CFAIR

ENGINE DRIVEN COMPRESSOR

50-1800CFM 7-30bar / 101.5psi-435psi

ENGINE DRIVEN AIR COMPRESSORS

PROFESSIONAL MANUFACTURER

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BOX SERIES | PORTABLE SERIES | AFTER COOLER SERIES | HIGH PRESSURE SERIES | OIL-FREE SERIES

ENGINE-DRIVEN COMPRESSOR MANUFACTURER

20000+
AIR COMPRESSOR SOLUTIONS

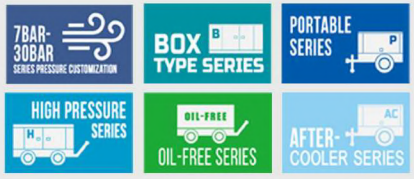
35+
INTERNATIONAL MARKET

45+
TECHNOLOGY HISTORY

CFAIR ENGINE DRIVEN
SCREW AIR COMPRESSORS

PROFESSIONAL MANUFACTURER

CFAIR offers a range of engine driven screw air compressors including Box Type, Portable Type, After Cooler Series, High Pressure Series, and Oil Free models. Equipped with leading global manufacturing equipment, CFAIR ensures rigorous control from precision machining of screw heads, assembly, and system performance testing to comprehensive solution design and exterior finishing by expert teams. CFAIR compressors range in power from 50 CFM to 1800 CFM and operate at pressures from 7 bar to 30 bar.



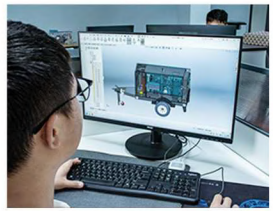
HIGH-QUALITY SOLUTIONS

CFAIR's team comprises industry experts and seasoned professionals with over 45 years of technical expertise in the design and manufacturing of screw air compressors. With a research and development experience of over 20,000 diesel screw air compressors, they lead and drive the advancement of screw air compressor technology.

CFAIR PRODUCTION PROCESS AND TECHNOLOGY

Our professional production line starts with the production of screw heads, where our team of experts and advanced machines use cutting-edge equipment to ensure excellence and durability. Subsequently, sheet metal production involves processes such as laser cutting, bending, welding, pickling, phosphating, forming and anti-corrosion coating.

Our assembly workshop is equipped with professional tools and skilled personnel to ensure that our production capabilities meet industry standards. Each machine is then rigorously tested and inspected by experts in our quality inspection and testing workshop to ensure that it meets our high quality standards.



QUALITY CERTIFICATE AUTHENTICATION

Quality Management System (QMS) International Standard 9001-2015.

International Standard For Occupational Health And Safety Management Systems 4501-2018.

International Standard For Environmental Management Systems 14001-2015.

CE European Union Standard Certification

MODEL SELECTION

COMPREHENSIVE SOLUTION
HIGH PRESSURE SERIES

High Pressure

HIGH PRESSURE SCREW AIR COMPRESSOR

A high pressure portable air compressor is a mobile device designed to generate and deliver high pressure compressed air for a variety of industrial applications.

CFAIR HIGH PRESSURE AIR COMPRESSOR ADVANTAGES

CFAIR high-pressure portable air compressors are expertly designed and renowned in the market for their quiet operation, stability, and durability. Once the machine is started, all pipelines remain vibration-free and leak-proof. The exterior is rust-resistant, and to minimize refueling frequency, it features two large-capacity daily fuel tanks. Additionally, it leads the industry in its control system, air filtration, battery, and operation system.

HIGH PRESSURE AIR COMPRESSOR

DETAILED DISPLAY

1.DIESEL ENGINES

- CFAIR's main engine brands include Cummins, ISUZU and a small amount of FAW
- Adopting four-stroke four- to six-cylinderengines of various brands, with stableperformance

2.TWO-STAGE AIR FILTERPREFER

- The double-layer nano-scale air filter for diesel air compressors enhances filtration efficiency, extends engine life, improves fuel efficiency, reduces maintenance costs, ensures consistent performance, and offers environmental benefits by capturing finer particles, leading to cleaner air intake and optimal engine operation.

3.STAINLESS OUTLET VALVE

- Stainless steel outlets for diesel air compressors offer durability, corrosion resistance, reliability, longevity, and maintain air purity.

4.VARTA BATTERIES

- VARTA batteries offer superior performance, long lifespan, reliable power, advanced technology, minimal maintenance, and high safety standards, making them ideal for a wide range of applications.

5.EMERGENCY STOP BUTTON

- An emergency stop button for a diesel air compressor enhances safety, allows immediate shutdown in emergencies, prevents damage, reduces risks, and ensures operator protection and equipment reliability.

6.DAILY FUEL TANK

- The CFAIR high-pressure diesel air compressor's dual large-capacity fuel tanks ensure longer run times, reduce refueling frequency, increase productivity and enhance job site efficiency.

HIGH PRESSURE SERIES
AIR COMPRESSOR

High Pressure

140 CFM
15BAR

SEPECIFICATION	CF140B-15
Free Air Delivery	3.9m3/min(140cfm)
Working Pressure	15bar(217.5psi)
Model	ISUZU JE493ZLYA
L × W × H	2280 x 1228 x 1360 mm
Weight	1270kg

430 CFM
12BAR

SEPECIFICATION	CF430M-12
Free Air Delivery	12.1m3/min(430cfm)
Working Pressure	12bar(174psi)
Model	CUMMINS 6BTA5.9-C180
L × W × H	4567 x 2027 x 2000 mm
Weight	2070kg

550 CFM
19BAR

SEPECIFICATION	CF550M-19
Free Air Delivery	15.5m3/min(550cfm)
Working Pressure	19bar(275.5psi)
Model	CUMMINS 6CTA8.3-C260
L × W × H	4370 x 1750 x 2305 mm
Weight	3800kg

750 CFM
21BAR

SEPECIFICATION	CF750M-21
Free Air Delivery	22m3/min(780cfm)
Working Pressure	21bar(304.5psi)
Model	CUMMINS 6LTAA8.9-C360
L × W × H	4370 x 1950 x 2355 mm
Weight	4400kg

1150 CFM
25BAR

SEPECIFICATION	CF1150M-25
Free Air Delivery	32.4m3/min(1150cfm)
Working Pressure	25bar(362.5psi)
Model	CUMMINS X12T-C513
L × W × H	4370 x 2950 x 2355 mm
Weight	5850kg

1300 CFM
31BAR

SEPECIFICATION	CF1300M-31
Free Air Delivery	36.6m3/min(1300cfm)
Working Pressure	31bar(449.5psi)
Model	CUMMINS QSM15
L × W × H	4683 x 2200 x 2535 mm
Weight	7600kg

MODEL	FREE AIR DELIVERY	PRESSURE	ENGINE	DIMENSIONS(MM)	WEIGHT(KG)	AIR OUTLETS
CF140M-12	140CFM / 3.9M³/MIN	12BAR / 174PSI	ISUZU JE493ZLYA	3530*1760*1850	1380	2 X 3/4"
CF140M-15	140CFM / 3.9M³/MIN	15BAR / 217.5PSI	ISUZU JE493ZLYA	3530*1760*1850	1380	2 X 3/4"
CF275M-12	275CFM / 7.8M³/MIN	12BAR / 174PSI	CUMMINS 4BTA3.9-C125	4155*2024*1890	1970	2 X 3/4" + 1 X 2"
CF350M-12	350CFM / 9.9M³/MIN	12BAR / 174PSI	CUMMINS 6BTA5.9-C180	4567*2027*2000	2070	3 X 3/4" + 1 X 2"
CF375M-12	375CFM / 10.6M³/MIN	12BAR / 174PSI	CUMMINS 6BTA5.9-C180	4567*2027*2000	2070	3 X 3/4" + 1 X 2"
CF430M-12	430CFM / 12.1M³/MIN	12BAR / 174PSI	CUMMINS 6BTA5.9-C180	4567*2027*2000	2070	3 X 3/4" + 1 X 2"
CF450M-14	450CFM / 12.7M³/MIN	14BAR / 203PSI	CUMMINS QSB5.9-C210	4567*2027*2000	2070	3 X 3/4" + 1 X 2"
CF455M-18	455CFM / 12.8M³/MIN	18BAR / 261PSI	CUMMINS QSB5.9-C210	4567*2027*2000	2070	3 X 3/4" + 1 X 2"
CF535M-12	535CFM / 15.1M³/MIN	12BAR / 174PSI	CUMMINS QSB5.9-C210	4567*2027*2000	2070	3 X 3/4" + 1 X 2"
CF550M-16	550CFM / 15.5M³/MIN	16BAR / 232 PSI	CUMMINS 6CTA8.3-C260	4370*1750*2305	3800	1 X 3/4" + 1 X 2"
CF550M-19	550CFM / 15.5M³/MIN	19BAR / 275.5PSI	CUMMINS 6CTA8.3-C260	4370*1750*2305	3800	1 X 3/4" + 1 X 2"
CF575M-15	575CFM / 16.2M³/MIN	15BAR / 217.5PSI	CUMMINS 6CTA8.3-C260	4370*1750*2305	3800	1 X 3/4" + 1 X 2"
CF600M-12	600CFM / 16.9M³/MIN	12BAR / 174PSI	CUMMINS 6CTA8.3-C260	4370*1750*2305	3800	1 X 3/4" + 1 X 2"
CF700M-18	700CFM / 19.7M³/MIN	18BAR / 261PSI	CUMMINS 6LTAA8.9-C360	4370*1950*2355	4400	1 X 3/4" + 1 X 2"
CF750M-12	750CFM / 21.1M³/MIN	12BAR / 174PSI	CUMMINS 6LTAA8.9-C360	4370*1950*2355	4400	1 X 3/4" + 1 X 2"
CF750M-21	750CFM / 21.1M³/MIN	21BAR / 304.5PSI	CUMMINS 6LTAA8.9-C360	4370*1950*2355	4400	1 X 3/4" + 1 X 2"
CF850M-22	850CFM / 24M³/MIN	22BAR / 319PSI	FAW 6DM2-46G2	4688*1900*2340	3950	1 X 3/4" + 1 X 2"
CF900M-12	900CFM / 25.4M³/MIN	12BAR / 174PSI	CUMMINS 6LTAA8.9-C360	4688*1900*2340	4400	1 X 3/4" + 1 X 2"
CF1150M-25	1150CFM / 32.4M³/MIN	25BAR / 362.5PSI	CUMMINS X12T-C513	4370*1950*2355	5850	1 X 3/4" + 1 X 2"
CF1150M-30	1150CFM / 32.4M³/MIN	30BAR / 435PSI	CUMMINS QSZ13-C550	4683*2200*2535	7355	1 X 3/4" + 1 X 2"
CF1300M-31	1300CFM / 36.6M³/MIN	31BAR / 449.5PSI	CUMMINS QSM15	4683*2200*2535	7600	1 X 3/4" + 1 X 2"
CF1500M-24	1500CFM / 42.3M³/MIN	24BAR / 348PSI	CUMMINS QSM15	4370*1950*2355	7600	1 X 3/4" + 1 X 2"
CF1600M-17	1600CFM / 45M³/MIN	17BAR / 246.5PSI	CUMMINS QSZ13-C550	4370*1950*2355	7355	1 X 3/4" + 1 X 2"

● Please contact with CFAIR teams for more models of compressors.

PNEUMATIC TOOLS

T SERIES

DETAILS

- Heat-treated forged body for excellent durability.
- Noise reduction muffler is optionally available.
- D-style handle for precise control

Model	Piston Diameter	Piston Stroke	Avg. Air Consumption	Weight	Impact Frequency	Air Pressure	Overall Length	Hose Size	Shank Size
TCA-7	35	120	35.3	7.2	20.8	6.3	465	19	26×80
TCD-20	42.85	60	39	10	33.3	6.3	520	19	26×80
TPB-40	44	146	56.8	18	17.5	6.3	660	19	25×108
TPB-60	57.15	100	66.7	30	23.3	6.3	345	19	32×152
TPB-90	66.67	152	36.7	42	25.3	6.3	723	19	32×152

M/B SERIES

Model	Bore (mm)	Stroke (mm)	Impact Rate (B.P.M)	Weight (kg)	Length (mm)	Air Consumption (CFM/m3/min)	Shank Size (mm)	Air Inlet (inch)
MO-2	32	163	1500	7.9	560	48.7 / 1.37	Ø24×72	3/4
MO-3	32	193	1320	8.2	595	1.43 / 50.8	Ø24×72	3/4
MO-4	32	228	1080	9	650	1.67 / 59.3	Ø24×72	3/4
B-1	38	198	960	14.1	665	2.74 / 97.4	Ø24×72	3/4
B-2	38	258	780	15.4	745	2.5 / 89	Ø24×72	3/4
B-3	38	293	720	16.2	795	2.5 / 89	Ø24×72	3/4

CHIPPING HAMMER & SPADE

Model	Diameter (mm)	Stroke (mm)	Air Pressure (Mpa)	Impact Energy J	Impact Frequency (HZ)	Air Consumption (L/S)	Pipe Joint Outer Diameter (mm)	Weight (kg)	Shank Size (mm)
C3	25	60	0.63	≥5	≥45	≤15	13	3.5	Ø17.5×60
C4	30	80	0.63	≥10	≥40	≤18	18	5.7	Ø17.5×60
C6A	30	105	0.63	≥14	≥32	≤21	18	6.7	Ø17.5×60
C6E	25	92	0.63	≥10	≥35	≤19	13	4.4	Ø17.5×60
Q6D	33	45	0.63	≥5	≥30	≤280	9	5.2	S18×60
Q8T	48	55	0.63	≥15	≥26	≤480	9	8	S18×60

G SERIES

Model	Bore (mm)	Stroke (mm)	Use air pressure (Mpa)	Weight (kg)	Length (mm)	Air consumption (L/S)	Shank Size (mm)	outer diameter
G10	38	155	0.63	10	570	≤26	Ø24×72	19
G12	38	155	0.63	11	570	≤26	Ø24×72	20
G15	38.5	155	0.63	11	570	≤26	Ø24×72	20
G16	40	155	0.63	13	345	≤26	Ø24×72	20
G20A	48	155	0.63	20	540	≤28	Ø30×87	20
G20B	40	155	0.63	14	600	≤26	Ø24×72	20
G25	48	155	0.63	42	723	≤28	Ø30×87	20
G30	48	155	0.63	20.5	600	≤28	Ø30×87	20

ROCK DRILLING

FUNCTIONAL USE

- Rock drills are used in mining, quarrying, tunnel construction, blasting, breaking rock, and drilling holes in construction and civil engineering projects.

ACCESSORIES

Model	Weight (kg)	Bore (mm)	Stroke (mm)	Impact Energy J	Impact Frequency (HZ)	Air consumption (L/S)	Air Hose (mm)	Water Hose (mm)	Shank (mm)
Y-18	18	60	50	32.7	30	25	19	13	22×108
Y-20	18	60	50	32.7	30	25	19	13	22×108
Y-24	24	70	70	62	31	56	19	13	22×108
Y-28	26	80	60	63	35	58	25	13	22×108

ACCESSORIES

Shovel Head	1#	2#	3#	4#	5#	6#	7#	8#
Length and Width	390×140	300×200	300×60	300×25	390×pointed	270×35	240×80	560×110
Weight (kg)	1.5	1.1	0.63	0.59	0.56	0.57	0.6	2

Our brand of goods packaging can accept the customer's customized packaging type, such as wooden box .

● For more pneumatic tool models, please contact CFAIR team.

ACCESSORIES, PRE-SALES AND AFTER-SALES SERVICES

ACCESSORIES SERVICE AND PACKAGING DELIVERY

ACCESSORIES SERVICE

CFAIR offers a comprehensive accessories service. When you purchase a machine, you can opt to have the corresponding maintenance accessories shipped with it, or you can buy them separately during maintenance.
Additionally, CFAIR provides air transportation services for your convenience.

PACKAGE CONDITION

CFAIR offers two superior packaging options to ensure your machine's safe transit: PE film with anti-collision cotton and wooden box packaging. These excellent packaging methods help prevent any damage or bumps during transportation.

DELIVERY TIME

CFAIR uses German technology to design oil-free screw air compressor heads to ensure safety and stability, ensure clean air output, reduce maintenance, extend service life, and be environmentally friendly.

PAYMENT METHOD AND AFTER-SALES SERVICE

TECHNICAL SERVICES

CFAIR offers advanced air compressor technology, ensuring seamless operation and intuitive controls, along with comprehensive after-sales support to meet all your maintenance and service needs efficiently.

TECHNICAL SERVICES

CFAIR calculates the warranty period after purchase and delivery (warranty period 1 year), and can be switched to a warranty plan (up to 1,000 operating hours) without any complex contract negotiations. Best of all: During the warranty period, there is no additional cost to pay, except for the standard maintenance costs.

WARRANTY PLAN

Our relentless efforts in supply chain management and quality control have earned CFAIR a strong market reputation, focusing on customer feedback to improve product reliability, durability, and delivery timeliness.

Our brand of goods packaging can accept the customer's customized packaging type, such as wooden box .

CFAIR ALL AIR COMPRESSOR SOLUTIONS

CFAIR COMPRESSED AIR MACHINE TYPE SPECTRUM

Small Air
- 50-535 CFM
- 101.5-152.25 PSI

(Pneumatic Pick for sale)

Medium Air
- 535-850 CFM
- 101.5-152.25 PSI

(Pneumatic Pick for sale)

Large Air
- 600-1800 CFM
- 152.25-435 PSI

(Pneumatic Pick for sale)

PORTABLE SCREW AIR COMPRESSOR
- 50-1800 CFM
- 101.5-435 PSI

EU/EPA PORTABLE SCREW AIR COMPRESSOR
- 50-1800 CFM
- 101.5-362.5 PSI

BOX-TYPE SCREW AIR COMPRESSOR
- 50-1800 CFM
- 101.5-435 PSI

AFTER-COOLER SCREW AIR COMPRESSOR
- 75-1600 CFM
- 101.5-362.5 PSI

HIGH PORTABLE SCREW AIR COMPRESSOR
- 75-1800 CFM
- 101.5-435 PSI

OIL-FREE SCREW AIR COMPRESSOR
- 150-1500 CFM
- 127.6-149.5 PSI

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