



SCREW AIR COMPRESSOR PRODUCT PARAMETERS & TECHNICAL PROPOSAL

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1. COMPANY PROFILE



Airsys was founded in Shenzhen city of China in 2003 and has since expanded to serve the global market. We have been committed to the air compressor industry for more than 20 years. We have about 450 employees and over 8000 customers in more than 40 countries so far.

Focusing on technology and service, Airsys empowers our customers to grow and drive the industry forward. We optimize productivity, reduce cost, and breakthrough innovation by developing and launching market-leading new products and solutions. This is how we create a better future.

Airsys's main product line focuses on the following key areas:

- Screw air compressor(Vairable speed/Fixed speed/All-in-one/ Diesel)
- Air dryer
- Air tank

All our products support customization such as Power/Voltage/Pressure and components

Our certifactes:



1.1 Production line display



AIRSYS WILL JOIN YOU IN THE ERA OF
INDUSTRY 4.0



- Production and assembly site -



- Fully automatic welding line -



- Airend display -



- 400HP spraying line -



- Automatic loading and unloading
CNC machine tools -



- Automatic manipulator welder -

1.2 Project cases



airsys

PROJECT
CASES

Professional provider of
industrial gas solution

OUR CUSTOMZERS ARE LOCATED IN OVER 100
COUNTRIES AROUND THE WORLD



2. PRODUCT DISPLAY



| Permanent magnet
Variable speed type



| Fixed speed type



| All-in-one type



| Handbell air end
High-end type

2.1 Fixed speed type parameters & details



Fixed speed type basic parameters

Model	Power	Capacity	Pressure	Dimension(L*W*H)	Net Weight	Nosie Level	Outlet size
PRFF7.5	7.5kw/10HP	1.2m³/min	0.7Mpa/7Bar	940*650*860mm	220kg	≤62dB	R1/2"
		1.1m³/min	0.8Mpa/8Bar				
		0.9m³/min	1.0Mpa/10Bar				
		0.8m³/min	1.3Mpa/13Bar				
PRFF11	11kw/15HP	1.8m³/min	0.7Mpa/7Bar	1080*750*1000mm	320kg	≤64dB	R3/4"
		1.7m³/min	0.8Mpa/8Bar				
		1.5m³/min	1.0Mpa/10Bar				
		1.4m³/min	1.3Mpa/13Bar				
PRFF15	15kw/20HP	2.5m³/min	0.7Mpa/7Bar	1080*750*1000mm	340kg	≤64dB	R1"
		2.3m³/min	0.8Mpa/8Bar				
		2.2m³/min	1.0Mpa/10Bar				
		2.0m³/min	1.3Mpa/13Bar				
PRFF18	18kw/25HP	1.9m³/min	0.7Mpa/7Bar	1380*850*1160mm	460kg	≤66dB	R1"
		1.8m³/min	0.8Mpa/8Bar				
		1.7m³/min	1.0Mpa/10Bar				
		1.6m³/min	1.3Mpa/13Bar				
PRFF22	22kw/30HP	3.8m³/min	0.7Mpa/7Bar	1380*850*1160mm	470kg	≤68dB	R1-1/2"
		3.6m³/min	0.8Mpa/8Bar				
		3.2m³/min	1.0Mpa/10Bar				
		2.9m³/min	1.3Mpa/13Bar				
PRFF30	30kw/40HP	5.2m³/min	0.7Mpa/7Bar	1380*850*1160mm	480kg	≤68dB	R2"
		5.0m³/min	0.8Mpa/8Bar				
		4.3m³/min	1.0Mpa/10Bar				
		3.7m³/min	1.3Mpa/13Bar				
PRFF37	37kw/50HP	6.8m³/min	0.7Mpa/7Bar	1500*1000*1320mm	760kg	≤70dB	R2"
		6.2m³/min	0.8Mpa/8Bar				
		5.6m³/min	1.0Mpa/10Bar				
		4.8m³/min	1.3Mpa/13Bar				
PRFF45	45kw/60HP	7.8m³/min	0.7Mpa/7Bar	1500*1000*1320mm	780kg	≤70dB	R2"
		7.3m³/min	0.8Mpa/8Bar				
		7.0m³/min	1.0Mpa/10Bar				
		5.8m³/min	1.3Mpa/13Bar				
PRFF55	55kw/75HP	9.6m³/min	0.7Mpa/7Bar	1900*1250*1600mm	1230kg	≤72dB	R2"
		9.3m³/min	0.8Mpa/8Bar				
		8.5m³/min	1.0Mpa/10Bar				
		6.7m³/min	1.3Mpa/13Bar				
PRFF75	75kw/100HP	12.1m³/min	0.7Mpa/7Bar	2000*1250*1670mm	1340kg	≤74dB	R2-1/2"
		12.0m³/min	0.8Mpa/8Bar				
		11.8m³/min	1.0Mpa/10Bar				
		9.2m³/min	1.3Mpa/13Bar				
PRFF90	90kw/120HP	15.1m³/min	0.7Mpa/7Bar	2000*1250*1670mm	1420kg	≤76dB	R2-1/2"
		15.0m³/min	0.8Mpa/8Bar				
		11.9m³/min	1.0Mpa/10Bar				
		11.6m³/min	1.3Mpa/13Bar				
PRFF110	110kw/150HP	19.0m³/min	0.7Mpa/7Bar	2580*2500*1530mm	2100kg	≤78dB	R2-1/2"
		17.9m³/min	0.8Mpa/8Bar				
		14.8m³/min	1.0Mpa/10Bar				
		14.5m³/min	1.3Mpa/13Bar				

2.2 Variable speed type parameters & details



Variable speed type basic parameters

Model	Power	Capacity	Pressure	Dimension(L*W*H)	Net Weight	Noise Level	Outlet size
PRVF7.5	7.5kw/10HP	1.2m³/min	0.7Mpa/7Bar	750*650*900mm	180kg	≤62dB	R1/2"
		1.1m³/min	0.8Mpa/8Bar				
		0.9m³/min	1.0Mpa/10Bar				
		0.8m³/min	1.3Mpa/13Bar				
PRVF11	11kw/15HP	1.8m³/min	0.7Mpa/7Bar	960*750*1190mm	320kg	≤64dB	R3/4"
		1.7m³/min	0.8Mpa/8Bar				
		1.5m³/min	1.0Mpa/10Bar				
		1.4m³/min	1.3Mpa/13Bar				
PRVF15	15kw/20HP	2.5m³/min	0.7Mpa/7Bar	960*750*1190mm	380kg	≤64dB	R3/4"
		2.3m³/min	0.8Mpa/8Bar				
		2.2m³/min	1.0Mpa/10Bar				
		2.0m³/min	1.3Mpa/13Bar				
PRVF18	18kw/25HP	1.9m³/min	0.7Mpa/7Bar	1060*850*1390mm	480kg	≤66dB	R1"
		1.8m³/min	0.8Mpa/8Bar				
		1.7m³/min	1.0Mpa/10Bar				
		1.6m³/min	1.3Mpa/13Bar				
PRVF22	22kw/30HP	3.8m³/min	0.7Mpa/7Bar	1060*850*1390mm	500kg	≤68dB	R1"
		3.6m³/min	0.8Mpa/8Bar				
		3.2m³/min	1.0Mpa/10Bar				
		2.9m³/min	1.3Mpa/13Bar				
PRVF30	30kw/40HP	5.2m³/min	0.7Mpa/7Bar	1060*850*1390mm	520kg	≤68dB	R1-1/2"
		5.0m³/min	0.8Mpa/8Bar				
		4.3m³/min	1.0Mpa/10Bar				
		3.7m³/min	1.3Mpa/13Bar				
PRVF37	37kw/50HP	6.8m³/min	0.7Mpa/7Bar	1200*1000*1430mm	800kg	≤70dB	R1-1/2"
		6.2m³/min	0.8Mpa/8Bar				
		5.6m³/min	1.0Mpa/10Bar				
		4.8m³/min	1.3Mpa/13Bar				
PRVF45	45kw/60HP	7.8m³/min	0.7Mpa/7Bar	1200*1000*1430mm	820kg	≤70dB	R2"
		7.3m³/min	0.8Mpa/8Bar				
		7.0m³/min	1.0Mpa/10Bar				
		5.8m³/min	1.3Mpa/13Bar				
PRVF55	55kw/75HP	9.6m³/min	0.7Mpa/7Bar	1700*1250*1600mm	1360kg	≤72dB	R2"
		9.3m³/min	0.8Mpa/8Bar				
		8.5m³/min	1.0Mpa/10Bar				
		6.7m³/min	1.3Mpa/13Bar				
PRVF75	75kw/100HP	12.1m³/min	0.7Mpa/7Bar	1800*1290*1670mm	1520kg	≤74dB	R2-1/2"
		12.0m³/min	0.8Mpa/8Bar				
		11.8m³/min	1.0Mpa/10Bar				
		9.2m³/min	1.3Mpa/13Bar				
PRVF90	90kw/120HP	15.1m³/min	0.7Mpa/7Bar	1800*1290*1670mm	1680kg	≤76dB	R2-1/2"
		15.0m³/min	0.8Mpa/8Bar				
		11.9m³/min	1.0Mpa/10Bar				
		11.6m³/min	1.3Mpa/13Bar				
PRVF110	110kw/150HP	19.0m³/min	0.7Mpa/7Bar	2500*1470*1840mm	1950kg	≤78dB	R2-1/2"
		17.9m³/min	0.8Mpa/8Bar				
		14.8m³/min	1.0Mpa/10Bar				
		14.5m³/min	1.3Mpa/13Bar				

General parameters of variable speed type

Motor protection class	IP23、IP54
Compression stage	Single
Cooling method	Air cooling
Start method	Variable frequency start
Drive mode	Direct drive
Ambient temperature	-5℃ ~ +45℃
Air temperature	≤55℃

Main components list

Component	Brand logo	Brand origin
Air end	 鲍斯股份 BSC BAOSI CORPORATION	China
Electric motor		China
Inverter		China
Electric controll system		France
Bearing	 dhk [®] 达克	China
Air intake valve	 红星 REDSTAR	China
Safety valve	 红星 REDSTAR	China
PLC controller		China

2.3 All-in-one type parameters & details



All-in-one type basic parameters

(FF=Fixed frequency / VF=Variable frequency)

Model	Power	Pressure	Capacity	Tank volume	Dimension (L*W*H)	Weight
PRAFF5.5	5.5kw/7.5HP	8bar/0.8mpa	0.5m³/min	160L	1450*700*1334.5mm	310kg
PRAFF7.5	7.5kw/10HP		1.1m³/min	160L		340kg
PRAFF11	11kw/15HP		1.6m³/min	230L	1450*750*1457mm	450kg
PRAFF15	15kw/20HP		2.3m³/min	270L		460kg
PRAFF22	22kw/30HP		3.6m³/min	400L/500L	1750*850*2000mm	520kg
PRAFF37	37kw/50HP		6m³/min	400L/500L	1950*1000*2400mm	640kg
PRAVF5.5	5.5kw/7.5HP		0.5m³/min	160L	1450*700*1334.5mm	310kg
PRAVF7.5	7.5kw/10HP		1.1m³/min	160L		340kg
PRAVF11	11kw/15HP		1.6m³/min	230L	1450*750*1457mm	450kg
PRAVF15	15kw/20HP		2.3m³/min	230L		460kg
PRAVF15	15kw/20HP	1.2m³/min				
PRAVF22	22kw/30HP	16bar/1.6mpa	3.6m³/min	400L/500L	1750*850*2000mm	540kg
PRAFF37	37kw/50HP	8bar/0.8mpa	6m³/min	400L/500L	1950*1000*2400mm	640kg

General parameters of variable speed type

Motor protection class	IP23、IP54
Compression stage	Single
Cooling method	Air cooling
Start method	Direct start/Y- Δ start/VSD start
Drive mode	Direct drive
Ambient temperature	-5℃ ~ +45℃
Air temperature	$\leq 55^{\circ}\text{C}$

Main components list

Component	Brand logo	Brand origin
Air end		China
Electric motor		China
Inverter		China
Electric controll system		France
Bearing		China
Air intake valve		China
Safety valve		China
PLC controller		China

2.4 High-end type parameters & details



High level type basic parameters (FF=Fixed frequency / VF=Variable frequency)

Model	Power	Specification	Capacity	Weight	Dimension(L*W*H)	Noise level
PRHVF7.5	7.5kw/10HP	Variable speed	1.1m³/min	120kg	780*750*940mm	≤62dB
PRHVF11	11kw/15HP	Variable speed	1.7m³/min	220kg	1080*750*1000mm	≤64dB
PRHVF15	15kw/20HP	Variable speed	2.3m³/min	220kg	1080*750*1000mm	≤64dB
PRHVF22	22kw/30HP	Variable speed	3.6m³/min	300kg	1120*880*1200mm	≤68dB
PRHVF37	37kw/50HP	Variable speed	6.2m³/min	460kg	1250*1000*1390mm	≤68dB
PRHVF45	45kw/60HP	Variable speed	7.3m³/min	500kg	1250*1000*1390mm	≤70dB
PRHVF55	55kw/75HP	Variable speed	9.6m³/min	950kg	1840*1250*1660mm	≤72dB
PRHVF75	75kw/100HP	Variable speed	12.6m³/min	1000kg	1840*1250*1660mm	≤74dB
PRHVF90	90kw/120HP	Variable speed	15m³/min	1050kg	1840*1250*1660mm	≤76dB
PRHVF110	110kw/150HP	Variable speed	19.8m³/min	1300kg	2300*1470*1840mm	≤78dB
PRHVF132	132kw/180HP	Variable speed	23.2m³/min	1370kg	2300*1470*1840mm	≤78dB
PRHVF185	185kw/250HP	Variable speed	30.4m³/min	2900kg	3600*2280*2100mm	≤80dB
PRHVF55-2	55kw/75HP	Variable speed Two stage	12.5m³/min	1500kg	2180*1360*1680mm	≤72dB
PRHVF75-2	75kw/100HP	Variable speed Two stage	16.5m³/min	1525kg	2180*1360*1680mm	≤74dB
PRHVF110-2	110kw/150HP	Variable speed Two stage	23.5m³/min	2200kg	2300*1470*1840mm	≤78dB
PRHFF7.5	7.5kw/10HP	Fixed speed	1.1m³/min	163kg	780*750*940mm	≤62dB
PRHFF11	11kw/15HP	Fixed speed	1.7m³/min	280kg	1080*750*1000mm	≤64dB
PRHFF15	15kw/20HP	Fixed speed	2.3m³/min	280kg	1080*750*1000mm	≤64dB
PRHFF22	22kw/30HP	Fixed speed	3.6m³/min	385kg	1120*880*1200mm	≤68dB
PRHFF30	30kw/40HP	Fixed speed	5m³/min	505kg	1540*870*1000mm	≤68dB
PRHFF37	37kw/50HP	Fixed speed	6.2m³/min	574kg	1250*1000*1390mm	≤68dB
PRHFF45	45kw/60HP	Fixed speed	7.3m³/min	620kg	1250*1000*1390mm	≤70dB
PRHFF55	55kw/75HP	Fixed speed	9.6m³/min	1100kg	1840*1250*1660mm	≤72dB
PRHFF75	75kw/100HP	Fixed speed	12.6m³/min	1150kg	1840*1250*1660mm	≤74dB
PRHFF90	90kw/120HP	Fixed speed	15m³/min	1200kg	1840*1250*1660mm	≤76dB
PRHFF110	110kw/150HP	Fixed speed	19.8m³/min	1600kg	2300*1470*1840mm	≤78dB
PRHFF132	132kw/180HP	Fixed speed	23.2m³/min	1600kg	2300*1470*1840mm	≤78dB

General parameters of variable speed type

Motor protection class	IP65
Compression stage	Single
Cooling method	Oil cooling
Start method	Direct start/Y- Δ start/VSD start
Drive mode	Direct drive
Ambient temperature	-5°C ~ +50°C
Air temperature	$\leq 50^{\circ}\text{C}$

Main components list

Component	Brand logo	Brand origin
Air end		China
Electric motor		China
Inverter		China
Electric controll system		France
Bearing		China
Air intake valve		China
Safety valve		China
PLC controller		China

2.5 Diesel type parameters & details

Construction Screw Compressor (Series)

SCY Series Portable Diesel Screw Air Compressors



SCY Series Portable Diesel Screw Air Compressors



Diesel Stationary Screw Air Compressor special for deep well drilling



SDY Series portable Electric Screw Air Compressors



SDY Series portable Electric Screw Air Compressors



SCF Series Power Frequency Electric Stationary Air compressors



Product Upgrade Features

Full series product optimized for stronger frame and better towing protection and safety; stronger roof loading capabilities to meet customer load carry needs with rubber protection strips.



Diesel portable compressors all with international brand name controller with optimized interface for only 3 switches to operate, power, on and off. Automatic preheating, loading and unloading process, pressure control and engine fuel injection, eliminating high pressure stop and oil outburst. Controller with water and moisture proof.



All pressure pipes are connected with steel tubes, it has excellent sealing and protect rubber from prevent aging, never wear and has attractive appearance.



Easy access to all maintenance parts with document and tool box for better management of tools, records and safer for machine operation.



With Patent designed safety air filter unit and stainless steel air inlet pipes for guaranteed dust filter ability and better protection against dirty air due to rubber hose damage.



Electrical portable machine with breaker and power switch easy to access and protected for convenience and safety.



All new designed cooler with independent modular unit and secured by structural component with cushion pad without any pressure points, effectively eliminating cooler damage by shroud deformation; independent damaged unit replacement made easy without removing the cooler assembly.



New designed protected cooler for higher efficiency and better safety protection. Full body sound absorbent cotton and rear car silencer designed to make operate noise reduce 40% less than normal products.



Small Compact portable screw compressors

- This series primarily used with construction and mining required $\varnothing 80$ -110mm DTH drill, bolting rig, various hand held drill machines, drifters, blasting equipment and various air source requirement;
- Reliable and durable with optimized control system for drastic drop of energy consumption;
- All with EU3A compatible engines or IP55 motors.



Electrical Portable							
Model	Rated FAD	Rated Pressure	Motor Power	Air End	Motor Protection Class	Weight	Type
75SDY-8S	13.2 m³/min	8 bar	75 kW	Single Stage Compression	IP55	2,020 kg	4 wheel
75SDY-14.5	10 m³/min	14.5 bar	75 kW	Single Stage Compression	IP55	1,880 kg	2 wheel
75SDY-17	11 m³/min	17 bar	75 kW	Two Stage Compression	IP55	2,500 kg	4 wheel

Diesel Portable						
Model	Rated FAD	Rated Pressure	Engine	Air End	Weight	Type
40SCY-7	4.5 m³/min	7 bar	36.8 kW(Xichai)	Single Stage Compression	860 kg	2 wheel
40SCG-7	4.5 m³/min	7 bar	36.8 kW(Xichai)	Single Stage Compression	750 kg	SKID
40CKY-8	5 m³/min	8 bar	36.8 kW(Xichai)	Single Stage Compression	730 kg	4 wheel
110SCY-8	13 m³/min	8 bar	118 kW(Yuchai)	Single Stage Compression	2,300 kg	4 wheel
110SCY-10	12.5 m³/min	10 bar	118 kW(Yuchai)	Single Stage Compression	2,300 kg	4 wheel
110SCY-14.5	11 m³/min	14.5 bar	118 kW	Single Stage Compression	(2,280 kg) (2,200 kg)	4/2 wheel



Medium Portable Screw Compressors

- This series primarily used with construction and mining required $\phi 115\text{mm}$ DTH drill, bolting rig, various hand held drill machines, drifters, blasting equipment and various air source requirement;
- Optimized new design with diesel engine muffler behind the cooler end independent unit for higher cooling efficiency and 40% lower noise reduction;
- All with EU3A compatible engines or IP55 motors.

Electrical Portable							
Model	Rated FAD	Rated Pressure	Motor Power	Air End	Motor Protection Class	Weight	Type
90SDY-8S	15.5 m ³ /min	8 bar	90 kW	Single Stage Compression	IP55	2,125 kg	4 wheel
90SDY-14.5	13 m ³ /min	14.5 bar	90 kW	Single Stage Compression	IP55	2,145 kg	2 wheel
90SDY-14.5S	13 m ³ /min	14.5 bar	90 kW	Single Stage Compression	IP55	2,120 kg	4 wheel
90SDY-17	13 m ³ /min	17 bar	90 kW	Two Stage Compression	IP55	2,600 kg	4 wheel

Diesel Portable						
Model	Rated FAD	Rated Pressure	Engine	Air End	Weight	Type
141SCY-15	15 m ³ /min	15 bar	140 kW(Yuchai)	Single Stage Compression	(2,520 kg) (2,450 kg)	4/2 wheel
141SCY-15B	15 m ³ /min	15 bar	142 kW(Cummins)	Single Stage Compression	2,520 kg	4 wheel
141SCY-15G	15 m ³ /min	15 bar	140 kW(Yuchai)	Single Stage Compression	2,520 kg	4 wheel
158SCY-17	15 m ³ /min	17 bar	162 kW(Yuchai)	Single Stage Compression	(3,300 kg) (3,100 kg)	4/2 wheel
162SCY-17	16 m ³ /min	17 bar	162 kW(Yuchai)	Two Stage Compression	3,540 kg	4 wheel



Large portable screw compressors

- This series primarily used with construction and mining required $\phi 138\text{mm}$ DTH drill, bolting rig, various hand held drill machines, drifters, blasting equipment and various air source requirement;
- All new designed air inlet valve and optimized air control system with less control parts and less breakdown possibilities for engine to easily start at idle;
- All with EU3A compatible engines or IP55 motors.



Electrical Portable

Model	Rated FAD	Rated Pressure	Motor Power	Air End	Motor Protection Class	Weight	Type
110SDY [®] -8	20 m ³ /min	8 bar	110 kW	Single Stage Compression	IP55	2,605 kg	4 wheel
110SDY [®] -17	15 m ³ /min	17 bar	110 kW	Two Stage Compression	IP55	3,000 kg	4 wheel
132SDY [®] -8	24 m ³ /min	8 bar	132 kW	Single Stage Compression	IP55	2,715 kg	4 wheel
132SDY [®] -13	17 m ³ /min	13 bar	132 kW	Single Stage Compression	IP55	2,665 kg	4 wheel
132SDY [®] -17	15 m ³ /min	17 bar	132 kW	Single Stage Compression	IP55	2,665 kg	4 wheel
132SDY [®] -18	17 m ³ /min	18 bar	132 kW	Two Stage Compression	IP55	3,500 kg	4 wheel
185SDY [®] -17	19 m ³ /min	17 bar	185 kW	Single Stage Compression	IP55	3,550 kg	4 wheel
185SDY [®] -24	22 m ³ /min	24 bar	185 kW	Two Stage Compression	IP55	4,100 kg	4 wheel

Diesel Portable

Model	Rated FAD	Rated Pressure	Engine	Air End	Weight	Type
186SCY [®] -19	17 m ³ /min	19 bar	191 kW(Yuchai)	Two Stage Compression	3,900 kg	4 wheel
198SCY [®] -21	19 m ³ /min	21 bar	191 kW(Yuchai)	Two Stage Compression	3,700 kg	4 wheel
220SCY [®] -22	22 m ³ /min	22 bar	220 kW(Yuchai)	Two Stage Compression	4,100 kg	4 wheel
298SCY [®] -24	29 m ³ /min	24 bar	295 kW(Yuchai)	Two Stage Compression	5,100 kg	4 wheel



Diesel box type compressors

- This series primarily used with water well and geothermal project required $\phi 115 - 254$ mm drill rigs and various other air source requirement;
- To add to the benefits of the portable compressors, this series specially good for continues running and with transportation requirement in consideration, upgraded for better durability and lower fuel consumption ;
- All with EU3A compatible engines.



Diesel Box type

Model	Rated FAD	Rated Pressure	Engine	Air End	Weight
S60 ⁺	18 m ³ /min	18 bar	162 kW (Yuchai)	Single Stage Compression	3,000 kg
S85D ⁺	24 m ³ /min	22 bar	228 kW (Yuchai)	Single Stage Compression	3,560 kg
S95CD ⁺	29 m ³ /min	24 bar	295 kW (Yuchai)	Two Stage Compression	4,700 kg
S100D ⁺	31 m ³ /min	25 bar	309 kW (Xichai)	Two Stage Compression	4,600 kg
S125D ⁺	36 m ³ /min	30 bar	410 kW (Cummins)	Two Stage Compression	5,600 kg



3. TECHNICAL PROPOSAL

3.1 Stationary screw air compressor system



Airsys screw air compressor can provide safe , clean , dry , cool and energy efficient compressed air , the proposal consists 7 parts:

- Screw air compressor*1
- Air tank*1
- Air dryer*1
- Liquid separator filter*1
- Particle filter*1
- Oil removal filter*1
- Connecting pipes and other accessories

3.2 Air tank parameters & details



Model	PRTANK-0.3
Volume	300L
Max temperature	150°C
Max working pressure Options	8bar
	10bar
	13bar
	16bar
	30bar
Height	1550mm
Diameter	550mm
Inlet/outlet size	DN25
Accessories	Safety valve
	Pressure gauge
	Drain valve



Model	PRTANK-0.6
Volume	600L
Max temperature	150°C
Max working pressure Options	8bar
	10bar
	13bar
	16bar
	30bar
	40bar
Height	1900mm
Diameter	700mm
Inlet/outlet size	DN40
Accessories	Safety valve
	Pressure gauge
	Drain valve



Model	PRTANK-1
Volume	1000L
Max temperature	150°C
Max working pressure Options	8bar
	10bar
	13bar
	16bar
	30bar
	40bar
Height	2200mm
Diameter	800mm
Inlet/outlet size	DN40
Accessories	Safety valve
	Pressure gauge
	Drain valve

3.3 Air dryer parameters & details



Regular type air dryer basic parameters

Model	Capacity	Voltage	Pressure range	Compressor power	Dimension (L*W*H)	Weight
PRAD-10	1.5m³/min	220V/50HZ	0.4Mpa~1Mpa	0.5kw	730*390*710mm	38kg
PRAD-15	2.0m³/min	220V/50HZ	0.4Mpa~1Mpa	0.5kw	750*410*740mm	38kg
PRAD-20	2.6m³/min	220V/50HZ	0.4Mpa~1Mpa	0.75kw	810*420*840mm	42kg
PRAD-30	3.8m³/min	220V/50HZ	0.4Mpa~1Mpa	1.2kw	960*510*810mm	59kg
PRAD-50	6.7m³/min	220V/50HZ	0.4Mpa~1Mpa	1.5kw	1000*560*970mm	79kg



High pressure/temperature type air dryer basic parameters
(HT=high temperature type / NT=normal temperature type)

Model	Capacity	Voltage	Pressure	Compressor power	Dimension (L*W*H)	Weight
PRHAD-20(HT13)	2.8m³/min	220V/50HZ	13bar	0.75kw	750*450*820mm	80kg
PRHAD-20(HT16)	2.8m³/min	220V/50HZ	16bar	0.75kw	750*450*820mm	80kg
PRHAD-20(HT30)	2.8m³/min	220V/50HZ	30bar	0.75kw	750*450*820mm	80kg
PRHAD-30(HT16)	3.8m³/min	220V/50HZ	16bar	1.25kw	950*500*890mm	100kg
PRHAD-50(HT13)	6.8m³/min	220V/50HZ	16bar	1.5kw	1030*500*1000mm	150kg
PRHAD-50(HT16)	6.8m³/min	220V/50HZ	16bar	1.5kw	1030*500*1000mm	150kg
PRAD-75(NT8)	10.0m³/min	220V/50HZ	8bar	2kw	1200*600*1200mm	185kg
PRAD-75(HT8)	10.0m³/min	220V/50HZ	8bar	2kw	1200*600*1200mm	185kg



**Non-thermal adsorption dryer
(NAAD)**



**Micro-thermal adsorption dryer
(MAAD)**

Adsorption dryer basic parameters

Model	Capacity	Suitable air compressor	Voltage	Power	Inlet size	Pressure dew point	Dimension (L*W*H)	Weight
PRNAAD-1	1.5m³/min	7.5~15HP	220V	< 0.1kw	G3/4"	≤ -45℃	810*360*1120mm	75kg
PRNAAD-2	2.5m³/min	15~20HP	220V	< 0.1kw	G3/4"	≤ -45℃	810*360*1310mm	115kg
PRNAAD-3	3.8m³/min	25~30HP	220V	< 0.1kw	G1"	≤ -45℃	820*400*1600mm	200kg
PRNAAD-6	6.8m³/min	40~50HP	220V	< 0.1kw	G1-1/2"	≤ -45℃	940*450*1850mm	290kg
PRNAAD-11	11m³/min	60~75HP	220V	< 0.1kw	G2"	≤ -45℃	1040*560*1950mm	400kg
PRNAAD-14	14m³/min	75~100HP	220V	< 0.1kw	G2"	≤ -45℃	1150*600*2000mm	480kg
PRNAAD-17	17m³/min	120~150HP	220V	< 0.1kw	DN65	≤ -45℃	1250*700*2100mm	560kg
PRNAAD-22	22m³/min	150~175HP	220V	< 0.1kw	DN65	≤ -45℃	1300*700*2250mm	680kg
PRNAAD-27	27m³/min	175~200HP	220V	< 0.1kw	DN80	≤ -45℃	1300*700*2350mm	780kg
PRNAAD-32	32m³/min	250~300HP	220V	< 0.1kw	DN80	≤ -45℃	1400*750*2550mm	950kg
PRNAAD-45	45m³/min	350~400HP	220V	< 0.1kw	DN100	≤ -45℃	1500*860*2600mm	1150kg
PRNAAD-56	56m³/min	450~500HP	220V	< 0.1kw	DN100	≤ -45℃	1600*900*2700mm	1600kg
PRNAAD-66	66m³/min	600HP	220V	< 0.1kw	DN125	≤ -45℃	1700*1000*2700mm	2100kg
PRNAAD-78	78m³/min	700HP	220V	< 0.1kw	DN125	≤ -45℃	1800*1100*2700mm	2300kg
PRNAAD-90	90m³/min	800HP	220V	< 0.1kw	DN125	≤ -45℃	1900*1200*2800mm	2600kg
PRMAAD-1	1.5m³/min	7.5~15HP	220V	< 1.5kw	G3/4"	≤ -45℃	810*360*1120mm	110kg
PRMAAD-2	2.5m³/min	15~20HP	220V	< 1.5kw	G3/4"	≤ -45℃	810*360*1310mm	150kg
PRMAAD-3	3.8m³/min	25~30HP	220V	< 2.5kw	G1"	≤ -45℃	820*400*1600mm	260kg
PRMAAD-6	6.8m³/min	40~50HP	220V	< 2.5kw	G1-1/2"	≤ -45℃	940*450*1850mm	360kg
PRMAAD-11	11m³/min	60~75HP	220V	< 2.5kw	G2"	≤ -45℃	1040*560*1950mm	480kg
PRMAAD-14	14m³/min	75~100HP	220V	< 3.5kw	G2"	≤ -45℃	1150*600*2000mm	580kg
PRMAAD-17	17m³/min	120~150HP	220V	< 3.5kw	DN65	≤ -45℃	1250*700*2100mm	660kg
PRMAAD-22	22m³/min	150~175HP	220V	< 4.5kw	DN65	≤ -45℃	1300*700*2250mm	780kg
PRMAAD-27	27m³/min	175~200HP	220V	< 4.5kw	DN80	≤ -45℃	1300*700*2350mm	880kg
PRMAAD-32	32m³/min	250~300HP	220V	< 6.5kw	DN80	≤ -45℃	1400*750*2550mm	1200kg
PRMAAD-45	45m³/min	350~400HP	220V	< 6.5kw	DN100	≤ -45℃	1500*860*2600mm	1300kg
PRMAAD-56	56m³/min	450~500HP	220V	< 12.5kw	DN100	≤ -45℃	1600*900*2700mm	1850kg
PRMAAD-66	66m³/min	600HP	220V	< 12.5kw	DN125	≤ -45℃	1700*1000*2700mm	2400kg
PRMAAD-78	78m³/min	700HP	220V	< 12.5kw	DN125	≤ -45℃	1800*1100*2700mm	2600kg
PRMAAD-90	90m³/min	800HP	220V	< 15.5kw	DN125	≤ -45℃	1900*1200*2800mm	2950kg
PRMAAD-105	105m³/min	900HP	220V	< 20.5kw	DN150	≤ -45℃	2500*1600*3100mm	3800kg

3.4 Customization service

Customization service	Custom options
Voltage	110V~660V
Phase	Singe phase
	Three phases
Pressure	7~16bar
Motor protection class	IP23~IP65
Motor efficiency class	IE2
	IE3
	IE4
Cooling method	Air cooling
	Oil cooling

- The above contents are general customization options, please contact us for other customization requirements

3.5 Spare parts & Maintenance suggestion

Spare parts	Description	Maintenance suggestions
	Air filter	Replace every 2000 workinghours
	Oil filter	First replace : 500 working hours Then replace every 2000 workinghours
	Oil-air separator	Replace every 2000 working hours
	Air filter Q ; filter out the impurities at 3micron,3ppm	Just replace the filter element for every 1~2 years
	Air filter P ; filter out the impurities at 1micron,1ppm	
	Air filter S ; filter out the impurities at 0.01micron,0.01ppm	
	Connecting Tubes & Hardware Parts	Depending on circumstances

- Maintenance time: First maintenance is 500 working hours and every 2000 working hours after that.
- Maintenance method: Replace the lubricating oil and oil filter for the first maintenance, and then replace the lubricating oil, air filter, oil filter, and oil-air separator every next maintenance.
- Due to the transportation policy, we can't transport lubricating oil to you, please purchase the special lubricating oil for screw air compressor locally.



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