

Portable Screw Air Compressor



The enterprise passes the ISO9001:2000 international quality system certification



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Hongkong Fengguang Industry Ltd
Dongguan City Qianwei Mechanical Equipment Technology Ltd
Airstone Screw Air Compressor Manufacturer





***Aerial view of the plant**

Enterprise brief

introduction

Airstone Group is considered one of the leading manufacturers of air compressor products in Guangdong, China. Airstone has over 500 employees. Our goal is to provide exceptional customer service coupled with quality products and energy saving solutions.

Airstone's primary businesses focus in following key areas: Oil-injected rotary screw compressors (Belt driven and Direct driven. Fixed speed and Variable speed. High, Normal and Low pressure.) Portable air compressors (Diesel-powered and Electric motor powered) Oil free air compressors (Dry type, Scroll type, Piston type and Water-lubricated type) Centrifugal compressors

At Airstone, we earn our customers' trust and satisfaction by manufacturing the superior quality compressed air products for all industries. All of our products are designed for reliable performance, easy maintenance, and maximum energy efficiency. Airstone has been exporting to more than 150 countries across the globe. We have the largest international sales and service team in China compressor industry.

Airstone continuously innovates product development and management to meet customers' demand. The powerful enterprise culture and continuous innovation make Airstone improved rapidly to reach the business principle "Energy Saving First, Mutual Value Shared".

Airstone's vision is to be a world-renowned high-end energy-saving machinery brand, with sustainable development, constantly improving its own value and sharing it with our customers and staff, committed to continuously satisfy the needs of global companies by providing a full range of industrial air compression solutions.

Diesel Engine Portable
Screw Air Compressor



ASCY15/13



ASCY15/18



ASCY5/8



ASCY6/8

Technicalparameters

Model number		ASCY5/8		ASCY6/8		ASCY5.5/13		ASCY15/13		ASCY 24/13		ASCY16/16 /ASCY17/13		ASCY10/18		ASCY16/25		ASCY 31/25	
Machine																			
Free Ar delivery	m³/min	5		6		5.5		15		24		16/17		10		16.8		31	
	CFM	185		215		196		536		850		570/607		350		600		1100	
Normal orking Pressure	bar(g)	8		8		13		13		13		16/13		18		25		25	
	psi(g)	116		116		190		190		190		235/190		260		360		360	
Weight	KGS	700		1000		1400		2500		3508		2500		2700		3700		4500	
Dimension	L (mm)	1600		2300		2500		3000		3200		3000		3000		3200		3442	
	W (mm)	1100		1460		1650		1776		2000		1776		1776		2000		1956	
	H (mm)	1600		1550		1600		2420		2600		2420		2420		2500		2220	
Wheel qty		2		2		2		4		4		4		4		4		4	
Outlet		G1-1/2"		G1-1/2"		G1-1/2inch		G1* G1-1/2"		G1-1/2" *G2"		G1* G1-1/2"		G1* G1-1/2"		G11/2"		3 *G2"	
Diesel Engine																			
Engine Manufacturer		Yuchai		Yuchai		Yuchai		Cummins		Cummins		Cummins		Yuchai		Cummins		Yuchai	
Model number		XCD4N12T-55/4BT3.9-C80		XCD4N12T-55/4BT3.9-C80		D7QG7		6BTA5.9-C180		6CTA8.3-C260		QSB5.9-C210 30		YC6V150Z-K20		6CTA8.3-C260-II		YC6MK400-H300	
Cylinder*Diameter*stoke		4*93*103		4*93*103		4*93*103		6*102.*120		6*114*135		6*102*120		6*105*125		6*108*135		6*123*145	
Rated power	KW	41		41		73.5		132		194		154		110		194		295	
Discharge	L	2.799		2.799		2.799		6.494		8.3		5.9		4.873		8.3		10.38	
Engine speed (Norminal)	RPM	2650		2650		2000		2000		2200		2200		2200		2200		2200	
Engine speed (Full loading)	RPM	2400		2400		1950		1950		1800		1800		1600		1900		1800	
Egine speed (Unloading)	RPM	1450		1450		1450		1350		1500		1420		1200		1500		1350	
Engine oil capacity	L	7		7		10		17		22		17		11		22		28	
Coolant oil capacity	L	12		12		40		20		50		20		20		50		60	
Fuel tank volume	L	75		75		50		230		360		230		230		360		360	
Battery	Model number	6-QW-120MF		6-QW-120MF		6-QW-120MF		6QW-165MF		6QW-165MF		6QW-165MF		6-QW-120MF/6-QW-126		6QW-165MF		6QW-165MF	
Compressor																			
Driven method		Direct driven		Direct driven		Direct driven		Direct driven		Direct driven		Direct driven		Direct driven		Direct driven		Direct driven	
Compressor stage		single stage		single stage		single stage		single stage		Two stage		Two stage		Two stage		Two stage		Two stage	
Lubircant capaicty	L	20		32		20		48		80		48		48		78		90	

Model number		ASCY10/18	ASCY13/18	ASCY15/18	ASCY17/18	ASCY19/18	ASCY11/20	ASCY 20/20	ASCY16/30
Machine									
Free Ar delivery	m³/min	10.6	13	15	17	19	11.2	20	16.8
	CFM	380	460	536	607	675	400	714	600
Normal orking Pressure	bar(g)	18	18	18	18	18	20	20	30
	psi(g)	260	260	260	260	260	294	294	435
Weight	KGS	2500	2700	2500	2700	3508	2500	3508	3800
Dimension	L (mm)	3000	3000	3000	3000	3200	3000	3200	3300
	W (mm)	1676	1776	1776	1776	2000	1676	2000	2000
	H (mm)	2100	2420	2420	2420	2600	2100	2600	2500
Wheel qty		4	4	4	4	4	4	4	4
Outlet		G1-1/2"	G1* G1-1/2"	G1* G1-1/2"	G1* G1-1/2"	G1-1/2" *G2"	G1-1/2"	G1-1/2" *G2"	G11/2"
Diesel Engine									
Engine Manufacturer		Cummins	Yuchai	Cummins	Yuchai	Yuchai	Cummins	Cummins	Cummins
Model number		6BTA5.9-C180-II	YC6B180Z-T21	QSB5.9-C210 30	YCA07240-T300	YCD6Q33T6-260	6BTA5.9-C180-II	6CTA8.3-C260	6LTAA8.9-C360
Cylinder*Diameter*stoke		6*102*120	6*105*125	6*102*120	6*108*132	6*108*135	6*102*120	6*114*135	6*114*145
Rated power	KW	132	140	154	177	191	132	194	264
Discharge	L	5.9	6.494	5.9	7.255	7.42	5.9	8.3	8.9
Engine speed (Norminal)	RPM	2200	2200	2200	2200	2200	2200	2200	2200
Engine speed (Full loading)	RPM	2000	1600	2000	1800	1850	1800	1800	1900
Engine speed (Unloading)	RPM	1420	1200	1420	1420	1450	1420	1500	1500
Engine oil capacity	L	17	17	17	22	22	17	22	27.4
Coolant oil capacity	L	20	20	20	20	50	20	50	60
Fuel tank volume	L	230	230	230	360	360	230	360	400
Battery	Model number	6QW-165MF	6QW-165MF	6QW-165MF	6QW-165MF	6QW-165MF	6QW-165MF	6QW-165MF	6QW-165MF
Compressor									
Driven method		Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven	Direct driven
Compressor stage		single stage	Two stage	Two stage	Two stage	Two stage	Two stage	Two stage	Two stage
Lubircant capaicty	L	48	48	48	80	80	48	80	78

Motor Driven Portable
Screw Air Compressor

Product Feature:

Adopted stepless air inlet control to make the whole machine efficient and energy-saving
High efficiency four pole motor, longer service life and more reliable
More reasonable underframe design makes the fuselage more solid and stable



ASDY21-15

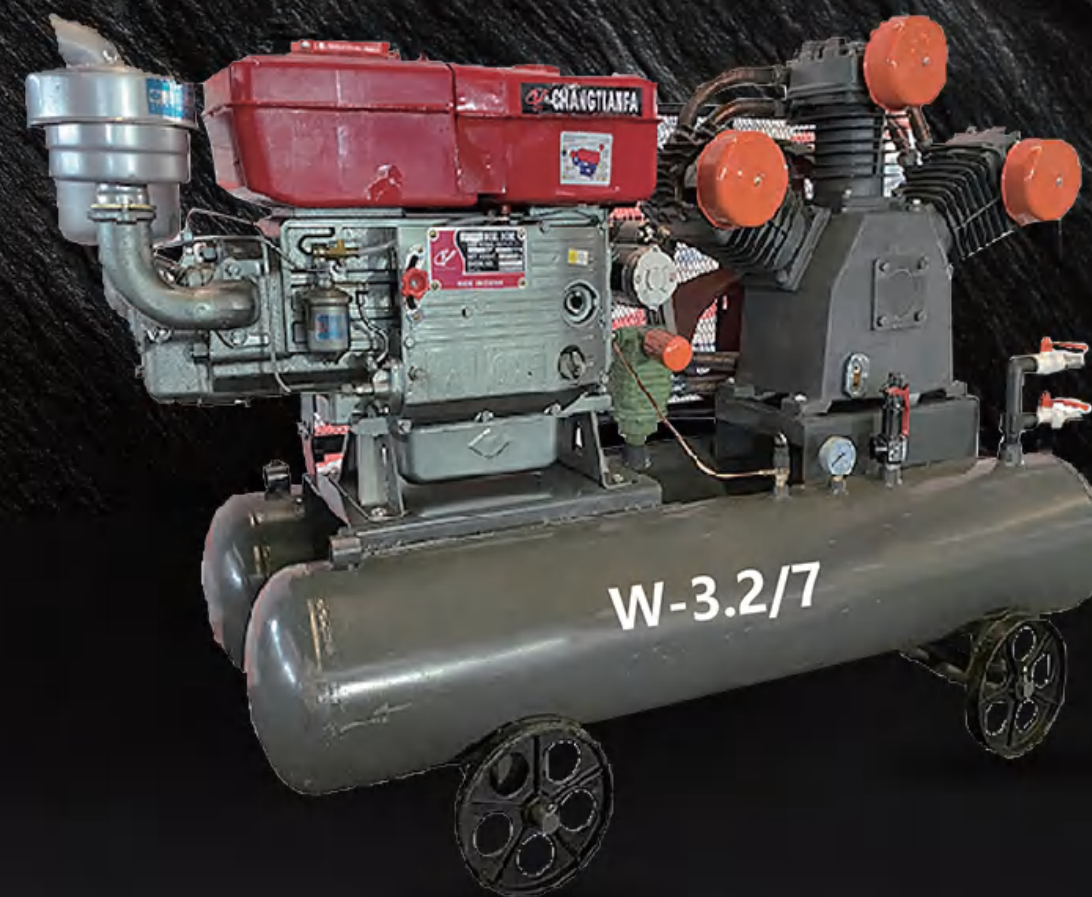


ASDY16-13

Technical parameters

Model	Motor	Motor Power	Air capacity	Pressure	Connector size	Net Weight	Dimension
ASDY 13.6-8	Hanson	75 KW	13.6m3/min	8 bar	G1 " G11/2"	1700 kg	2600*1500*1800mm
ASDY 13-14.5	Hanson	90 KW	13.0m3/min	14.5 bar	G1 " G11/2"	1700 kg	2600*1500*1800mm
ASDY 15-17	Hanson	132 KW	15.0m3/min	17 bar	G11/2 " G2"	2850 kg	2850*1810*2150mm
ASDY 16-13	Hanson	110 KW	16.0m3/min	13 bar	G11/2 " G2"	2850 kg	2850*1810*2150mm
ASDY 17-18	Hanson	132 KW	17.0m3/min	18 bar	G11/2 " G2"	2850 kg	2850*1810*2150mm
ASDY 20-18	Hanson	185 KW	20.0m3/min	18 bar	G11/2 " G2"	2966 kg	3370*1824*2350mm
ASDY 21-16	Hanson	175 KW	21.0m3/min	16 bar	G11/2 " G2"	3350 kg	3370*1824*2350mm
ASDY 24-14	Hanson	185 KW	24.0m3/min	14 bar	G11/2 " G2"	3350 kg	3370*1824*2350mm

Diesel Engine Mobile piston compressor





W-1.8/5



W-2.8/5



W-3.2/7



SF-4.0/5



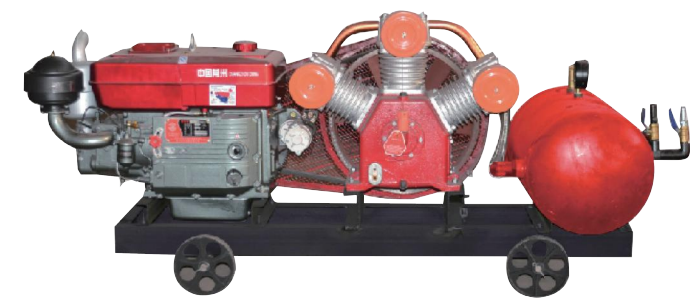
W-3.0/5



W-3.5/5



2V-4.5/5



W-3.5/5J

Model	Power	Cylinders pcs*mm	Rpm r/min	Air capacity M3/min	Pressure Mpa (Kg/cm3)	Weight KG	Dimension L*W*H mm
W-1.8/5	S1100*11kw	3 x φ100	1200	1.8	0.5 (5)	300	1500*600*950
W-2.6/5	S1100*15kw	3 x φ115	1030	2.6	0.5 (5)	450	1670*820*1150
W-2.8/5	S1100*15kw	3 x φ115	1120	2.8	0.5 (5)	450	1670*820*1150
W-3.0/5	S1115*18.5kw	3 x φ120	1070	3.0	0.5 (5)	460	1880*870*1230
W-3.5/5	S1115*18.5kw	3 x φ125	1170	3.5	0.5 (5)	460	1880*870*1240
W-3.2/7	S1125*22kw	3 x φ125	980	3.2	0.7 (7)	480	1820*740*1520

Model	Power	Cylinders pcs*mm	Rpm r/min	Air capacity M3/min	Pressure Mpa (Kg/cm3)	Weight KG	Dimension L*W*H mm
SF-4.0/5	S1125*22kw	4 x φ120	1070	4.0	0.5 (5)	655	1960*860*1300
2V-3.5/5	S1115*18.5kw	4 x φ115	980	3.5	0.5 (5)	650	1800*950*1300
2V-4.0/5	S1100*15kw	4 x φ120	980	4.0	0.5 (5)	750	1800*950*1300

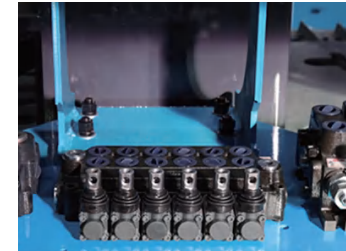
Crawler type **drilling rig**



Product advantage



High efficiency diesel engine, supercharged and intercooled, adopts BDSCH high pressure common rail system. Strong power, low fuel consumption and low noise which can meet national emission requirements.



Newly designed hydraulic system, equipped with well-known hydraulic valve, centrally arranged, easy to operate. Reliable and long service life.

High efficiency air filter assembly is equipped with a large flow rate and safety filter element, which can effectively protect the engine for a long time and prolong the service life of the engine.



Newly designed rotary head, hydraulic four-speed 0-110r/min. Low-speed, high-torque, high-speed and low-torque adapt to various industrial and mining requirements. The rotary spindle never wears out. Lengthened wear plates and lateral rollers for stable perforation. Manganese steel flat iron up and down the guide rail. The propulsion beam moves smoothly.



High efficiency induction motor, extremely low operating temperature and energy conversion losses and stable to ensure long term no fault operation.



Brand-name roller chain has high tensile strength. Equipped with waterproof and dustproof sprockets for long service life.

The controller can control the operation of parts accurately with collecting all operating data to diagnose and indicate the fault, alert to protect the compressor.



Imported German brand host. Fleetguard has two four-stage air intake air filter assemblies, with large flow and high filtration accuracy.



Humanized dashboard design, centralized display, simple and convenient control. Concentrated pressure display, small vibration, accurate pressure measurement, improve the life of the pressure gauge.



IP67 protection level for famous brand engine controller, humanized design, centralized display, stable operation, simple and convenient. Concentrated pressure display, low vibration, accurate oil pressure, and prolong the life of the pressure gauge. The newly designed hydraulic system is equipped with well-known hydraulic valves, which are centrally arranged and easy to operate.

The fuel is equipped with a large capacity oil-water separator, high-efficiency three-stage precision filtration. Cast iron gear pump, high pressure resistance, wear resistance and long service life.



High-efficiency, four-wheeled, high-torque plunger for excavators. Walk-in motor, strong climbing ability. Widened engineering crawler, the whole machine runs smoothly.





AS420

Product Feature:

- Increase the power of engine, use high -power famous brand diesel engines
- Adopt a line motor to improve the life of the system
- Optimize the system to make work efficiency higher
- Extend the advance length of drill to make the speed faster

Technical parameters

Model	AS420
Working pressure(Mpa)	0.7-1.6
Capacity(m3/min)	10-20
Rock drilling hardness	F=6-20
Drilling diameter(mm)	90-145
Drilling depth(m)	30
One-time Advance Length of the Drill(m)	3
Drilling tube length(mm)	3000 (2000mm open hole)
Drilling tube specification(mm)	φ76*3000
Compensation length(mm)	950
Rotation speed(r/min)	0-70
Push power(N)	35000
Boom Down&Up	Down&Up70°
Boom Left&Right	L45°,R45°90°
Carriage Down&Up	Down&Up100°
Carriage Left&Right	L91°,R17°
Climbing Angels	30°
Ground Clearance(mm)	560
Weight(Ton)	5
Dimension(mm)	5100*2260*2550
Engine	YuchaiYC4D80(58KW)



AS420CD

Product Feature:

Increase the power of engine, use high -power famous brand diesel engines
Adopt a line motor to improve the life of the system
Optimize the system to make work efficiency higher

Technical parameters

Model	AS420CD
Working pressure(Mpa)	0.7-1.6
Capacity(m3/min)	9-16
Rock drilling hardness	F=6-20
Drilling diameter(mm)	90-145
Drilling depth(m)	30
One-time Advance Length of the Drill(m)	3
Drilling tube length(mm)	3000 (2000mm open hole)
Drilling tube specification(mm)	φ60*3000
Compensation length(mm)	1200
Rotation speed(r/min)	0-70
Push power(N)	35000
Boom Down&Up	Down&Up70°
Boom Left&Right	L45°,R45°90°
Carriage Down&Up	Down&Up100°
Carriage Left&Right	L91°,R17°
Climbing Angels	30°
Ground Clearance(mm)	300
Weight(Ton)	6
Dimension(mm)	6000*2260*2550
Engine	YuchaiYC4D80(58KW)or(45KW)



AS425

Product Feature:

Increase the power of engine, use high -power famous brand diesel engines
Adopt a line motor to improve the life of the system

Technical parameters

Model	AS425
Working pressure(Mpa)	0.7-2.0
Capacity(m3/min)	10-20
Rock drilling hardness	F=6-20
Drilling diameter(mm)	90-145
Drilling depth(m)	30
One-time Advance Length of the Drill(m)	3
Drilling tube length(mm)	3000 (2000mm open hole)
Drilling tube specification(mm)	φ76*3000
Compensation length(mm)	1220
Rotation speed(r/min)	60-80
Push power(N)	35000
Boom Down&Up	Down&Up70°
Boom Left&Right	L45°,R45°90°
Carriage Down&Up	Down&Up100°
Carriage Left&Right	L91°,R17°
Climbing Angels	30°
Ground Clearance(mm)	560
Weight(Ton)	5
Dimension(mm)	5100*2260*2550
Engine	58KW



AS430

Product Feature:

- Diesel engine&Electric engine dual-power, energy saving and efficient, stronger adaptability
- Increase the power of engine, use high -power famous brand diesel engines
- Adopt a line motor to improve the life of the system
- Optimize the system to make work efficiency higher
- Extend the advance length of drill to make the speed faster

Technical parameters

Model	AS430
Working pressure(Mpa)	0.7-2.0
Capacity(m3/min)	10-20
Rock drilling hardness	F=6-20
Drilling diameter(mm)	90-145
Drilling depth(m)	30
One-time Advance Length of the Drill(m)	3
Drilling tube length(mm)	3000 (2000mm open hole)
Drilling tube specification(mm)	φ76*3000
Compensation length(mm)	1220
Rotation speed(r/min)	60-80
Push power(N)	35000
Boom Down&Up	Down&Up70°
Boom Left&Right	L45°,R45°90°
Carriage Down&Up	Down&Up100°
Carriage Left&Right	L91°,R17°
Climbing Angels	30°
Ground Clearance(mm)	560
Weight(Ton)	6.5
Dimension(mm)	7370*2360*2560
Engine	74KW