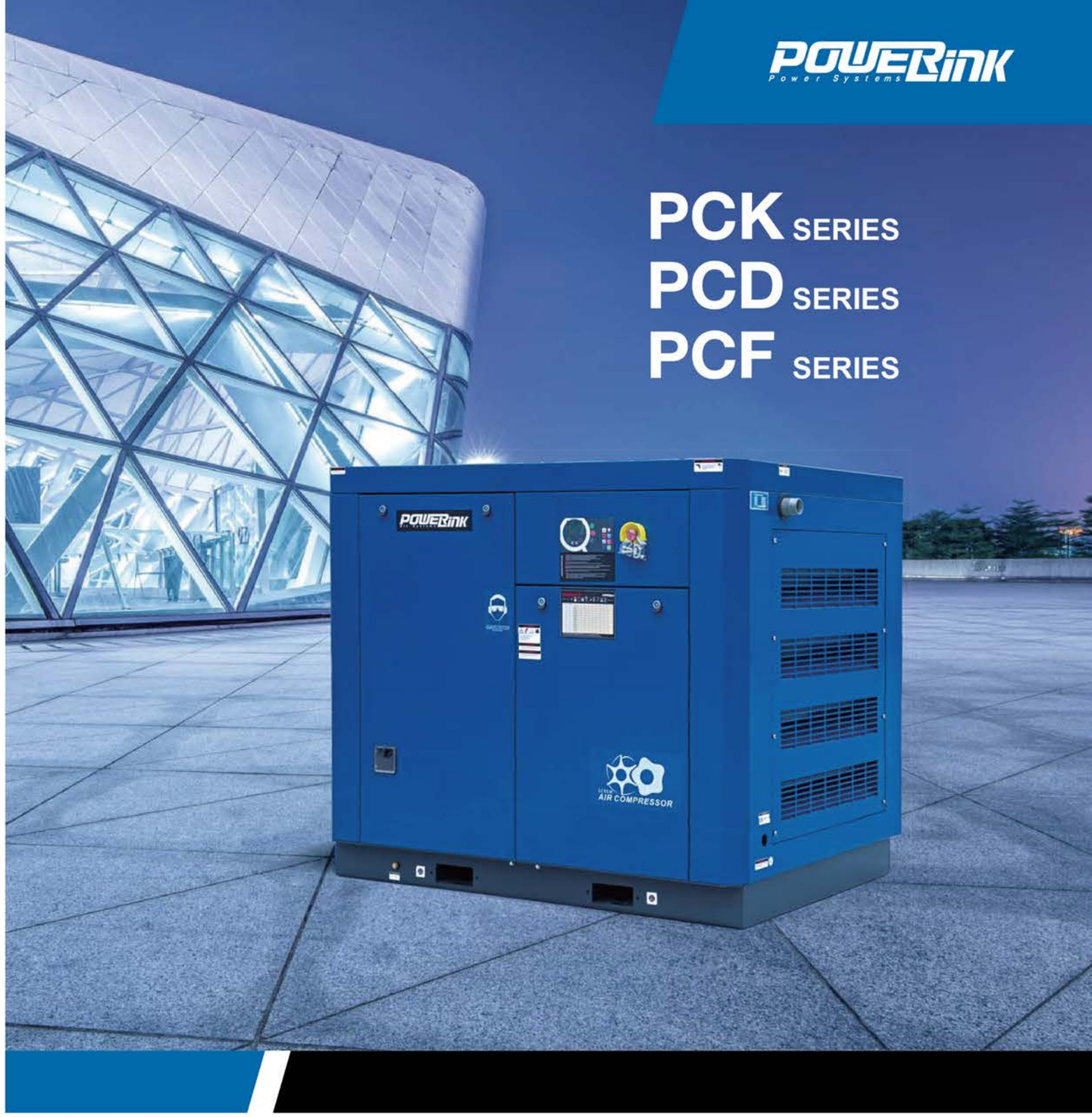

POWERLINK
Power Systems

PCK SERIES
PCD SERIES
PCF SERIES

SCREW AIR COMPRESSOR

POWERLINK
Power Systems

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E-mail: info@powerlinkworld.com

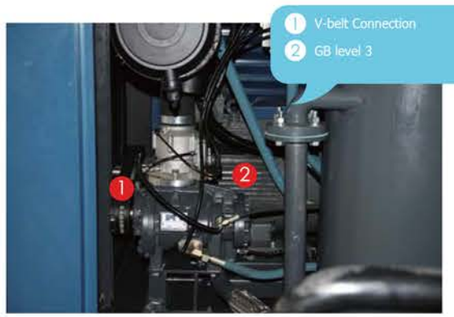
More information:

October 2015 NO.20151008

AIR Compressor

High-end Configuration and Energy Efficient

- Efficient motor specialized for compressors with long service life
- Rational configuration of compressors within the same power range satisfies the needs of air displacement.
- Advanced gas-oil separation system with less oil, which is easy to maintain.



PCK Series

- 7.5 - 55kw, belt transmission

PCD Series

- 75 - 250kw, direct coupling transmission

PCF Series

- Coupling / Gear variable transmission

Compressed Air Terminal with Low Energy Consumption

Adopt latest technology for optimum efficiency.
Meet highest ISO9001 manufacturing quality standard, very economical.

Efficient Cooling System

- Radiator: sufficient cooling area, high-end manufacturing quality
- Cooling fan: in conformity with EU Eff1 standard, high efficiency, low noise and longer service life
- Intelligent operation: owing to adjustment of oil temperature by the PLC, lubrication oil always keeps in the optimal working condition

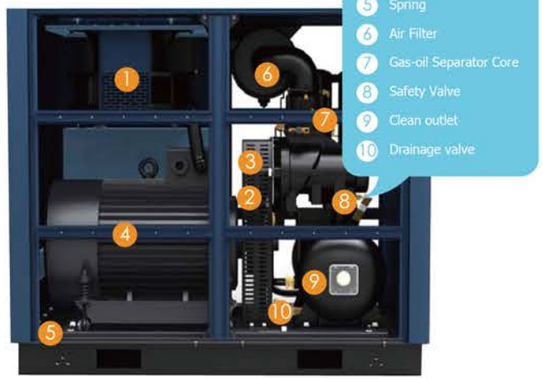
Outstanding Safety Performance

Information Safety

- The compressor is equipped with monitoring system, of which the LCD monitor helps you monitor the operation of compressor in real time and has multiple functions such as data display and monitoring.

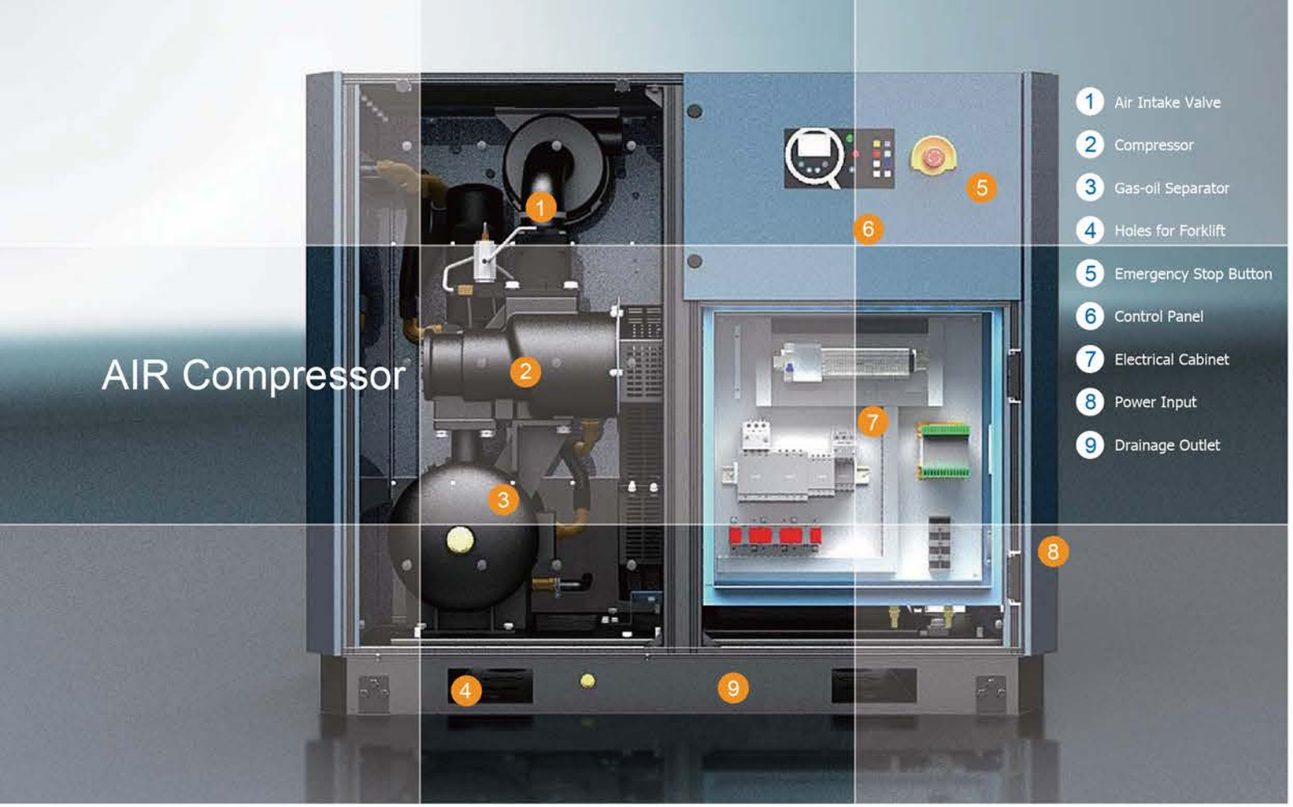
Operational Safety

- Protection function when starting up
- Automatic alarm for overload, overpressure and high temperature, shutdown protection
- Mechanical overpressure protection



Electrical Safety

- World-renowned brand of components
- Passing UL Certification
- Self-test every time before start of the compressor
- Multi-layer self-protection functions
- Data recovery function after power failure



Energy Conservation and Environmental Protection

Environmental-friendly and Pollution-free

- The chassis with anti-twist and liquid-impermeable design could bring 100% safety protection for the ground.
- Completely closed cavity in the chassis ensures drainage at one time in case of occurrence of internal leakage.
- Flexible pipes have good heat radiation performance with no leakage,low vibration and low noise.
- Large air-conditioned delivery system can make outlet air temperature only 8-10°C higher than that in the inlet,environmental-friendly.

High-quality Sound Attenuating Material and Design

- Multiple-layer anti-vibration design can reduce the noise pollution arising from vibration and friction.
- Double vibration absorbing bracket and chassis ensure lowest vibration in operation.
- The flexible chassis with self-supporting bracket ensures no structural friction noise in transportation.
- The integrated design of air duct and sound absorbing material can reduce the noise effectively.

Energy Conservation and Environmental Protection

Compact Structure

- No need of independent storage device
- Installation of soundproof canopy without base

High Efficiency and Energy Conservation

- Professional and accurate calculation of electromotor and compressor configuration data ensures highest operational efficiency with less consumption.
- The smooth surface is fire-resistant, dustproof, oil-proof and environmental-friendly.
- The unique internal dustproof design and the dustproof bars with specially-fabricated casing ensure perfect dustproof effect.

Easy to Operate

Switch box conforming to DIN and VDE standards

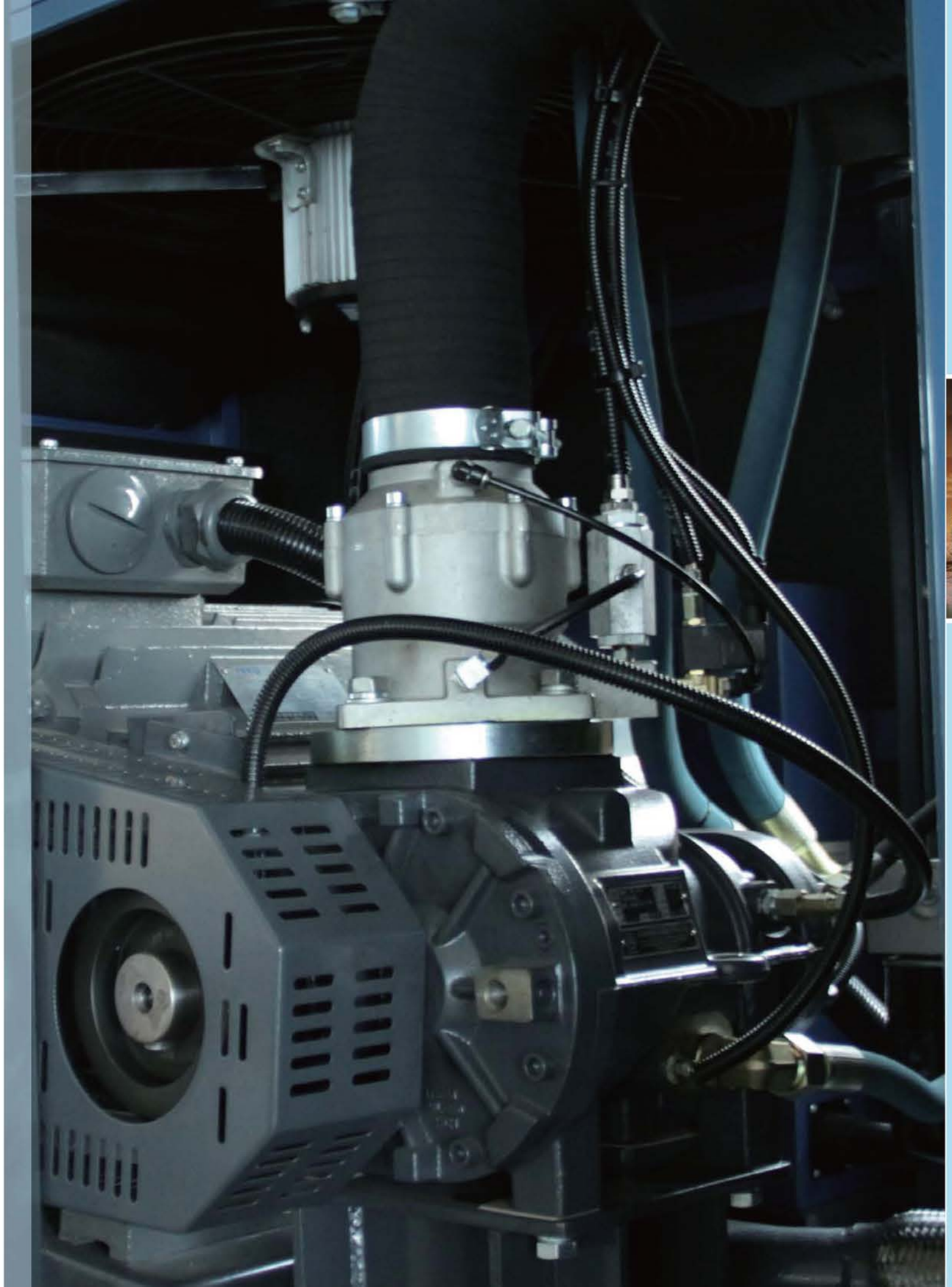
- Simple structure
- Easy access to all parts
- Space for additional equipment
- Equipped with Air Control microprocessor

Air Control Sensor Controller

- Luminous LCD for continuous simple text and important operating parameters display.
- Display of all operation data for help in form of figures.
- Display of operating condition of variable frequency compressor in percentage.

Easy Maintenance

- User-friendly design, reserve space for easy and convenient repair and maintenance.
- Automatically reminding maintenance time and fault inquiry of control system.
- Information maintenance through AIR CONTROL .



AIR Compressor

Control System

Digital and intelligent control system allows easier operation.

Air Control

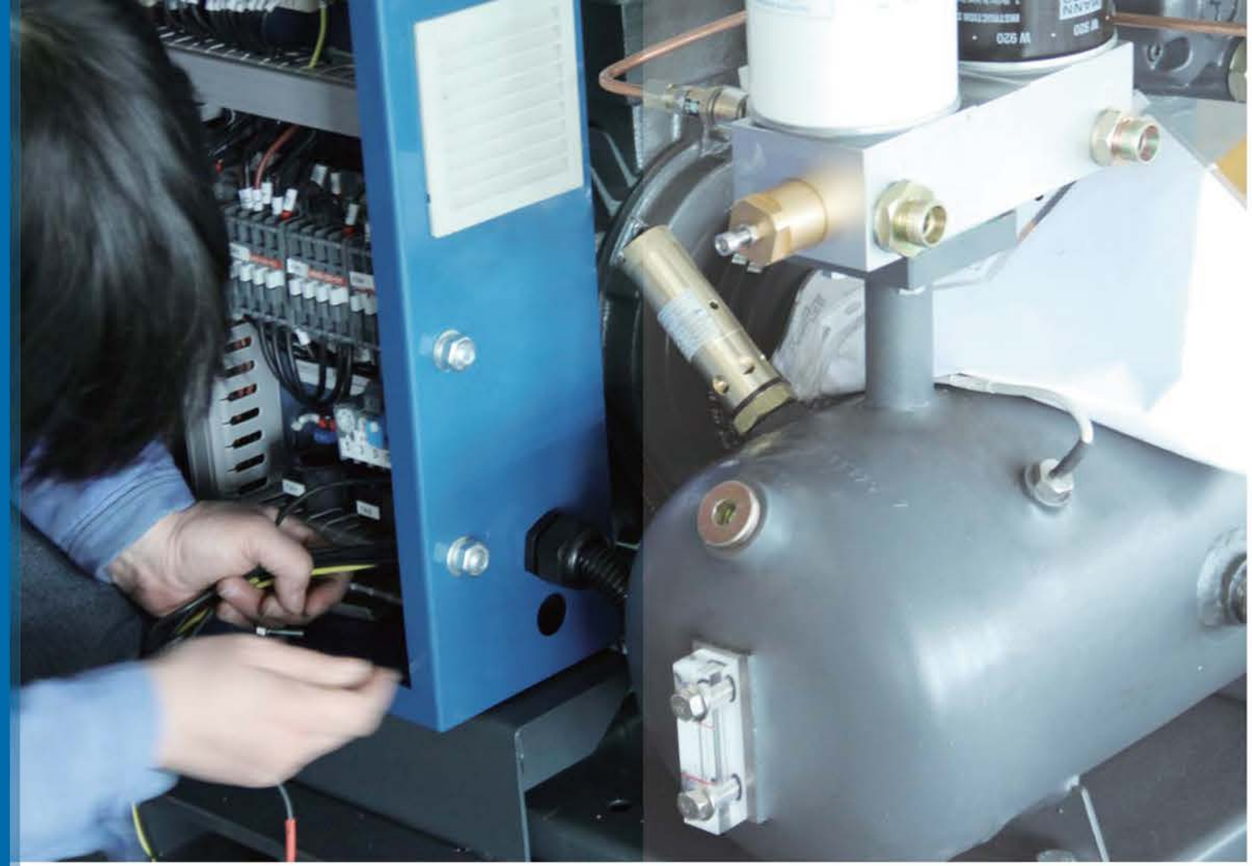
Air Control is a sensor controller with switching point differential pressure at only 0.2 bar, helping save a lot of energy.

Easy to Operate

- Economic control panel can be seen from 45°angle.
- Display of all important running statuses.

High-efficiency and Economical

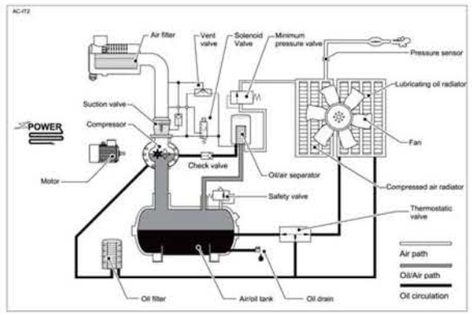
- The best operation mode is optional.
- Visibility of operating parameters-including hardware and software needed(optional).
- Automatic shutdown of compressor before activation of safety valve in fault condition.



AIR Compressor

Air Control 3 Standard model is equipped with devices as follows:

- 7 channels for change-over of compressor switch
- 7 channels for display of compressor pressure reduction



Management of Auxiliary Equipment (optional)

- 7 time control channels for power failure warning of 4 auxiliary outputs equipment
- Management of 8 auxiliary input devices
- Air station including auxiliary equipment can be managed through Air Control 3.

Air Control can manage 8 compressors in basic load options at most.

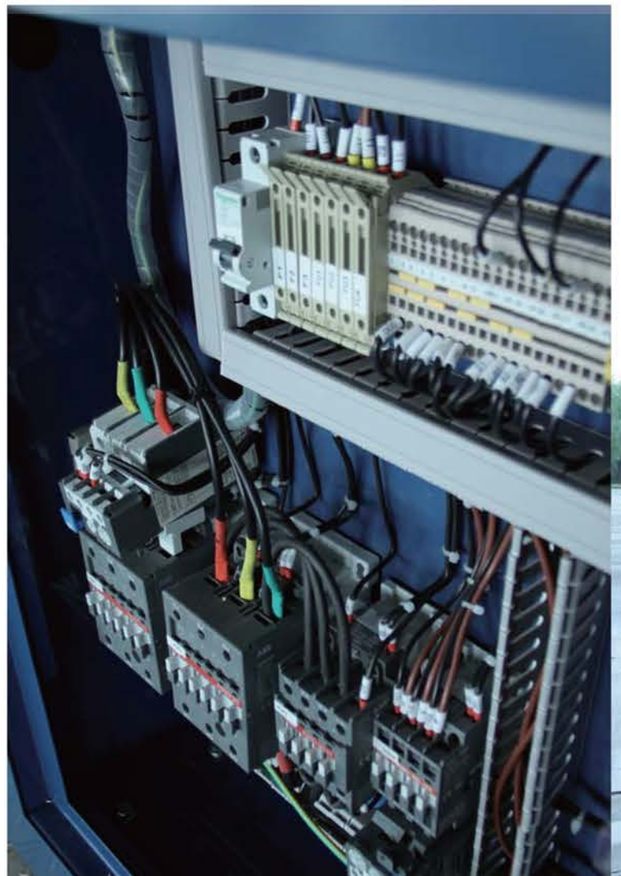
- Each compressor can conduct cycle operation within the pressure scope.
- All compressors operations are consistent with that of each other.
- The joint control of compressor could greatly improve efficiency with low cost.

Timely Display of the Definte Information such as Air Consumption and the Important Operational Parameters

- System load
- Activation of remote operation
- Final pressure
- Text display of operation warning / fault
- Compressor temperature fault
- Motor fault
- Service interval fault.When service expires,the service hotline will appear.
- Date/real-time clock
- Compression temperature
- Sensor error

Built-in Monitor Displays All “Help” Operation Data in Graphic Form

- Total running hours
- Full load hours
- No-load hours
- Standby hours
- Display of operating condition of variable frequency compressor in percentage
- Progress curve of pressure and time
- Progress curve of final temperature and time



Technical Data of PCK Series (GB)

Model	Power	Capacity (FAD)			Maximum working pressure		Noise level	HZ/Phase/ Voltage	Mode of connection	Control mode	Structure type	Outlet Dimension	Weight
	kW	l/s	m³min	cfm	bar	psig	db(A)						kg
PCK11/8A	7.5	20.00	1.2	44.3	8	116	66	50HZ 3P 400V	Belt connection	PLC	Stationary	G3/4"	320
PCK11/10A	7.5	16.67	1.0	37.1	10	145	66	50HZ 3P 400V	Belt connection	PLC	Stationary	G3/4"	320
PCK15/8A	11	28.33	1.7	59.6	8	116	66	50HZ 3P 400V	Belt connection	PLC	Stationary	G3/4"	375
PCK15/10A	11	25.00	1.5	52.1	10	145	66	50HZ 3P 400V	Belt connection	PLC	Stationary	G3/4"	375
PCK20/8A	15	38.33	2.3	82.1	8	116	68	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	485
PCK20/10A	15	31.67	1.9	67.1	10	145	68	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	475
PCK25/8A	18.5	51.67	3.1	110.7	8	116	68	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	470
PCK25/10A	18.5	43.33	2.6	93.6	10	145	68	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	470
PCK30/8A	22	58.33	3.5	126.4	8	116	70	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	550
PCK30/10A	22	51.67	3.1	111.4	10	145	70	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	535
PCK40/8A	30	76.67	4.6	164.3	8	116	70	50HZ 3P 400V	Belt connection	PLC	Stationary	G1 1/4"	900
PCK40/10A	30	68.33	4.1	147.1	10	145	70	50HZ 3P 400V	Belt connection	PLC	Stationary	G1 1/4"	915
PCK50/8A	37	98.33	5.9	212.1	8	116	74	50HZ 3P 400V	Belt connection	PLC	Stationary	G1 1/4"	850
PCK50/10A	37	81.67	4.9	175.0	10	145	74	50HZ 3P 400V	Belt connection	PLC	Stationary	G1 1/4"	890
PCK60/8A	45	125.00	7.5	267.9	8	116	74	50HZ 3P 400V	Belt connection	PLC	Stationary	G2"	840
PCK60/10A	45	108.33	6.5	232.1	10	145	74	50HZ 3P 400V	Belt connection	PLC	Stationary	G2"	800
PCK75/8A	55	156.67	9.4	334.6	8	116	78	50HZ 3P 400V	Belt connection	PLC	Stationary	G2"	1300
PCK75/10A	55	144.33	8.6	307.1	10	145	78	50HZ 3P 400V	Belt connection	PLC	Stationary	G2"	1510

Technical Data of PCD Series (GB)

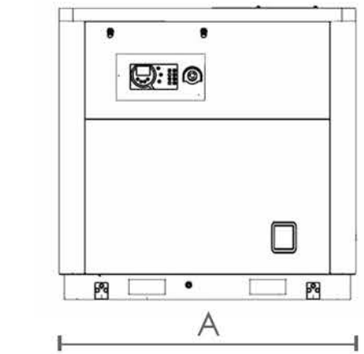
Model	Power	Capacity (FAD)			Maximum working pressure		Noise level	HZ/Phase/ Voltage	Mode of connection	Control mode	Structure type	Outlet Dimension	Weight
	kW	l/s	m³min	cfm	bar	psig	db(A)						kg
PCD100/8A	75	205.00	12.3	440.4	8	116	80	50HZ 3P 400V	Direct connection	PLC	Stationary	G2"	1850
PCD120/8A	90	260.00	15.6	556.6	8	116	80	50HZ 3P 400V	Direct connection	PLC	Stationary	G2"	1865
PCD120/10A	90	193.33	11.6	415.4	10	145	80	50HZ 3P 400V	Direct connection	PLC	Stationary	G2"	1865
PCD150/8A	110	310.00	18.6	665.0	8	116	82	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	2890
PCD150/10A	110	258.33	15.5	553.6	10	145	82	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	2850
PCD180/8A	132	383.33	23.0	821.4	8	116	82	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	3250
PCD180/10A	132	356.67	21.4	764.3	10	145	82	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	3100
PCD340/8A	250	716.67	43.0	1535.7	8	116	90	50HZ 3P 400V	Direct connection	PLC	Stationary	Flange DN80	5200

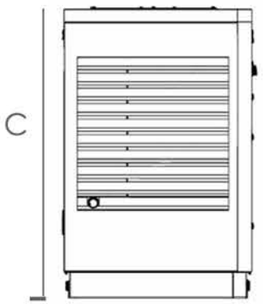
Technical Data of PCD Series (GB)

Model	Power	Capacity (FAD)			Maximum working pressure		Noise level	HZ/Phase/ Voltage	Mode of connection	Control mode	Structure type	Outlet Dimension	Weight
	kW	l/s	m³min	cfm	bar	psig	db(A)						kg
PCD100/10A	75	185.00	11.1	395.0	10	145	80	50HZ 3P 400V	Direct connection	PLC	Stationary	G2"	1650
PCD220/8A	160	483.33	29.0	1035.7	8	116	86	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	3200
PCD220/10A	160	445.00	26.7	953.6	10	145	86	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	3600
PCD280/8A	200	576.67	34.6	1235.7	8	116	86	50HZ 3P 400V	Direct connection	PLC	Stationary	Flange DN80	4430
PCD280/10A	200	500.00	30.0	1071.4	10	145	86	50HZ 3P 400V	Direct connection	PLC	Stationary	Flange DN80	4250
PCD340/10A	250	676.67	40.6	1450.0	10	145	90	50HZ 3P 400V	Direct connection	PLC	Stationary	Flange DN80	5300

Notes: 1. Voltages of 380V/415V/400V and 60HZ are available.
2. Measured in free field conditions in accordance with ISO 2151 and ISO 9614-2, tolerance±3dB(A);
3. Dimensions of the above models may vary according to the electrical motors (such as high pressure, protection level, etc.). Please consult for details;
4. Performance and parameters refer to ISO 1217 Annex C and Pneurop/Cagi PN2CPTC2;
5. Measuring conditions: a) Inlet air pressure: 1bar;
b) Inlet air temperature: 20 °C;
c) Humidity: 0%;
d) Inlet coolant temperature: 20 °C.

Model	Dimensions					
	A		B		C	
	mm	inch	mm	inch	mm	inch
PCK11-15	1000	39	700	28	1005	40
PCK20-30	1200	47	900	35	1050	41
PCK40-50	1500	59	1040	41	1300	51
PCK60-75	1890	74	1430	56	1595	63
PCK100	1890	74	1430	56	1595	63
PCD75-100	2150	85	1540	61	1620	64
PCD180-220	2800	110	1670	66	1750	69
PCD280-420	4110	162	1987	78	2000	79
PCG100-120	2150	85	1540	61	1620	64
PCG150-220	2800	110	1670	66	1750	69
PCG280-420	4110	162	1987	78	2000	79





Technical Data of PCK Series (ASME)

Model	Power	Capacity (FAD)			Maximum working pressure		Noise level	HZ/Phase/ Voltage	Mode of connection	Control mode	Structure type	Outlet Dimension	Weight
	kW	l/s	m³/min	cfm	bar	psig	db(A)						kg
PCK11/8A-A	7.5	20.00	1.2	44.3	8	116	66	50HZ 3P 400V	Belt connection	PLC	Stationary	G3/4"	320
PCK11/10A-A	7.5	16.67	1.0	37.1	10	145	66	50HZ 3P 400V	Belt connection	PLC	Stationary	G3/4"	320
PCK15/8A-A	11	28.33	1.7	59.6	8	116	66	50HZ 3P 400V	Belt connection	PLC	Stationary	G3/4"	375
PCK15/10A-A	11	25.00	1.5	52.1	10	145	66	50HZ 3P 400V	Belt connection	PLC	Stationary	G3/4"	375
PCK20/8A-A	15	38.33	2.3	82.1	8	116	68	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	485
PCK20/10A-A	15	31.67	1.9	67.1	10	145	68	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	475
PCK25/8A-A	18.5	51.67	3.1	110.7	8	116	68	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	470
PCK25/10A-A	18.5	43.33	2.6	93.6	10	145	68	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	470
PCK30/8A-A	22	58.33	3.5	126.4	8	116	70	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	550
PCK30/10A-A	22	51.67	3.1	111.4	10	145	70	50HZ 3P 400V	Belt connection	PLC	Stationary	G1"	535
PCK40/8A-A	30	76.67	4.6	164.3	8	116	70	50HZ 3P 400V	Belt connection	PLC	Stationary	G1 1/4"	900
PCK40/10A-A	30	68.33	4.1	147.1	10	145	70	50HZ 3P 400V	Belt connection	PLC	Stationary	G1 1/4"	915
PCK50/8A-A	37	98.33	5.9	212.1	8	116	74	50HZ 3P 400V	Belt connection	PLC	Stationary	G1 1/4"	850
PCK50/10A-A	37	81.67	4.9	175.0	10	145	74	50HZ 3P 400V	Belt connection	PLC	Stationary	G1 1/4"	890
PCK60/8A-A	45	125.00	7.5	267.9	8	116	74	50HZ 3P 400V	Belt connection	PLC	Stationary	G2"	840
PCK60/10A-A	45	108.33	6.5	232.1	10	145	74	50HZ 3P 400V	Belt connection	PLC	Stationary	G2"	800
PCK75/8A-A	55	156.67	9.4	334.6	8	116	78	50HZ 3P 400V	Belt connection	PLC	Stationary	G2"	1300
PCK75/10A-A	55	144.33	8.6	307.1	10	145	78	50HZ 3P 400V	Belt connection	PLC	Stationary	G2"	1510

Model	Dimensions					
	A		B		C	
	mm	inch	mm	inch	mm	inch
PCK11-15	1000	39	700	28	1005	40
PCK20-30	1200	47	900	35	1050	41
PCK40-50	1500	59	1040	41	1300	51
PCK60-75	1890	74	1430	56	1595	63
PCK100	1890	74	1430	56	1595	63
PCD75-100	2150	85	1540	61	1620	64
PCD180-220	2800	110	1670	66	1750	69
PCD280-420	4110	162	1987	78	2000	79
PCD100-120	2150	85	1540	61	1620	64
PCD150-220	2800	110	1670	66	1750	69
PCD280-340	4110	162	1987	78	2000	79

Technical Data of PCD Series (ASME)

Model	Power	Capacity (FAD)			Maximum working pressure		Noise level	HZ/Phase/ Voltage	Mode of connection	Control mode	Structure type	Outlet Dimension	Weight
	kW	l/s	m³/min	cfm	bar	psig	db(A)						kg
PCD100/8A-A	75	205.00	12.3	440.4	8	116	80	50HZ 3P 400V	Direct connection	PLC	Stationary	G2"	1850
PCD120/8A-A	90	260.00	15.6	556.6	8	116	80	50HZ 3P 400V	Direct connection	PLC	Stationary	G2"	1865
PCD120/10A-A	90	193.33	11.6	415.4	10	145	80	50HZ 3P 400V	Direct connection	PLC	Stationary	G2"	1865
PCD150/8A-A	110	310.00	18.6	665.0	8	116	82	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	2890
PCD150/10A-A	110	258.33	15.5	553.6	10	145	82	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	2850
PCD180/8A-A	132	383.33	23.0	821.4	8	116	82	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	3250
PCD180/10A-A	132	356.67	21.4	764.3	10	145	82	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	3100
PCD340/8A-A	250	716.67	43.0	1535.7	8	116	90	50HZ 3P 400V	Direct connection	PLC	Stationary	Flange DN80	5200

Technical Data of PCD Series (ASME)

Model	Power	Capacity (FAD)			Maximum working pressure		Noise level	HZ/Phase/ Voltage	Mode of connection	Control mode	Structure type	Outlet Dimension	Weight
	kW	l/s	m³/min	cfm	bar	psig	db(A)						kg
PCD100/10A-A	75	185.00	11.1	395.0	10	145	80	50HZ 3P 400V	Direct connection	PLC	Stationary	G2"	1650
PCD220/8A-A	160	483.33	29.0	1035.7	8	116	86	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	3200
PCD220/10A-A	160	445.00	26.7	953.6	10	145	86	50HZ 3P 400V	Direct connection	PLC	Stationary	G2 1/2"	3600
PCD280/8A-A	200	576.67	34.6	1235.7	8	116	86	50HZ 3P 400V	Direct connection	PLC	Stationary	Flange DN80	4430
PCD280/10A-A	200	500.00	30.0	1071.4	10	145	86	50HZ 3P 400V	Direct connection	PLC	Stationary	Flange DN80	4250
PCD340/10A-A	250	676.67	40.6	1450.0	10	145	90	50HZ 3P 400V	Direct connection	PLC	Stationary	Flange DN80	5300

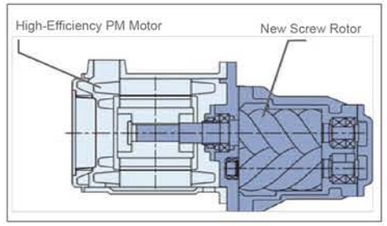
Notes: 1. Voltages of 380V/415V/400V and 60HZ are available.
2. Measured in free field conditions in accordance with ISO 2151 and ISO 9614-2, tolerance±3dB(A);
3. Dimensions of the above models may vary according to the electrical motors (such as high pressure, protection level, etc.). Please consult for details;
4. Performance and parameters refer to ISO 1217 Annex C and Pneurop/Cagi PN2CPTC2;
5. Measuring conditions: a) Inlet air pressure: 1bar;
b) Inlet air temperature: 20 °C;
c) Humidity: 0%;
d) Inlet coolant temperature: 20 °C.

POWERLINK L Series Air Compressors

VSD (variable speed driving) air compressors: alter the motor's rotate speed by changing power frequency, the airflow can therefore be regulated.

POWERLINK L Series Air Compressors

- With 12 years' permanent magnet technology, the motor and compressor air end utilize built-in gearless direct connection structure, which makes the machine more compact and ensures 100% transmission efficiency;
- Acquire 56 patents;
- **Small in size:** the size of the motor is about one third of that of normal frequency modulation motors, and the small size makes the machine easy to assembly and disassembly.
- **Stable performance:** permanent magnet synchronous motors adopt superior Nd-Fe-B magnets which would not lose magnetic force even under 120 ℃ and have more than 15 years' service life; Stator coil utilizes corona resistant enameled wires that are specialized for inverters use only; the wires are characterized by excellent insulation performance and long service life.



Energy-efficient Features

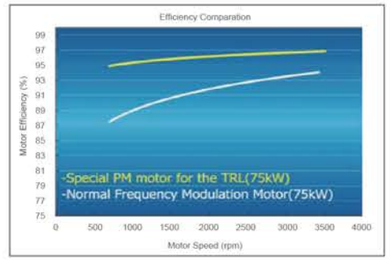
- Working conditions: permanent magnet motor ensures very high efficiency even if the speed is low and air consumption is small.
- Save energy consumption when unloading the system (variable frequency and energy-saving).
- Save the wasted energy consumption when controlling pressure bandwidth (variable frequency and energy-saving).
- Save energy consumption when starting the machine (variable frequency and energy-saving).

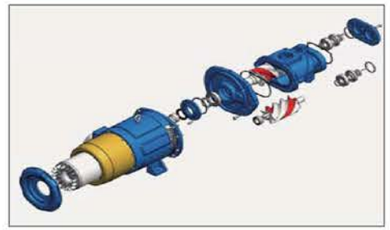
Technical Advantages

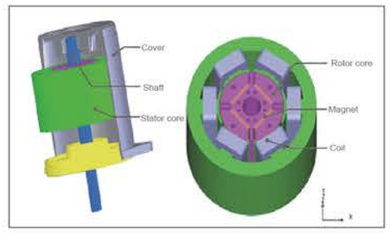
- High-end software design
- Simple structure greatly facilitates repair and maintenance
- Perfect combination between frequency converting control and permanent magnetic screw driving

Distinction between POWERLINK TRL Series VSD Screw Compressors and Power Frequency Screw Compressors

- More stable air pressure
- Shock-free when start-up
- Variable airflow control
- Better voltage adaptability for AC power supply
- Lower noise level







Technical Data of L Series (GB)

Model	Power	Rated Flow	Rated Pressure	HZ Phase Voltage	Connetion Type	Control System	Structure type
	kg	m³/min	bar				
PCF20/8A-A	15	2.2	8	50HZ 3P 380V	Permanent magnet motor and compressor integrated	Frequency conversion	Fixed type
PCF20/10A-A	15	1.8	10	50HZ 3P 380V			
PCF30/8A-A	22	3.6	8	50HZ 3P 380V			
PCF30/10A-A	22	3.0	10	50HZ 3P 380V			
PCF40/8A-A	30	5.0	8	50HZ 3P 380V			
PCF40/10A-A	30	4.4	10	50HZ 3P 380V			
PCF50/8A-A	37	6.4	8	50HZ 3P 380V			
PCF50/10A-A	37	5.4	10	50HZ 3P 380V			
PCF60/8-A	45	7.8	8	50HZ 3P 380V			
PCF60/10A-A	45	6.8	10	50HZ 3P 380V			
PCF75/8A-A	55	9.3	8	50HZ 3P 380V			
PCF75/10A-A	55	8.2	10	50HZ 3P 380V			
PCF100/8A-A	75	12.8	8	50HZ 3P 380V			
PCF100/10A-A	75	11.3	10	50HZ 3P 380V			
PCF120/8A-A	90	15.2	8	50HZ 3P 380V			
PCF120/10A-A	90	13.3	10	50HZ 3P 380V			
PCF150/8A-A	110	19.1	8	50HZ 3P 380V			
PCF150/10A-A	110	16.7	10	50HZ 3P 380V			
PCF180/8A-A	132	22.3	8	50HZ 3P 380V			
PCF180/10A-A	132	19.7	10	50HZ 3P 380V			
PCF340/8A-A	250	41.0	8	50HZ 3P 381V	Connection of bell jar and coupling		

Remarks:

1. The air displacement is caculated based on compressor suction condition (30℃).
2. The temperature of air outlet dew point is 30℃ and 0.69MPa.
3. The discharge pressure is caculated in front of the one-way valve.
4. Motor service factor is SF=1.15.
5. The above permanent magnet motors meet energy efficiency GB level 3 pressure vessel standard.
6. Meet JB/6430-2002, design and installation meet ISO 5388 (also GB 10892) standards, airflow rate test is in conformity with GB/T15487, test meets safety requirements of ISO 1217 (also GB/3853): JB 8524-1997 (also ASME B 19.1-1990).
7. Voltages of 380V/400V are available.

Technical Data of L Series (ASME)

Model	Power	Rated Flow	Rated Pressure	HZ Phase Voltage	Connetion Type	Control System	Structure type
	kg	m³/min	bar				
PCF20/8A	15	2.2	8	50HZ 3P 380V	Permanent magnet motor and compressor integrated	Frequency conversion	Fixed type
PCF20/10A	15	1.8	10	50HZ 3P 380V			
PCF30/8A	22	3.6	8	50HZ 3P 380V			
PCF30/10A	22	3.0	10	50HZ 3P 380V			
PCF40/8A	30	5.0	8	50HZ 3P 380V			
PCF40/10A	30	4.4	10	50HZ 3P 380V			
PCF50/8A	37	6.4	8	50HZ 3P 380V			
PCF50/10A	37	5.4	10	50HZ 3P 380V			
PCF60/8A	45	7.8	8	50HZ 3P 380V			
PCF60/10A	45	6.8	10	50HZ 3P 380V			
PCF75/8A	55	9.3	8	50HZ 3P 380V			
PCF75/10A	55	8.2	10	50HZ 3P 380V			
PCF100/8A	75	12.8	8	50HZ 3P 380V			
PCF100/10A	75	11.3	10	50HZ 3P 380V			
PCF120/8A	90	15.2	8	50HZ 3P 380V			
PCF120/10A	90	13.3	10	50HZ 3P 380V			
PCF150/8A	110	19.1	8	50HZ 3P 380V			
PCF150/10A	110	16.7	10	50HZ 3P 380V			
PCF180/8A	132	22.3	8	50HZ 3P 380V			
PCF180/10A	132	19.7	10	50HZ 3P 380V			
PCF340/8A	250	41.0	8	50HZ 3P 381V	Connection of bell jar and coupling		

Remarks:

1. The air displacement is caculated based on compressor suction condition (30℃).
2. The temperature of air outlet dew point is 30℃ and 0.69MPa.
3. The discharge pressure is caculated in front of the one-way valve.
4. Motor service factor is SF=1.15.
5. The above permanent magnet motors meet energy efficiency GB level 3 pressure vessel standard.
6. Meet JB/6430-2002, design and installation meet ISO 5388 (also GB 10892) standards, airflow rate test is in conformity with GB/T15487, test meets safety requirements of ISO 1217 (also GB/3853): JB 8524-1997 (also ASME B 19.1-1990).
7. Voltages of 380V/400V are available.

Aftertreatment Equipment

Air dryer

- Excellent design ensures high efficiency, low power consumption, long lifetime;
- Real time operation parameters display;
- Easy operation and cost-effective.

Precision filters

- Four class filter Q, P, S, C, meet various filtration needs;
- High filtration precision, easy maintenance and change;
- Long service life.

Air receiver

- Standard pressure vessel for safe use;
- Multiple models of volume and pressure;
- Quality product with cost-effective.

Air Dryer Technical Data

Freeze Dryer Model	min/Air handling Capacity	Bar/Pressure	Voltage	Air nozzle caliber	Net Weight	Dimension
					kg	mm
AD07L	0.65	≤10bar	1Phase/220V/50HZ	G½"	55	750×430×850
AD07M	0.65	10～13bar	1Phase/220V/50HZ	G½"	55	750×430×850
AD12L	1.2	≤10bar	1Phase/220V/50HZ	G1"	80	780×450×850
AD12M	1.2	10～13bar	1Phase/220V/50HZ	G1"	80	780×450×850
AD25L	2.5	≤10bar	1Phase/220V/50HZ	G1"	140	800×500×950
AD25M	2.5	10～13bar	1Phase/220V/50HZ	G1"	140	800×500×950
AD35L	3.6	≤10bar	1Phase/220V/50HZ	G1"	160	950×500×1090
AD35M	3.6	10～13bar	1Phase/220V/50HZ	G1"	160	950×500×1090
AD50L	5	≤10bar	1Phase/220V/50HZ	G1½"	180	1170×540×1000
AD50M	5	10～13bar	1Phase/220V/50HZ	G1½"	180	1170×540×1000
AD70L	6.8	≤10bar	1Phase/220V/50HZ	G1½"	210	1350×520×1103
AD70M	6.8	10～13bar	1Phase/220V/50HZ	G1½"	210	1350×520×1103
AD85L	8.5	≤10bar	1Phase/220V/50HZ	G2"	280	1150×670×1328
AD85M	8.5	10～13bar	1Phase/220V/50HZ	G2"	280	1150×670×1328
AD110L	10.9	≤10bar	3Phase/3800V/50HZ	G2"	270	1330×670×1328
AD110M	10.9	10～13bar	3Phase/3800V/50HZ	G2"	270	1330×670×1328
AD130L	12.8	≤10bar	3Phase/3800V/50HZ	G2"	330	1330×670×1328
AD130M	12.8	10～13bar	3Phase/3800V/50HZ	G2"	330	1330×670×1328
AD160L	16	≤10bar	3Phase/3800V/50HZ	DN65	350	1380×1170×1419
AD160M	16	10～13bar	3Phase/3800V/50HZ	DN65	350	1380×1170×1419
AD220L	22	≤10bar	3Phase/3800V/50HZ	DN65	480	1500×1150×1463
AD220M	22	10～13bar	3Phase/3800V/50HZ	DN65	480	1500×1150×1463
AD270L	26.8	≤10bar	3Phase/3800V/50HZ	DN80	620	1850×1250×1433
AD320L	32	≤10bar	3Phase/3800V/50HZ	DN80	720	1500×1300×1576
AD430L	43.5	≤10bar	3Phase/3800V/50HZ	DN100	870	1920×1320×1605

Remarks:

1. Also adapt to other voltage or frequency.

Precision filters specification (Class Q)

Filter Model	min/Air handling Capacity	Bar/Pressure	Filter precision	Residual oil	Air nozzle caliber	Net Weight	Dimension	Filter Q'ty
						kg	mm	
AF07LQ	0.65	≤10bar	3μm	5ppm	G1″	2.8	295×105×325	1
AF07MQ	0.65	10～13bar	3μm	5ppm	G1″	2.8	295×105×325	1
AF12LQ	1.2	≤10bar	3μm	5ppm	G1″	2.8	295×105×325	1
AF12MQ	1.2	10～13bar	3μm	5ppm	G1″	2.8	295×105×325	1
AF25LQ	2.5	≤10bar	3μm	5ppm	G1″	3.8	295×105×325	1
AF25MQ	2.5	10～13bar	3μm	5ppm	G1″	3.8	295×105×325	1
AF35LQ	3.6	≤10bar	3μm	5ppm	G1″	4.8	295×105×325	1
AF35MQ	3.6	10～13bar	3μm	5ppm	G1″	4.8	295×105×325	1
AF50LQ	5	≤10bar	3μm	5ppm	G1½″	7	590×137×635	1
AF50MQ	5	10～13bar	3μm	5ppm	G1½″	7	590×137×635	1
AF70LQ	6.8	≤10bar	3μm	5ppm	G1½″	7	590×137×635	1
AF70MQ	6.8	10～13bar	3μm	5ppm	G1½″	7	590×137×635	1
AF85LQ	8.5	≤10bar	3μm	5ppm	G2″	12	590×137×635	1
AF85MQ	8.5	10～13bar	3μm	5ppm	G2″	12	590×137×635	1
AF110LQ	10.9	≤10bar	3μm	5ppm	G2″	12	590×137×635	1
AF110MQ	10.9	10～13bar	3μm	5ppm	G2″	12	590×137×635	1
AF130LQ	12.8	≤10bar	3μm	5ppm	G2″	12	590×137×635	1
AF130MQ	12.8	10～13bar	3μm	5ppm	G2″	12	590×137×635	1
AF160LQ	16	≤10bar	3μm	5ppm	DN65	45	φ159×399×950	1
AF160MQ	16	10～13bar	3μm	5ppm	DN65	45	φ159×399×950	1
AF220LQ	22	≤10bar	3μm	5ppm	DN65	52	φ159×399×1100	1
AF220MQ	22	10～13bar	3μm	5ppm	DN65	52	φ159×399×1100	1
AF270LQ	26.8	≤10bar	3μm	5ppm	DN80	56	φ159×399×1250	1
AF320LQ	32	≤10bar	3μm	5ppm	DN80	78	φ219×459×985	2
AF430LQ	43.5	≤10bar	3μm	5ppm	DN80	82	φ219×459×1130	2

Remarks:

1. Special specifications accept customization. Other flow filter inquiries welcomed.
2. The specification and detail are subject to change without prior notice.

Precision filters specification (Class P)

Filter Model	min/Air handling Capacity	Bar/Pressure	Filter precision	Residual oil	Air nozzle caliber	Net Weight	Dimension	Filter Q'ty
						kg	mm	
AF07LP	0.65	≤10bar	1μm	1ppm	G1″	2.8	295×105×325	1
AF07MP	0.65	10～13bar	1μm	1ppm	G1″	2.8	295×105×325	1
AF12LP	1.2	≤10bar	1μm	1ppm	G1″	2.8	295×105×325	1
AF12MP	1.2	10～13bar	1μm	1ppm	G1″	2.8	295×105×325	1
AF25LP	2.5	≤10bar	1μm	1ppm	G1″	3.8	295×105×325	1
AF25MP	2.5	10～13bar	1μm	1ppm	G1″	3.8	295×105×325	1
AF35LP	3.6	≤10bar	1μm	1ppm	G1″	4.8	295×105×325	1
AF35MP	3.6	10～13bar	1μm	1ppm	G1″	4.8	295×105×325	1
AF50LP	5	≤10bar	1μm	1ppm	G1½″	7	590×137×635	1
AF50MP	5	10～13bar	1μm	1ppm	G1½″	7	590×137×635	1
AF70LP	6.8	≤10bar	1μm	1ppm	G1½″	7	590×137×635	1
AF70MP	6.8	10～13bar	1μm	1ppm	G1½″	7	590×137×635	1
AF85LP	8.5	≤10bar	1μm	1ppm	G2″	12	590×137×635	1
AF85MP	8.5	10～13bar	1μm	1ppm	G2″	12	590×137×635	1
AF110LP	10.9	≤10bar	1μm	1ppm	G2″	12	590×137×635	1
AF110MP	10.9	10～13bar	1μm	1ppm	G2″	12	590×137×635	1
AF130LP	12.8	≤10bar	1μm	1ppm	G2″	12	590×137×635	1
AF130MP	12.8	10～13bar	1μm	1ppm	G2″	12	590×137×635	1
AF160LP	16	≤10bar	1μm	1ppm	DN65	45	φ159×399×950	1
AF160MP	16	10～13bar	1μm	1ppm	DN65	45	φ159×399×950	1
AF220LP	22	≤10bar	1μm	1ppm	DN65	52	φ159×399×1100	1
AF220MP	22	10～13bar	1μm	1ppm	DN65	52	φ159×399×1100	1
AF270LP	26.8	≤10bar	1μm	1ppm	DN80	56	φ159×399×1250	1
AF320LP	32	≤10bar	1μm	1ppm	DN80	78	φ219×459×985	2
AF430LP	43.5	≤10bar	1μm	1ppm	DN80	82	φ219×459×1130	2

Remarks:

1. Special specifications accept customization. Other flow filter inquiries welcomed.
2. The specification and detail are subject to change without prior notice.

Precision filters specification (Class S)

Filter Model	min/Air handling Capacity	Bar/Pressure	Filter precision	Residual oil	Air nozzle caliber	Net Weight	Dimension	Filter Q'ty
						kg	mm	
AF07LS	0.65	≤10bar	0.01μm	0.01ppm	G1″	2.8	295×105×325	1
AF07MS	0.65	10～13bar	0.01μm	0.01ppm	G1″	2.8	295×105×325	1
AF12LS	1.2	≤10bar	0.01μm	0.01ppm	G1″	2.8	295×105×325	1
AF12MS	1.2	10～13bar	0.01μm	0.01ppm	G1″	2.8	295×105×325	1
AF25LS	2.5	≤10bar	0.01μm	0.01ppm	G1″	3.8	295×105×325	1
AF25MS	2.5	10～13bar	0.01μm	0.01ppm	G1″	3.8	295×105×325	1
AF35LS	3.6	≤10bar	0.01μm	0.01ppm	G1″	4.8	295×105×325	1
AF35MS	3.6	10～13bar	0.01μm	0.01ppm	G1″	4.8	295×105×325	1
AF50LS	5	≤10bar	0.01μm	0.01ppm	G1½″	7	590×137×635	1
AF50MS	5	10～13bar	0.01μm	0.01ppm	G1½″	7	590×137×635	1
AF70LS	6.8	≤10bar	0.01μm	0.01ppm	G1½″	7	590×137×635	1
AF70MS	6.8	10～13bar	0.01μm	0.01ppm	G1½″	7	590×137×635	1
AF85LS	8.5	≤10bar	0.01μm	0.01ppm	G2″	12	590×137×635	1
AF85MS	8.5	10～13bar	0.01μm	0.01ppm	G2″	12	590×137×635	1
AF110LS	10.9	≤10bar	0.01μm	0.01ppm	G2″	12	590×137×635	1
AF110MS	10.9	10～13bar	0.01μm	0.01ppm	G2″	12	590×137×635	1
AF130LS	12.8	≤10bar	0.01μm	0.01ppm	G2″	12	590×137×635	1
AF130MS	12.8	10～13bar	0.01μm	0.01ppm	G2″	12	590×137×635	1
AF160LS	16	≤10bar	0.01μm	0.01ppm	DN65	45	φ159×399×950	1
AF160MS	16	10～13bar	0.01μm	0.01ppm	DN65	45	φ159×399×950	1
AF220LS	22	≤10bar	0.01μm	0.01ppm	DN65	52	φ159×399×1100	1
AF220MS	22	10～13bar	0.01μm	0.01ppm	DN65	52	φ159×399×1100	1
AF270LS	26.8	≤10bar	0.01μm	0.01ppm	DN80	56	φ159×399×1250	1
AF320LS	32	≤10bar	0.01μm	0.01ppm	DN80	78	φ219×459×985	2
AF430LS	43.5	≤10bar	0.01μm	0.01ppm	DN80	82	φ219×459×1130	2

Remarks:

1. Special specifications accept customization. Other flow filter inquiries welcomed.
2. The specification and detail are subject to change without prior notice.

Precision filters specification (Class C)

Filter Model	min/Air handling Capacity	Bar/Pressure	Filter precision	Residual oil	Air nozzle caliber	Net Weight	Dimension	Filter Q'ty
						kg	mm	
AF07LC	0.65	≤10bar	0.01μm	0.003ppm	G1″	2.8	295×105×325	1
AF07MC	0.65	10～13bar	0.01μm	0.003ppm	G1″	2.8	295×105×325	1
AF12LC	1.2	≤10bar	0.01μm	0.003ppm	G1″	2.8	295×105×325	1
AF12MC	1.2	10～13bar	0.01μm	0.003ppm	G1″	2.8	295×105×325	1
AF25LC	2.5	≤10bar	0.01μm	0.003ppm	G1″	3.8	295×105×325	1
AF25MC	2.5	10～13bar	0.01μm	0.003ppm	G1″	3.8	295×105×325	1
AF35LC	3.6	≤10bar	0.01μm	0.003ppm	G1″	4.8	295×105×325	1
AF35MC	3.6	10～13bar	0.01μm	0.003ppm	G1″	4.8	295×105×325	1
AF50LC	5	≤10bar	0.01μm	0.003ppm	G1½″	7	590×137×635	1
AF50MC	5	10～13bar	0.01μm	0.003ppm	G1½″	7	590×137×635	1
AF70LC	6.8	≤10bar	0.01μm	0.003ppm	G1½″	7	590×137×635	1
AF70MC	6.8	10～13bar	0.01μm	0.003ppm	G1½″	7	590×137×635	1
AF85LC	8.5	≤10bar	0.01μm	0.003ppm	G2″	12	590×137×635	1
AF85MC	8.5	10～13bar	0.01μm	0.003ppm	G2″	12	590×137×635	1
AF110LC	10.9	≤10bar	0.01μm	0.003ppm	G2″	12	590×137×635	1
AF110MC	10.9	10～13bar	0.01μm	0.003ppm	G2″	12	590×137×635	1
AF130LC	12.8	≤10bar	0.01μm	0.003ppm	G2″	12	590×137×635	1
AF130MC	12.8	10～13bar	0.01μm	0.003ppm	G2″	12	590×137×635	1
AF160LC	16	≤10bar	0.01μm	0.003ppm	DN65	45	φ159×399×950	1
AF160MC	16	10～13bar	0.01μm	0.003ppm	DN65	45	φ159×399×950	1
AF220LC	22	≤10bar	0.01μm	0.003ppm	DN65	52	φ159×399×1100	1
AF220MC	22	10～13bar	0.01μm	0.003ppm	DN65	52	φ159×399×1100	1
AF270LC	26.8	≤10bar	0.01μm	0.003ppm	DN80	56	φ159×399×1250	1
AF320LC	32	≤10bar	0.01μm	0.003ppm	DN80	78	φ219×459×985	2
AF430LC	43.5	≤10bar	0.01μm	0.003ppm	DN80	82	φ219×459×1130	2

Remarks:

1. Special specifications accept customization. Other flow filter inquiries welcomed.
2. The specification and detail are subject to change without prior notice.

Air Receiver Technical Data

Model	Standard	Bar/Pressure	Overall height	Internal diameter φ	Air nozzle caliber	Net Weight
			mm	mm		kg
AT06L(GB)	0.6m³/1.0Mpa	≤10bar	1300	700	DN65	510
AT06M(GB)	0.6m³/1.3Mpa	10～13bar	1300	700	DN65	510
AT10L(GB)	1.0m³/1.0Mpa	≤10bar	1800	800	DN65	657
AT10M(GB)	1.0m³/1.3Mpa	10～13bar	1800	800	DN65	657
AT20L(GB)	2.0m³/1.0Mpa	≤10bar	1800	1100	DN80	868
AT20M(GB)	2.0m³/1.3Mpa	10～13bar	1800	1100	DN80	868
AT30L(GB)	3.0m³/1.0Mpa	≤10bar	1800	1300	DN80	966
AT30M(GB)	3.0m³/1.3Mpa	10～13bar	1800	1300	DN80	966
AT40L(GB)	4.0m³/1.0Mpa	≤10bar	2100	1400	DN100	1121
AT40M(GB)	4.0m³/1.3Mpa	10～13bar	2100	1400	DN100	1121
AT50L(GB)	5.0m³/1.0Mpa	≤10bar	2300	1500	DN100	1565
AT50M(GB)	5.0m³/1.3Mpa	10～13bar	2300	1500	DN100	1565
AT06L(ASME)	C 0.6/1.0	≤10bar	1300	700	DN65	510
AT06M(ASME)	C 0.6/1.3	10～13bar	1300	700	DN65	510
AT10L(ASME)	C 1.0/1.0	≤10bar	1800	800	DN65	657
AT10M(ASME)	C 1.0/1.3	10～13bar	1800	800	DN65	657
AT20L(ASME)	C 2.0/1.0	≤10bar	1800	1100	DN80	868
AT20M(ASME)	C 2.0/1.3	10～13bar	1800	1100	DN80	868
AT30L(ASME)	C 3.0/1.0	≤10bar	1800	1300	DN80	966
AT30M(ASME)	C 3.0/1.3	10～13bar	1800	1300	DN80	966
AT40L(ASME)	C 4.0/1.0	≤10bar	2100	1400	DN100	1121
AT40M(ASME)	C 4.0/1.3	10～13bar	2100	1400	DN100	1121
AT50L(ASME)	C 5.0/1.0	≤10bar	2300	1500	DN100	1565
AT50M(ASME)	C 5.0/1.3	10～13bar	2300	1500	DN100	1565

Remarks:

1. The specification and detail are subject to change without prior notice.