

Diesel Portable Screw Air Compressor

KAISHAN diesel portable screw air compressor is widely applied in the industries, such as, road, railway, mine, water conservancy, shipbuilding, urban construction, energy and war industry, etc.

Kaishan-Brand diesel portable screw air compressor is efficient and reliable, with complete varieties. Its power range is 32 - 300kW; discharge quantity covers 39m³/min and the discharge pressure is up to 3.5MPa at maximum.

LGCY Single-stage compression diesel screw air compressor

Characteristics

1. Main engine: Patent lines large-diameter rotor design is adopted. The main engine is directly connected with the diesel engine through the high-elastic coupling, without overdrive gear. The revolving speed of main engine is consistent with that of diesel engine, so that higher efficiency, more reliability and longer service life can be achieved.
2. Diesel engine: Select domestic and international famous brand diesel engine, such as, Commins and Yuchai, with strong power, low fuel consumption, perfect after-sales service system so that the user can obtain quick and perfect service.
3. Air flow control system is simple and reliable. It conducts 0 - 100% of automatic adjustment for the air inflow according to air consumption volume, and automatically adjusts the accelerator of the diesel engine to save the diesel at the maximum degree at the same time.
4. The operation parameters, such as, discharge pressure, discharge temperature of microcomputer intelligent monitoring air compressor and rotate speed, oil pressure, water temperature of the diesel engine as well as liquid level of oil tank, have automatic alarm and stop protection function.
5. Multi-stage air filter is suitable for working environment with much dust; Multi-stage fuel filter is suitable for current situation of domestic oil quality; Super-large oil and water cooler is suitable for high-temperature and altitude environment.
6. The parts of spacious maintenance door required to be maintained are within accessible range. It is easy and convenient to maintain air filter, oil filter, fuel tank, battery and oil cooler, reducing the shutdown time.
7. It is convenient to move and it can be moveable flexibly under abominable topographic condition. Each compressor is equipped with rings, which are used for safely and conveniently lifting and transporting.



LGCY Single-stage compression portable diesel screw air compressor

Model	Working Pressure		Capacity		Diesel Engine	Weight kgs	Dimensions (L*W*H)mm
	bar	Psi	m ³ /min	cfm			
LGCY-6/7X	7	102	6	212	YuChai 75HP	1400	3750*1920*1700
LGCY-7.5/7X	7	102	7.5	265	YuChai 75HP	1850	3900*1920*1700
LGCY-9/7	7	102	9	318	YuChai 120HP	1850	3900*1920*1700
LGCY-12/10	10	145	12	424	YuChai 160HP	2380	4080*1980*2350
LGCY-12/10K	10	145	12	424	Cummins 160HP	2380	4080*1980*2350
LGCY-10/13	13	189	10	353	YuChai 160HP	2380	4080*1980*2350
LGCY-18/17	17	247	18	636	YuChai 260HP	3700	3980*1800*2450
LGCY-18/17K	17	247	18	636	Cummins 260HP	3700	3980*1800*2450
LGCY-22/8K	8	116	22	777	Cummins 260HP	4000	4580*1950*2600
LGCY-22/14	14	203	22	777	YuChai 340HP	4500	4580*1950*2600
LGCY-22/14K	14	203	22	777	Cummins 325HP	4500	4580*1950*2600
LGCY-22/18	18	261	22	777	YuChai 340HP	4500	4580*1950*2600
LGCY-22/18K	18	261	22	777	Cummins 360HP	4500	4580*1950*2600
LGCY-27/10	10	145	27	954	YuChai 340HP	5000	4600*1950*2850
LGCY-27/10K	10	145	27	954	Cummins 325HP	5000	4600*1950*2850
LGCY-32/10	10	145	32	1130	YuChai 400HP	5000	4600*1950*2850
LGCY-32/10K	10	145	32	1130	Cummins 360HP	5000	4600*1950*2850

Two-stage Compression Portable Diesel Screw Air Compressor**Characteristics:****1. Triple air filtration system and triple oil and gas separation system**

Efficient cooling system for lubricating oil filter with precision of 10 μ . Axial-flow type inlet valve fully closed chassis and mute cover design

The top is equipped with single-point lifting ring, which is convenient for loading and unloading heavy type portable chassis

Special compressor lubricants for microcomputer control system interface

2. SKY2 patent compression main engine

Design according to the highest pressure of 40bar

Rotor profile: SKY Generation II patent rotor profile, with high pressure and large discharge quantity and the highest efficiency

Two-stage compression: Flexible design corresponds to the lift valve, with global patent for invention

Heavy-type design, SKF bearing, direct connection for driving and with no gear noise

The optimal structure and the highest reliability

Double working operation switching design, for example: The user can select to operate it under 33 cubes and 25bar working condition, and also can select to operate it under 25 cubes and 35bar working condition, which are switched mutually conveniently and quickly.

3. Heavy electronic injection diesel engine

Speed regulation system of fuel: Electronic control high pressure common rail.

Matched with Commins and Yuchai brand heavy electronic injection diesel engine. According to load situation, electronically and accurately control the fuel-injection quantity, and achieve optimal combustion state during whole operation range of the engine. The product has higher reliability, stronger power and the more superior fuel economy.

4. Standard configuration

SKY2-40 patent compression main engine

Heavy electronic injection engine

Compressor controller

Mute cover

Environmental fully-closed chassis

Heavy air filter

High-capacity fuel tank

5. Optional configuration

Double mode compression main engine

Diesel engine

Aftercooler

Steam-water separator and drain valve

Fuelheating system

Remote monitoring system



LGCY Series Two Stage High Pressure Screw Air Compressor Specificatio

Model	Working Pressure		Capacity		Diesel Engine	Weight kgs	Dimensions (L*W*H)mm
	bar	Psi	m ³ /min	cfm			
LGCY-550/14TK	14	203	16	550	Cummins 180HP	2800	3600*1600*2220
LGCY-550/14T	14	203	16	550	Yuchai 190HP	2800	3600*1600*2220
LGCY-12/15T	15	218	12	424	Yuchai 160HP	2800	3600*1600*2220
LGCY-15/16T	16	232	15	530	Yuchai 190HP	2800	3600*1600*2220
LGCY-15/16TK	16	232	15	530	Cummins 180HP	2800	3600*1600*2220
LGCY-17/17T	17	247	17	600	Yuchai 220HP	3700	3980*1800*2230
LGCY-17/17TK	17	247	17	600	Cummins 210HP	3700	3980*1800*2230
LGCY-650/18TK	18	261	18.5	650	Cummins 260HP	3700	3980*1800*2230
LGCY-650/18T	18	261	18.5	650	YuChai 260HP	3700	3980*1800*2230
LGCY-18/20T	20	290	18	636	Yuchai 260HP	4850	460*1950*2850
LGCY-18/20TK	20	290	18	636	Cummins 260HP	4850	460*1950*2850
LGCY-19.5/19	19	276	19.5	689	Cummins 6CTA8.3-C260	3700	3980*1800*2450
LGCY-19.5/19A	19	276	19.5	689	YuChai YC6M260L-K20	3700	3980*1800*2450
LGCY-22/20	20	290	22	777	Cummins 6CTA8.9-C360	4850	4600*1950*2850
LGCY-22/20	20	290	22	777	YuChai YC6M340L-K20	4850	4600*1950*2850
LGCY-26/25	25	363	26	918	Cummins QSZ13-C550	5000	4600*1950*2600
LGCY-26/25A	25	363	26	918	YuChai YC6K500L	5000	4600*1950*2600
LGCY-33/25	25	363	33	1165	Cummins QSZ13-C550	6800	4700*2100*2600
LGCY-33/25A	25	363	33	1165	YuChai YC6K550L	6800	4700*2100*2850
LGCY-26/35	35	508	26	918	Cummins QSZ13-C550	6800	4700*2100*2850
LGCY-26/35A	35	508	26	918	YuChai YC6K550L	6800	4700*2100*2850
LGCY-39/25	25	363	39	1377	Cummins KTA19-P700,700HP	6800	4700*2100*2850

LGCY-39/25A	25	363	39	1377	Caterpillar C-18ACERT	6800	4700*2100*2850
LGCY-33/35	35	508	33	1165	Cummins KTA19-P700,/700HP	6800	4700*2100*2850
LGCY-33/35A	35	508	33	1165	Caterpillar C-18ACERT	6800	4700*2100*2850
LGCQ-43/25-35/35	25/35	363/508	43/35	1519/1236	Volvo 760HP	7000	4800*2100*2850
LGCQ-33/25-26/35	25/35	363/508	33/26	1165/918	Cummins QSZ13-C550	6700	4700*2100*2450
LGCQ-33/25-26/35	25/35	363/508	33/26	1165/918	Cummins QSZ13-C550	6700	4700*2100*2450

KSCY series diesel portable screw air compressor

Model	Capacity (F.A.D)		Working Pressure		Diesel Engine	Weight kg	Size (L*W*H)mm
	m ³ /min	cfm	bar	Psi			
KSCY-220/8	6.3	360	13	189	XiChai 75HP	2380	3200*1760*1785
KSCY-330/8	9.5	330	8	116	YuChai 120HP	1550	3240*1760*1785
KSCY-425/10	12	425	10	145	YuChai 160HP	1880	3300*1880*2100
KSCY-400/14.5	11	400	14.5	210	YuChai 160HP	1880	3300*1880*2100
KSCY-400/14.5K	11	400	14.5	210	Cummins 160HP	1880	3300*1880*2100
KSCY-550/13	15	550	13	189	YuChai 180HP	2400	3400*1900*2200
KSCY-550/14.5	15	550	14.5	210	YuChai 180HP	2400	3400*1900*2200
KSCY-550/14.5K	15	550	14.5	210	Cummins 180HP	2400	3400*1900*2200
KSCY-560/15	16	560	15	218	YuChai 220HP	2600	3400*1900*2200
KSCY-580/17	17	580	17	247	Yuchai 260HP	3200	3600*1800*2450
KSCY-580/17K	17	580	17	247	Cummins 260HP	3200	3600*1800*2450
KSCY-680/14.5	19	680	14.5	210	Cummins 260HP	3200	3600*1800*2450
KSCY-750/20	21.2	750	20	290	Yuchai 310HP	3500	3600*1900*2450



KSZJ Series Diesel Engine Stationary Screw Air Compressor Specification

Model	Capacity (F.A.D)		Working Pressure		Diesel Engine	Weight kg	Size (L*W*H)mm
	m ³ /min	cfm	bar	Psi			
KSZJ-15/14.5	15	530	14.5	210	Yuchai 190HP	2100	2600*1520*1800
KSZJ-18/17	18	636	17	247	YuChai 260HP	2700	3000*1800*2000
KSZJ-29/23G	29	1024	23	334	YuChai 400HP	4050	3500*1950*2030
KSZJ-31/25-34/17	31	1095	25	363	YuChai 550HP	4500	3500*2100*2200
KSZJ-1100/25-1250/18	/35	1100/1250	25/18	363/261	YuChai 400HP	4100	3500*1950*2030
KSZJ-35/30-38/25	35/38	1236/1342	30/25	435/363	Cummins 550HP	5400	3500*2160*2500
LGZJ-31/25-35/18	31/35	1095/1100	25/18	363/261	YuChai 400HP	4500	3500*2100*2200
LGZJ-37/25-41/17	37/41	1307/1448	25/17	363/247	YuChai 560HP	5500	3500*2160*2500
LGZJ-36/30-41/20	36/41	1271/1448	30/20	435/290	YuChai 560HP	5500	3500*2160*2500

Remark: The diesel engine have been upgraded from 2019, Diesel engine models are just only for reference.