Efficiency Moisture Separator

The cold air passed through the high efficiency moisture separator and condensate will be removed from the compressed air before being supply to production.

Stainless Steel Plated Heat Exchanger

Stainless steel plated heat exchanger is used for RSLF-06 to RSLF-40 and high-pressure RSLF-HP.



Models RSLF-60-PD to RSLF-350-PD / RSLS-120-PD to RSLS-350-PD use a single high efficiency and performance aluminum heat exchanger. Models RSLF-400-PD/RSLS-400-PD and above use multiple modules.

Technical Data RSLF-06-SSD - RSLF-40-SSD

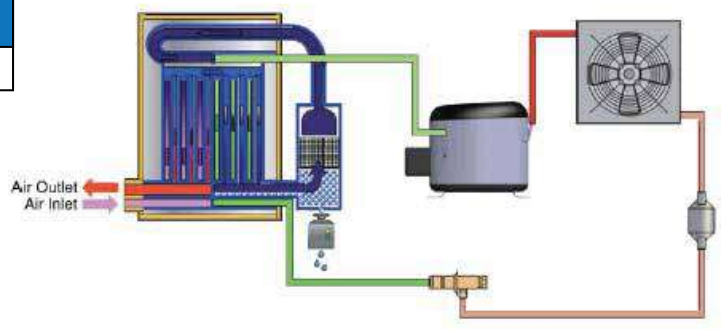
Model	Nominal Flow Rate	Air Connection	Dimensions (mm)			Weight kg	Power Supply	Installation Power	Refrigerant
	m³/min		L	W	H			kW	
RSLF-06-SSD	0.6	Rc 1/2"	500	250	500	25	220V/1Ph/50Hz	0.3	R134a
RSLF-09-SSD	0.9	Rc 1/2"	500	250	500	25	220V/1Ph/50Hz	0.3	R134a
RSLF-12-SSD	1.2	Rc 1/2"	600	310	500	30	220V/1Ph/50Hz	0.6	R134a
RSLF-15-SSD	1.5	Rc 1/2"	600	310	500	30	220V/1Ph/50Hz	0.6	R134a
RSLF-18-SSD	1.8	Rc 1/2"	600	310	500	30	220V/1Ph/50Hz	0.6	R134a
RSLF-24-SSD	2.4	Rc 3/4"	750	360	550	50	220V/1Ph/50Hz	0.9	R134a
RSLF-30-SSD	3.0	Rc 3/4"	750	360	550	50	220V/1Ph/50Hz	0.9	R134a
RSLF-36-SSD	3.6	Rc 3/4"	750	360	550	55	220V/1Ph/50Hz	1.0	R134a
RSLF-40-SSD	4.0	Rc 3/4"	750	360	550	55	220V/1Ph/50Hz	1.0	R134a

Nominal dryer flow rated at inlet pressure 7 barg, inlet air temperature 38°C, ambient temperature 38°C and pressure dew point 3°C to 10°C. Other power supply are available upon request

3 barg 44 psig	4 barg 58 psig	5 barg 73 psig	6 barg 87 psig	7 barg 102 psig	8 barg 116 psig	9 barg 131 psig	10 barg 145 psig	11 barg 160 psig	12 barg 174 psig	13 barg 189 psig	14 barg 203 psig	15 barg 218 psig	16 barg 232 psig
0.76	0.86	0.92	0.93	1.00	1.04	1.08	1.11	1.15	1.18	1.22	1.25	1.28	1.30

Correction factor for inlet temperature (KB)

35°C 95°F	38°C 100°F	40°C 104°F	45°C 113°F	50°C 122°F	55°C 134°F	60°C 146°F
1.11	1.00	0.92	0.76	0.69	0.56	0.46



Correction factor for ambient temperature (KC)

25°C 77°F	30°C 86°F	35°C 95°F	38°C 100°F	40°C 104°F	45°C 113°F	50°C 122°F
1.15	1.10	1.02	1.00	0.89	0.79	0.69

1. Selected the correction factor (KA), (KB) and (KC).
2. Calculate the dryer capacity require using the following: Actual flow rate = Nominal flow rate x KA x KB x KC



Model	Nominal Flow Rate	Air Connection	Dimensions (mm)			Weight kg	Power Supply	Installation Power	Refrigerant
	m³/min		L	W	H			kW	
RSLF-60-PD	6.5	Rc 1-1/2"	760	592	913	78	220V/1Ph/50H	1.6	R407C
RSLF-80-PD	8.8	Rc 1-1/2"	760	592	913	80	220V/1Ph/50H	2.0	R407C
RSLF-100-PD	11.0	Rc 1-1/2"	760	592	913	85	220V/1Ph/50H	2.0	R407C
RSLF-120-PD	13.0	Rc 2"	1000	710	1030	130	220V/1Ph/50H	2.4	R407C
RSLF-150-PD	17.0	Rc 2"	1000	710	1030	140	220V/1Ph/50H	3.7	R407C
RSLF-200-PD	22.0	Rc 2"	1000	710	1030	150	380V/3Ph/50H	4.5	R407C
RSLF-250-PD	27.0	Rc 2-1/2"	1000	830	1600	250	380V/3Ph/50H	5.4	R407C
RSLF-300-PD	33.0	Rc 2-1/2"	1000	830	1600	260	380V/3Ph/50H	6.8	R407C
RSLF-350-PD	37.0	Rc 2-1/2"	1000	830	1600	270	380V/3Ph/50H	7.9	R407C
RSLF-400-PD	45.0	DN 100	1250	1120	1750	500	380V/3Ph/50H	7.9	R407C
RSLF-500-PD	55.0	DN 100	1250	1120	1750	510	380V/3Ph/50H	10.6	R407C
RSLF-600-PD	65.0	DN 100	1250	1120	1750	550	380V/3Ph/50H	12.6	R407C
RSLF-700-PD	73.0	DN 125	1250	1120	1750	580	380V/3Ph/50H	12.6	R407C
RSLF-800-PD	80.0	DN 150	1460	2000	1770	700	380V/3Ph/50H	16.2	R407C
RSLF-900-PD	90.0	DN 150	1460	2000	1770	720	380V/3Ph/50H	16.2	R407C
RSLF-1000-PD	100.0	DN 150	1460	2000	1770	940	380V/3Ph/50H	19.1	R407C
RSLF-1200-PD	120.0	DN 150	1460	2000	1770	950	380V/3Ph/50H	19.1	R407C
RSLF-1500-PD	150.0	DN 200	1560	2000	1850	1150	380V/3Ph/50H	25.6	R407C
RSLF-1800-PD	180.0	DN 200	1560	2000	1850	1350	380V/3Ph/50H	30.8	R407C

Technical Data RSLS-120-PD - RSLS-1800-PD

Model	Nominal Flow Rate m³/min	Air Connection	Dimensions (mm) L W H			Weight kg	Power Supply	Installation Power kW	Cooling Water Connection	Cooling Water Consumption t/h	Refrigerant
RSLS-120-PD	13.0	Rc 2"	1000	710	1030	135	220V/1Ph/50Hz	2.43	3/4"	0.53	R407C
RSLS-150-PD	17.0	Rc 2"	1000	710	1030	140	220V/1Ph/50Hz	3.25	3/4"	0.73	R407C
RSLS-200-PD	22.0	Rc 2"	1000	710	1030	150	380V/3Ph/50Hz	4.27	3/4"	0.96	R407C
RSLS-250-PD	27.0	Rc 2-1/2"	1000	830	1600	250	380V/3Ph/50Hz	4.84	1"	1.07	R407C
RSLS-300-PD	33.0	Rc 2-1/2"	1000	830	1600	260	380V/3Ph/50Hz	6.29	1"	1.38	R407C
RSLS-350-PD	37.0	Rc 2-1/2"	1000	830	1600	270	380V/3Ph/50Hz	7.42	1"	1.61	R407C
RSLS-400-PD	45.0	DN 100	1100	1010	1750	500	380V/3Ph/50Hz	7.42	1-1/4"	1.79	R407C
RSLS-500-PD	55.0	DN 100	1100	1010	1750	510	380V/3Ph/50Hz	9.71	1-1/4"	2.29	R407C
RSLS-600-PD	65.0	DN 100	1100	1010	1750	550	380V/3Ph/50Hz	11.73	1-1/4"	2.77	R407C
RSLS-700-PD	73.0	DN 125	1100	1010	1750	560	380V/3Ph/50Hz	11.73	1-1/4"	3.05	R407C
RSLS-800-PD	80.0	DN 150	1100	1500	1800	680	380V/3Ph/50Hz	14.43	1-1/2"	3.18	R407C
RSLS-900-PD	90.0	DN 150	1100	1500	1800	700	380V/3Ph/50Hz	14.43	1-1/2"	3.74	R407C
RSLS-1000-PD	100.0	DN 150	1100	1770	1800	930	380V/3Ph/50Hz	17.34	1-1/2"	3.98	R407C
RSLS-1200-PD	120.0	DN 150	1100	1770	1800	950	380V/3Ph/50Hz	17.34	1-1/2"	4.76	R407C
RSLS-1500-PD	150.0	DN 200	1225	2220	1800	1150	380V/3Ph/50Hz	23.86	1-1/2"	5.96	R407C
RSLS-1800-PD	180.0	DN 200	1225	2220	1800	1350	380V/3Ph/50Hz	29.03	1-1/2"	7.16	R407C

*Nominal dryer flow rated at inlet pressure 7 barg, inlet air temperature 38°C ambient temperature 38°C, cooling water temperature 32°C and pressure dew point 3°C to 10°C. Other power supply are available upon request.

Correction factor for pressure (KA)

3 barg 44 psig	4 barg 58 psig	5 barg 73 psig	6 barg 87 psig	7 barg 102 psig	8 barg 116 psig	9 barg 131 psig	10 barg 145 psig	11 barg 160 psig	12 barg 174 psig	13 barg 189 psig	14 barg 203 psig	15 barg 218 psig
0.76	0.86	0.92	0.93	1.00	1.04	1.08	1.11	1.15	1.18	1.22	1.25	1.28

Correction factor for inlet temperature (KB)

35°C 95°F	38°C 100°F	40°C 104°F	45°C 113°F	50°C 122°F	55°C 134°F	60°C 146°F
1.11	1.00	0.92	0.76	0.69	0.56	0.46

Correction factor for cooling water temperature (KC')

20°C 68°F	25°C 77°F	32°C 90°F	35°C 95°F	40°C 104°F
1.17	1.09	1.00	0.92	0.84

Correction factor for ambient temperature (KC)

25°C 77°F	30°C 86°F	35°C 95°F	38°C 100°F	40°C 104°F	45°C 113°F	50°C 122°F
1.15	1.10	1.02	1.00	0.89	0.79	0.69

- Selected the correction factor (KA), (KB), and (KC/KC').
- Calculate the dryer capacity require using the following: Actual flow rate = Nominal flow rate x KA x KB x KC / KC'

Technical Data RSLF-60-PD - RSLF-1800-PD

Model	Nominal Flow Rate	Air Connection	Dimensions (mm)			Weight kg	Power Supply	Installation Power kW	Cooling Water Connection	Cooling Water Consumption	Refrigerant
	m³/min		L	W	H					t/h	
RSL-1500-ST	150	DN200	2900	1935	1956	2680	380V/3Ph/50Hz	29.0	R2 1/2"	20	R407C
RSL-2000-ST	200	DN200	3067	1995	2098	3900	380V/3Ph/50Hz	35.2	R2 1/2"	30	R407C
RSL-2500-ST	250	DN250	3700	2250	2263	4300	380V/3Ph/50Hz	46.4	R2 1/2"	32	R407C
RSL-3000-ST	300	DN250	3953	2525	2245	5000	380V/3Ph/50Hz	58.2	R3"	40	R407C
RSL-3500-ST	350	DN300	4000	2600	2500	5600	380V/3Ph/50Hz	63.8	R3"	45	R407C

*Nominal dryer flow rated at inlet pressure 7 barg, inlet air temperature 38°C, cooling water temperature 32°C and pressure dew point 3°C to 10°C. Other power supply are available upon request.

Correction factor for pressure (KA)

5 barg 73 psig	6 barg 87 psig	7 barg 102 psig	8 barg 116 psig	9 barg 131 psig	10 barg 145 psig
0.92	0.93	1.00	1.04	1.08	1.11

20°C 68°F	25°C 77°F	32°C 90°F	35°C 95°F	40°C 104°F
1.17	1.09	1.00	0.92	0.84

Correction factor for inlet temperature (KB)

35°C 95°F	38°C 100°F	40°C 104°F	45°C 113°F	50°C 122°F	55°C 131°F	60°C 140°F
1.11	1.00	0.92	0.76	0.69	0.56	0.46

1. Selected the correction factor (KA), (KB) and (KC).
2. Calculate the dryer capacity require using the following: Actual flow rate = Nominal flow rate x KA x KB x KC

Technical Data RSLF-HT (High Inlet Temperature)

Model	Nominal Flow Rate	Air Connection	Dimensions (mm)			Weight kg	Power Supply	Installation Power	Refrigerant
	m³/min		L	W	H			kW	
RSLF-12-HT	1.2	Rc 1/2"	655	325	550	35	220V/1Ph/50Hz	0.60	R134a
RSLF-24-HT	2.4	Rc 1"	815	475	600	70	220V/1Ph/50Hz	1.10	R134a
RSLF-30-HT	3.0	Rc 1"	815	475	600	75	220V/1Ph/50Hz	1.10	R134a
RSLF-60-HT	6.0	Rc 1-1/2"	750	690	1240	125	220V/1Ph/50Hz	1.90	R407C
RSLF-80-HT	8.0	Rc 1-1/2"	750	690	1240	128	220V/1Ph/50Hz	2.30	R407C
RSLF-100-HT	10.0	Rc 1-1/2"	750	690	1240	133	220V/1Ph/50Hz	2.50	R407C
RSLF-120-HT	12.0	Rc 2"	1000	820	1450	165	220V/1Ph/50Hz	2.75	R407C
RSLF-150-HT	15.0	Rc 2"	1000	820	1450	175	220V/1Ph/50Hz	3.30	R407C
RSLF-200-HT	22.0	Rc 2"	1000	820	1450	185	380V/3Ph/50Hz	5.50	R407C

*Nominal dryer flow rated at inlet pressure 7 barg, inlet air temperature 60°C, ambient temperature 38°C and pressure dew point 3°C to 10°C. Other power supply are available upon request.

Correction factor for pressure (KA)

4 barg 58 psig	5 barg 73 psig	6 barg 87 psig	7 barg 102 psig	8 barg 116 psig	9 barg 131 psig	10 barg 145 psig	11 barg 160 psig	12 barg 174 psig	13 barg 189 psig	14 barg 203 psig	15 barg 218 psig
0.86	0.92	0.93	1.00	1.04	1.08	1.11	1.15	1.18	1.22	1.25	1.28

Correction factor for inlet temperature (KB)

50°C 122°F	55°C 131°F	60°C 140°F	65°C 149°F	70°C 158°F	75°C 167°F	80°C 176°F
1.03	1.02	1.00	0.87	0.78	0.70	0.64

Correction factor for inlet temperature (KB)

25°C 77°F	30°C 86°F	35°C 95°F	38°C 100°F	40°C 104°F	45°C 113°F	50°C 122°F
1.15	1.10	1.02	1.00	0.89	0.85	0.61

1. Selected the correction factor (KA), (KB) and (KC).
2. Calculate the dryer capacity require using the following : Actual flow rate = Nominal flow rate x KA x KB x KC

Technical Data RSLF-HP (High Pressure)

Model	Nominal Flow Rate	Air Connection	Dimensions (mm)			Weight kg	Power Supply	Installation Power	Refrigerant
	m ³ /min		L	W	H			kW	
RSLF-12-HP	1.2	Rc 1/2"	600	310	500	35	220V/1Ph/50Hz	0.35	R134a
RSLF-15-HP	1.5	Rc 1/2"	600	310	500	35	220V/1Ph/50Hz	0.35	R134a
RSLF-18-HP	1.8	Rc 1/2"	600	310	500	35	220V/1Ph/50Hz	0.35	R134a
RSLF-24-HP	2.4	Rc 3/4"	750	360	550	50	220V/1Ph/50Hz	0.92	R134a
RSLF-30-HP	3.0	Rc 3/4"	750	360	550	50	220V/1Ph/50Hz	0.92	R134a
RSLF-36-HP	3.6	Rc 3/4"	750	360	550	55	220V/1Ph/50Hz	0.92	R134a
RSLF-40-HP	4.0	Rc 3/4"	750	360	550	55	220V/1Ph/50Hz	0.92	R134a
RSLF-60-HP	6.0	Rc 1-1/4"	750	550	880	80	220V/1Ph/50Hz	1.24	R134a
RSLF-80-HP	8.0	Rc 1-1/4"	750	550	880	80	220V/1Ph/50Hz	1.24	R134a
RSLF-90-HP	9.0	Rc 1-1/4"	750	550	880	80	220V/1Ph/50Hz	1.84	R134a
RSLF-100-HP	10.0	Rc 1-1/4"	750	550	880	80	220V/1Ph/50Hz	1.84	R134a
RSLF-120-HP	12.0	Rc 1-1/4"	750	550	880	80	220V/1Ph/50Hz	1.84	R134a
RSLF-150-HP	15.0	Rc 1-1/4"	1000	800	1000	150	220V/1Ph/50Hz	2.75	R407C
RSLF-200-HP	20.0	Rc 1-1/4"	1000	800	1000	150	220V/1Ph/50Hz	2.75	R407C
RSLF-250-HP	25.0	Rc 2-1/2"	1100	900	1550	270	380V/3Ph/50Hz	4.53	R407C
RSLF-300-HP	30.0	Rc 2-1/2"	1100	900	1550	270	380V/3Ph/50Hz	4.53	R407C
RSLF-350-HP	35.0	Rc 2-1/2"	1100	900	1550	300	380V/3Ph/50Hz	4.53	R407C
RSLF-400-HP	40.0	Rc 2-1/2"	1100	900	1550	350	380V/3Ph/50Hz	6.80	R407C
RSLF-500-HP	50.0	Rc 2-1/2"	1100	900	1550	470	380V/3Ph/50Hz	6.80	R407C
RSLF-600-HP	60.0	DN 80	1450	1130	1650	550	380V/3Ph/50Hz	8.93	R407C
RSLF-700-HP	70.0	DN 80	1450	1130	1650	570	380V/3Ph/50Hz	8.93	R407C
RSLF-800-HP	80.0	DN 80	1450	1130	1650	600	380V/3Ph/50Hz	10.61	R407C

*Nominal dryer flow rated at inlet pressure 40 barg, inlet air temperature 38°C .ambient temperature 38°C and pressure dew point 3°C to 10°C. Other power supply are available upon request.

Correction factor for pressure (KA)

20 barg 290 psig	25 barg 363 psig	30 barg 435 psig	35 barg 508 psig	40 barg 580 psig	45 barg 653 psig
0.91	0.94	0.97	0.99	1.00	1.01

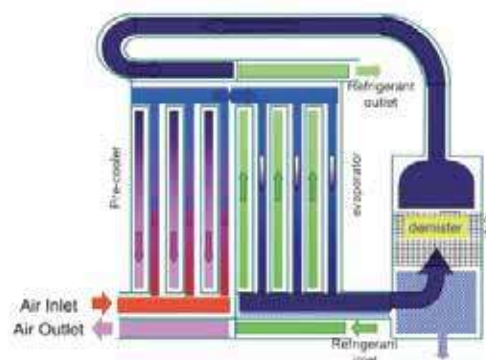
Correction factor for inlet temperature (KB)

30°C 86°F	32°C 90°F	38°C 100°F	45°C 110°F	50°C 122°F	55°C 130°F	60°C 140°F
1.27	1.18	1.00	0.87	0.76	0.68	0.61

Correction factor for ambient temperature (KC)

16°C 60°F	21°C 70°F	27°C 80°F	32°C 90°F	38°C 100°F	45°C 110°F
1.15	1.12	1.08	1.04	1.00	0.95

1. Selected the correction factor (KA), (KB) and (KC).
2. Calculate the dryer capacity require using the following: Actual flow rate = Nominal flow rate x KA x KB x KC



Technical Specifications

Model	Air Connections	Capacity		Dimensions (mm)			Weight kg	Recommended Pre-Filter Model	Recommended After-Filter Model
		m³/min	cfm	Length	Width	Height			
RSLS-1500-ST	DN200	150.0	5310	2750	1850	1900	2680	RSG-AO-2500F/V2	RSG-AA-2500F/V2
RSLS-1800-ST	DN200	180.0	6372	2900	1900	2000	3300	RSG-AO-3250F/V2	RSG-AA-3250F/V2
RSLS-2000-ST	DN200	200.0	7080	3300	2100	2100	3900	RSG-AO-3250F/V2	RSG-AA-3250F/V2
RSLS-2500-ST	DN250	250.0	8850	3750	2250	2300	4300	RSG-AO-4650F/V2	RSG-AA-4650F/V2
RSLS-3000-ST	DN250	300.0	10620	3800	2500	2400	5000	RSG-AO-5200F/V2	RSG-AA-5200F/V2
RSLS-3500-ST	DN300	350.0	12390	4000	2600	2500	5600	RSG-AO-7800F/V2	RSG-AA-7800F/V2



Rated conditions

Rated conditions	
Working pressure	: 0.7MPag (100psig)
Inlet temp	: 38° (100°)
Ambient temp	: 38° (100°)
Cooling water temperature	: 32° (89.6°)

Working range

Max.Working pressure	: 1.0Mpag (145psig)
Max.Inlet temperature	: 50° (122°)
Max.Ambient temperature	: 45° (113°)
Min.Ambient temperature	: 5° (41°)
Max.Cooling water temp.	: 40° (104°)

Available Options

For pressure > 1.0MPag (145psig), please contact us. Different power supply available
If the capacity > 350m³/min (145psig), please contact us. Vessel Standard: GB, ASME, PED, etc.

Correction Factors

Actual capacity(m³/min)=selection capacity x KA x KB x KC'

Working Pressure (KA)	Mpag	0.5	0.6	0.7	0.8	0.9	1.0
	CFP	0.92	0.93	1.00	1.04	1.08	1.11

Inlet Temperature(KB)	°C	35	38	40	46	49	54	60
	CFT	1.11	1.00	0.92	0.76	0.69	0.56	0.46

Cooling Water Temperature (KC')	°C	20	25	32	35	40
	CFT	1.17	1.09	1.00	0.92	0.84



Technical Specifications

Model	Capacity		Air Connections	Dimensions(mm)					Weight(kg)
	m ³ /min	CFM		A	B	C	D	E	
RSG-**-0017G/V2	1	35.4	G1/2'	89	42	160	95	/	1.1
RSG-**-0030G/V2	1.8	63.7	G1/2'	89	42	193	130	/	1.5
RSG-**-0058G/V2	3.6	127.4	G3/4'	120	58	252	172	/	2.5
RSG-**-0080G/V2	4.8	169.9	G1'	120	58	352	272	/	3.2
RSG-**-0145G/V2	8.7	308.0	G1-1/2'	120	58	352	272	/	3.2
RSG-**-0220G/V2	13.2	467.3	G2'	162	74	424	320	/	6.6
RSG-**-0330G/V2	20	708.0	G2'	162	74	738	625	/	10.9
RSG-**-0430G/V2	25.8	913.3	G3'	200	90	488	400	/	12.9
RSG-**-0620G/V2	40	1416.0	G3'	200	90	749	625	/	17.5
RSG-**-0830F/V2	50	1770.0	DN100	493	263	1119	340	650	115
RSG-**-1000F/V2	60	2124.0	DN100	493	263	1119	340	650	115
RSG-**-1200F/V2	70	2478.0	DN125	617	290	1179	340	650	145
RSG-**-1300F/V2	80	2832.0	DN125	617	290	1179	340	650	150
RSG-**-1950F/V2	120	4248.0	DN150	617	299	1206	340	650	195
RSG-**-2500F/V2	150	5310.0	DN200	666	343	1354	340	650	240
RSG-**-3250F/V2	200	7080.0	DN200	740	368	1459	340	650	380
RSG-**-4650F/V2	260	9204.0	DN250	800	420	1583	340	650	450
RSG-**-5200F/V2	312	11044.8	DN250	800	420	1583	340	650	455
RSG-**-7800F/V2	468	16567.2	DN300	906	476	1646	340	650	850

RSG-**-0017G~0620G filter:Max pressure:1.6MPag,RSG-**-0830F~7800F filter:Max pressure:1.57MPag

Filter Specification

Oil and water filter:AO,AA and AX Activated carbon filter:ACS
Dust filter:AR and AAR

Grade	Particle Removal (inc water&oil aerosols)	Oil Carryover at 21°C	Dry Δp	Wet Δp	Element Change Interval	Precede with Filtration Grade
AO	1 μm	0.5 mg/m ³	0.007 Mpa	0.014 Mpa	12 months	WS
AA	0.01 Micron	0.01 mg/m ³	0.01 Mpa	0.02 Mpa	12 months	AO
AR	1 Micron	/	0.007 Mpa	/	12 months	/
AAR	0.01 Micron	/	0.01 Mpa	/	12 months	AR
AX	0.01 Micron	0.001 mg/m ³	0.02 Mpa	0.04 Mpa	12 months	AA
ACS	/	0.003 mg/m ³	0.007 Mpa	/	1000 hours	AA

Correction Factors

Working Pressure(MPag)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
CFP	0.38	0.53	0.65	0.76	0.85	0.93	1.00	1.07
Working Pressure(MPag)	0.9	1	1.1	1.2	1.3	1.4		
CFP	1.13	1.20	1.25	1.31	1.36	1.41		

Air Filter PF Series

Grade "P", filtering precision is 5μ, (be equal to dh's "PF")
 Grade "O", filtering precision is 1μ, remained oil is 0.5ppm (be equal to dh's "AO")
 Grade "A", filtering precision is 0.01μ, remained oil is 0.01ppm (be equal to dh's "AA")
 Grade "X", filtering precision is 0.01μ, remained oil is 0.001ppm (be equal to dh's "AX")
 Grade "R", filtering precision is 1μ (be equal to dh's "AR")
 Grade "RA", filtering precision is 0.01μ (be equal to dh's "AAR")



Technical Data

Model	Capacity		Dimensions (mm)			Weight Kg	Air Connections	Recommended Pre-Filter Model	Recommended After-Filter Model
	m³/min	CFM	Length	Width	Height				
RSXW-20	2.0	70.8	778	400	1655	210	DN25	RSG-AO-0058G/V2	RSG-AR-0058G/V2
RSXW-30	3.0	106.2	851	500	1705	250	DN25	RSG-AO-0058G/V2	RSG-AR-0058G/V2
RSXW-60	6.0	212.4	1300	350	2130	425	DN40	RSG-AO-0145G/V2	RSG-AR-0145G/V2
RSXW-80	8.0	283.2	1300	350	2130	450	DN40	RSG-AO-0145G/V2	RSG-AR-0145G/V2
RSXW-100	10.0	354.0	1300	455	1845	585	DN50	RSG-AO-0220G/V2	RSG-AR-0220G/V2
RSXW-120	12.0	424.8	1300	455	1845	600	DN50	RSG-AO-0220G/V2	RSG-AR-0220G/V2
RSXW-150	15.0	531.0	1300	455	2050	800	DN50	RSG-AO-0330G/V2	RSG-AR-0330G/V2
RSXW-200	20.0	708.0	1640	540	2045	895	DN65	RSG-AO-0330G/V2	RSG-AR-0330G/V2
RSXW-250	25.0	885.0	1640	600	2010	1050	DN65	RSG-AO-0430G/V2	RSG-AR-0430G/V2
RSXW-300	30.0	1062.0	1900	650	2020	1125	DN80	RSG-AO-0620G/V2	RSG-AR-0620G/V2
RSXW-400	40.0	1416.0	1900	750	2080	1410	DN80	RSG-AO-0620G/V2	RSG-AR-0620G/V2

Rated conditions

Working pressure : 0.7MPag(100psig)
 Inlet temp : 38°C (100°)
 Ambient temp : 38°C (100°)
 PDP : -40°

Working Range

Max. Working pressure : 1.0MPag(145psig)
 Max. Inlet temperature : 50°C (122°)
 Max. Ambient temperature : 45°C (113°)

Available Option

For pressure > 1.0MPag(145psig), please contact us. Different power supply available
 PDP -20°C and -70°C available
 Vessel Standard: GB, ASME, PED, etc.

Correction Factors

To obtain dryer capacity at actual conditions, nominal capacity x KA x KB

Working Pressure (KA)	Mpag	0.5	0.6	0.7	0.8	0.9	1.0
	CFP	0.87	0.94	1.00	1.06	1.12	1.17

Inlet Temperature(KB)	°C	35	38	40	42	45
	CFT	1.18	1.00	0.90	0.81	0.69



Technical Data

Model	Capacity		Installed Power(kw)	Dimensions (mm)			Weight Kg	Air Connections	Recommended Pre-Filter Model
	m³/min	CFM		Length	Width	Height			
RSCF-30	3.0	106	0.49	1230	830	2012	585	DN25	RSG-AO-0058G/V2
RSCF-80	8.0	283	1.4	1430	930	2142	950	DN40	RSG-AO-0145G/V2
RSCF-100	10.0	354	1.85	1500	1030	2242	1140	DN50	RSG-AO-0220G/V2
RSCF-150	15.0	531	3.03	1600	1230	2212	1700	DN50	RSG-AO-0330G/V2
RSCF-200	20.0	708	3.1	1700	1100	2224	2150	DN65	RSG-AO-0330G/V2
RSCF-250	25.0	885	3.63	1900	1230	2212	2350	DN65	RSG-AO-0430G/V2
RSCF-300	30.0	1062	4.4	1950	1250	2087	2650	DN80	RSG-AO-0620G/V2
RSCF-400	40.0	1416	6.13	2050	1320	2095	2700	DN100	RSG-AO-0620G/V2
RSCF-500	50.0	1770	6.9	2300	1450	2105	3100	DN100	RSG-AO-0830F/V2
RSCF-600	60.0	2124	8.34	2450	1520	2254	3750	DN125	RSG-AO-1000F/V2

Rated conditions

Working pressure : 0.7MPag (100psig)
 Inlet temp : 38°C (100°C)
 Ambient temp : 38°C(100°C)
 Cooling type : Water
 Refrigerant : R407C
 PDP : -40°C

Working Range

Max. Inlet temperature : 45°C (113°C)
 Max. Ambient temperature : 45°C (113°C)
 Min. Ambient temperature : 5°C (41°C)

Available Option

For pressure > 1.0MPag(145psig), please contact us Different power supply available
 Air cooling type available PDP -20°C and -70°C available
 Vessel Standard: GB,ASME,PED,etc

Correction Factors

To obtain dryer capacity at actual conditions, nominal capacity x KA

Working Pressure	0.4	0.5	0.6	0.7	0.8	0.9	1.0
KA	0.625	0.75	0.875	1	1.125	1.25	1.37



Technical Data

Model	Capacity		Installed Power(kw)	Dimensions (mm)			Weight Kg	Air Connections	Recommended Pre-Filter Model	Recommended After-Filter Model
	m³/min	CFM		Length	Width	Height				
RSXB-150	15.0	531	12.2	1600	1050	2350	1600	DN50	RSG-AO-0330G/V2	RSG-AR-0330G/V2
RSXB-180	18.0	637	16.0	2000	1065	2320	1800	DN65	RSG-AO-0330G/V2	RSG-AR-0330G/V2
RSXB-220	22.0	779	19.0	2200	1110	2400	1960	DN65	RSG-AO-0430G/V2	RSG-AR-0430G/V2
RSXB-250	25.0	885	20.5	2200	1200	2540	2100	DN65	RSG-AO-0430G/V2	RSG-AR-0430G/V2
RSXB-330	33.0	1168	26.0	2300	1360	2655	2710	DN80	RSG-AO-0620G/V2	RSG-AR-0620G/V2
RSXB-440	44.0	1558	35.5	2500	1450	2680	3000	DN100	RSG-AO-0830F/V2	RSG-AR-0830F/V2
RSXB-600	60.0	2124	50.5	2600	1550	2800	3800	DN125	RSG-AO-1000F/V2	RSG-AR-1000F/V2
RSXB-700	70.0	2478	62.5	2800	1700	2900	4400	DN125	RSG-AO-1200F/V2	RSG-AR-1200F/V2
RSXB-900	90.0	3186	75.0	3600	1900	2900	5600	DN150	RSG-AO-1950F/V2	RSG-AR-1950F/V2
RSXB-1200	120.0	4248	134.0	4190	2200	3135	7050	DN150	RSG-AO-1950F/V2	RSG-AR-1950F/V2
RSXB-1500	150.0	5310	147.0	5058	2316	3095	8500	DN200	RSG-AO-2500F/V2	RSG-AR-2500F/V2

Rated conditions

Working pressure : 0.7MPag (100psig)
 Inlet temp : 38°C (100°C)
 Ambient temp : 38°C (100°C)
 PDP : -40°C

Working Range

Max.working pressure : 1.0MPag (145psig)
 Max.Inlet temperature : 45°C (113°C)
 Max.Ambient temperature : 40°C (104°C)

Available Option

For pressure > 1.0MPag (145psig), please contact us. Different power supply available
 PDP -20°C and -70°C is available Zero Purge is available
 Vessel Standard:GB,ASME,PED,etc.

Correction Factors

To obtain dryer capacity at actual conditions, nominal capacity x KA x KB

Working Pressure (KA)	Mpag	0.5	0.55	0.6	0.7	0.8	0.9	1.0
	CFP	0.75	0.81	0.87	1.00	1.13	1.25	1.37

Inlet Temperature(KB)	°C	35	38	40	42	45
	CFT	1.18	1.00	0.9	0.81	0.69



Technical Data

Model	Capacity		Heater (kw)	Dimensions (mm)			Weight Kg	Air Connections	Recommended Pre-Filter Model	Recommended After-Filter Model
	m ³ /min	CFM		Length	Width	Height				
RSXJ-60	6.0	212	4	1300	450	1785	650	DN40	RSG-AO-0145G/V2	RSG-AR-0145G/V2
RSXJ-80	8.0	283	4	1300	450	1785	650	DN40	RSG-AO-0145G/V2	RSG-AR-0145G/V2
RSXJ-100	10.0	354	5	1300	450	2015	725	DN50	RSG-AO-0220G/V2	RSG-AR-0220G/V2
RSXJ-120	12.0	425	5	1300	450	2015	750	DN50	RSG-AO-0220G/V2	RSG-AR-0220G/V2
RSXJ-150	15.0	531	7.5	1300	550	2250	850	DN50	RSG-AO-0330G/V2	RSG-AR-0330G/V2
RSXJ-200	20.0	708	10	1500	600	2230	975	DN65	RSG-AO-0330G/V2	RSG-AR-0330G/V2
RSXJ-250	25.0	885	12	1600	600	2530	1100	DN65	RSG-AO-0430G/V2	RSG-AR-0430G/V2
RSXJ-300	30.0	1062	15	1700	650	2525	1300	DN80	RSG-AO-0620G/V2	RSG-AR-0620G/V2
RSXJ-400	40.0	1416	20	2000	810	2520	1785	DN80	RSG-AO-0620G/V2	RSG-AR-0620G/V2
RSXJ-500	50.0	1770	25	2500	910	2755	2200	DN100	RSG-AO-0830F/V2	RSG-AR-0830F/V2
RSXJ-600	60.0	2124	30	2500	910	2775	2350	DN125	RSG-AO-1200F/V2	RSG-AR-1200F/V2

Rated conditions

Working pressure : 0.7MPag(100psig)
 Inlet temp : 38°C (100°C)
 Ambient temp : 38°C (100°C)
 PDP : -40°C

Working Range

Max. Working pressure : 1.0MPag(145psig)
 Max. Inlet temperature : 50°C (122°C)
 Max. Ambient temperature : 45°C (113°C)

Available Option

For pressure > 1.0MPag (145psig) ,please contact us. Different power supply available
 PDP -20°C / -70°C is available
 Vessel Standard:GB,ASME,PED,etc.

Correction Factors

To obtain dryer capacity at actual conditions, nominal capacity x KA x KB

Working Pressure (KA)	Mpag	0.5	0.6	0.7	0.8	0.9	1.0
	CFP	0.75	0.87	1.00	1.13	1.25	1.37
Inlet Temperature(KB)	°C	35	38	40	42	45	
	CFT	1.18	1.00	0.9	0.81	0.69	



Technical Data

Model	Capacity		Water Consumption (T/h)	Dimensions (mm)			Weight Kg	Air Connections	Cooling water Connections	Recommended After-Filter Model
	m³/min	CFM		Length	Width	Height				
RSXY-400	40.0	1416	14	2800	1500	2800	2950	DN100	DN65	RSG-AR-0620G/V2
RSXY-600	60.0	2124	21	3000	2000	2970	3800	DN125	DN80	RSG-AR-1000F/V2
RSXY-900	90.0	3186	35	3500	2200	2800	7600	DN150	DN100	RSG-AR-1950F/V2
RSXY-1200	120.0	4248	41.5	4000	2500	2770	6150	DN150	DN100	RSG-AR-1950F/V2
RSXY-1500	150.0	5310	52	4500	2700	2950	7900	DN200	DN125	RSG-AR-2500F/V2
RSXY-1800	180.0	6372	60	4600	2800	3100	8700	DN200	DN125	RSG-AR-3250F/V2
RSXY-2000	200.0	7080	69	4700	2850	3100	9500	DN200	DN150	RSG-AR-3250F/V2
RSXY-2500	250.0	8850	86.5	4750	2900	3370	12500	DN250	DN150	RSG-AR-4650F/V2
RSXY-3000	300.0	10620	104	4800	3100	3550	15500	DN250	DN150	RSG-AR-5200F/V2
RSXY-3500	350.0	12390	121	5200	3200	3700	19500	DN300	DN200	RSG-AR-7800F/V2
RSXY-4000	400.0	14160	138.5	5500	3200	3950	22000	DN300	DN200	RSG-AR-7800F/V2

Recommended conditions

Working pressure : 0.7MPag (100psig)
 Inlet temperature : 110°C~140°C (230°C~284°C)
 Cooling water temperature : 32°C (90°C)

Working Range

Applied to the recommended conditions, other working conditions please contact us. Different power supply available
 PDP -20°C/-70°C available
 Vessel Standard : GB,ASME,PED,etc

AJ AUGUST

INDONESIA JAYA



AJ AUGUST INDONESIA JAYA

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