

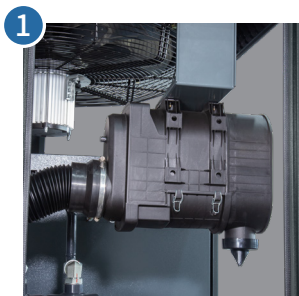


A Global Leader in Air Compressor Manufacturing



GD Series Screw Air Compressors
37-315KW/7-13bar(g)

Heavy-Duty Air Filter



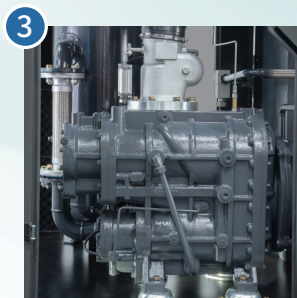
- Efficiently removes dust and particulate contaminants from the intake air
- Extends airend service life
- Reduces the risk of rotor wear
- High-capacity design extends service intervals

IP66 Ultra-High-Protection Motor



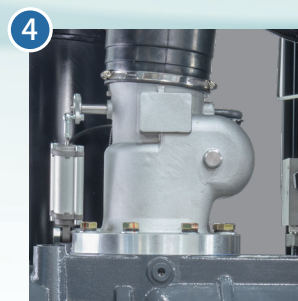
- IP66 dust and moisture protection
- IE5+ ultra-premium efficiency
- Rare-earth permanent-magnet motor
- Efficient operation in harsh conditions

Near-Isothermal Two-Stage Airend

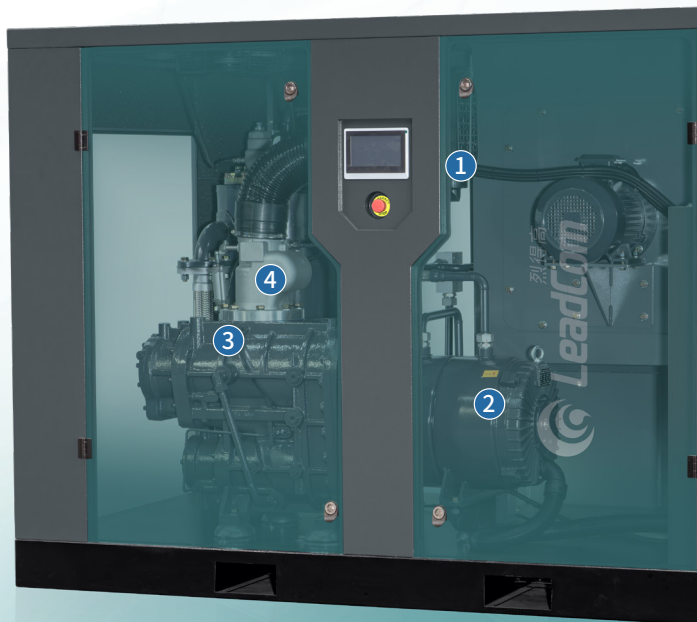


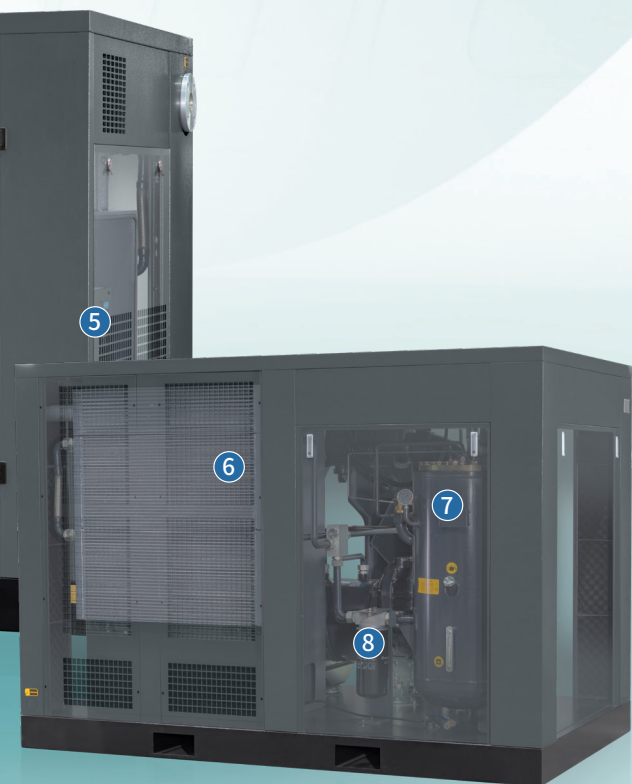
- Over 15% energy savings
- Efficient interstage cooling
- Stable low-speed operation
- Longer life, less vibration and noise

Inlet Control Valve



- Precisely controls intake airflow
- Reduces off-load energy consumption
- Improves system response speed
- Supports reliable long-term operation





Oil Filter



- Efficiently removes contaminants from the lubricant
- Protects airend bearings and the rotor system
- Extends lubricant service life
- Reduces maintenance costs

Air-Oil Separator



- Multi-stage air-oil separation
- Reduces oil carryover in the discharge air
- Reduces lubricant consumption
- Improves compressed-air cleanliness

Oil Cooler & Air Aftercooler

Variable Frequency Drive



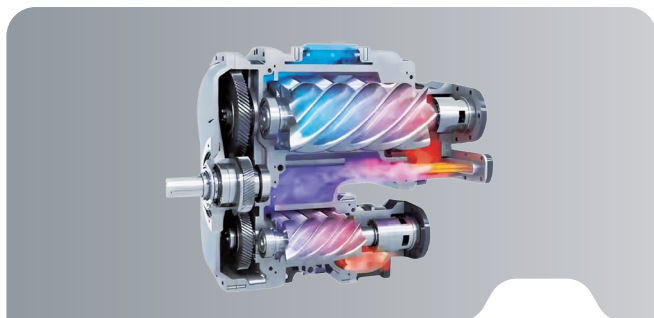
- Continuously adjusts speed to actual air demand
- Prevents energy waste during unloaded operation
- Reduces start-up inrush current
- Maintains stable system pressure and improves productivity



- Oil cooler: cools the lubricant, lowers oil temperature, and ensures effective airend lubrication
- Air aftercooler: cools the compressed air, lowers discharge temperature, and reduces the load on downstream air-treatment equipment

GD Series Core Technologies

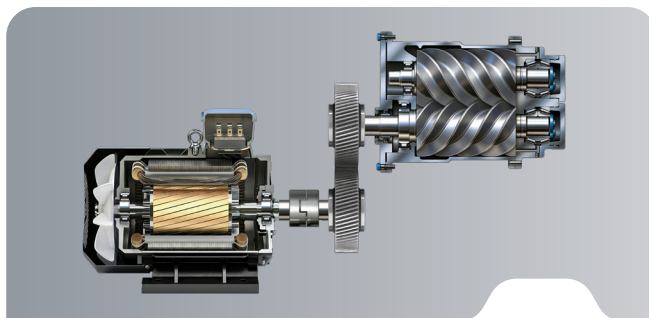
01 Near-Isothermal Two-Stage Aired



Two-Stage Compression with Intercooling

Near-isothermal compression minimizes heat loss, delivering 10%-20% higher Free Air Delivery and 8%-15% lower specific power.

02 High-Performance Drive System



IE5+ high-efficiency drive system

The GD Series uses a rare-earth permanent-magnet motor with IP66 protection and a bearing-free, coupling-free drive design. Mechanical losses are reduced, saving 5%-10% energy and lowering operating costs. Fewer wear parts, including bearings and shaft seals, further reduce maintenance costs while delivering excellent stability and extended service life - ideal for demanding industrial environments.

Free Air Delivery • **10%–20% Higher**

Specific Power • **8%–15% Lower**

Mechanical-Loss Reduction • **5%–10% Energy Savings**



High-performance NdFeB permanent magnets: Resists magnet demagnetization at 140 °C (air-cooled) or 180 °C (oil-cooled); service life over 15 YEARS



Proprietary screw rotor profile for higher compression efficiency and more stable operation



Average energy savings of 35%–50% under fluctuating air demand



Lower system operating pressure for greater constant-pressure energy savings



No energy waste during unloaded operation

03 Hydrophobic Intake Filtration



3-Micron Hydrophobic Filtration



The GD Series uses an ultra-fine, hydrophobic filter to remove dust, oil mist, and moisture droplets from the intake air. Its water-repellent surface prevents clogging and maintains reliable filtration in humid environments. With 3-micron filtration, it protects the compressor and downstream equipment, extends filter life, and reduces maintenance.

Filtration Rating • 3μm

04 Volute-Free Fan for Reliable Cooling



High Pressure Airflow for Reliable Oil Cooling

Compared with a conventional scroll-housing fan, the volute-free centrifugal fan delivers higher air pressure and stronger airflow penetration. Even when the cooler is dusty or partially blocked, it maintains effective airflow to prevent a sharp drop in cooling performance and keep oil temperature under control. For the same heat-rejection capacity, a smaller cooler face area can be used, saving enclosure space. The enclosed impeller design is compact and operates more quietly.

**Higher Air Pressure
Faster Heat Dissipation
Lower Noise**



Premium efficiency and outstanding performance from a world-class brand



Oil-cooled permanent-magnet variable-frequency motor with IE5+ efficiency



Wide AC input-voltage range to prevent nuisance compressor trips



Pressure-based modulation of air delivery



Stable operation in ambient temperatures above 50 °C

GD Series Specifications



Model	Power (kW)	Max. Pressure		FAD		Outlet	Dimensions	Net Weight
		bar(g)	psig	m³/min	cfm	DN/inch	mm	kg
GD37	37	7	101.5	7.7	271.9	G1 1/2"	2000*1150*1360	920
		7.5	108.8	7.5	264.9			
		8	116.0	7.3	257.8			
		8.5	123.3	7.1	250.7			
		10	145.0	6.4	226.0			
		10.5	152.3	6.3	222.5			
		12	174.0	5.6	197.8			
		13	188.5	5.3	187.2			
GD55	55	7	101.5	12.8	452.0	DN65	2400*1450*1700	1730
		7.5	108.8	12.4	437.9			
		8	116.0	12.0	423.8			
		8.5	123.3	11.7	413.2			
		10	145.0	10.5	370.8			
		10.5	152.3	10.1	356.7			
		12	174.0	9.3	328.4			
		13	188.5	8.8	310.8			
GD75	75	7	101.5	16.4	579.2	DN65	2400*1450*1700	1810
		7.5	108.8	16.1	568.6			
		8	116.0	15.6	550.9			
		8.5	123.3	14.9	526.2			
		10	145.0	13.1	462.6			
		10.5	152.3	12.9	455.6			
		12	174.0	11.8	416.7			
		13	188.5	11.2	395.5			
GD90	90	7	101.5	19.1	674.5	DN80	2930*1700*1965	2120
		7.5	108.8	18.7	660.4			
		8	116.0	18.5	653.3			
		8.5	123.3	17.8	628.6			
		10	145.0	15.9	561.5			
		10.5	152.3	15.5	547.4			
		12	174.0	13.9	490.9			
		13	188.5	13.3	469.7			
GD110	110	7	101.5	23.2	819.3	DN80	2930*1700*1965	2280
		7.5	108.8	22.6	798.1			
		8	116.0	22.0	776.9			
		8.5	123.3	21.3	752.2			
		10	145.0	19.2	678.0			
		10.5	152.3	18.5	653.3			
		12	174.0	16.7	589.8			
		13	188.5	16.0	565.0			
GD132	132	7	101.5	28.7	1013.5	DN80	2930*1700*1965	2360
		7.5	108.8	27.6	974.7			
		8	116.0	26.4	932.3			
		8.5	123.3	25.6	904.1			
		10	145.0	25.1	886.4			
		10.5	152.3	24.6	868.7			
		12	174.0	20.6	727.5			
		13	188.5	19.5	688.6			
GD160	160	7	101.5	33.1	1168.9	DN80	3380*1880*2150	3750
		7.5	108.8	32	1130.1			
		8	116.0	31.2	1101.8			
		8.5	123.3	30.2	1066.5			
		10	145.0	27.9	985.3			
		10.5	152.3	27.4	967.6			
		12	174.0	25.3	893.5			
		13	188.5	23.7	837.0			
GD185	185	7	101.5	36.8	1299.6	DN80	3380*1880*2150	3800
		7.5	108.8	36.2	1278.4			
		8	116.0	35.5	1253.7			
		8.5	123.3	34.1	1204.2			
		10	145.0	31.5	1112.4			
		10.5	152.3	30.6	1080.6			
		12	174.0	28.2	995.9			
		13	188.5	27.1	957.0			
GD200	200	7	101.5	41.1	1451.4	DN125	3750*2080*2220	5600
		7.5	108.8	40.5	1430.2			
		8	116	40	1412.6			
		8.5	123.3	37.9	1338.4			
		10	145	34.6	1221.9			
		10.5	152.3	33.5	1183			
		12	174	31.4	1108.9			
		13	188.5	30.2	1066.5			
GD220	220	7	101.5	46.2	1631.5	DN125	3750*2080*2220	5700
		7.5	108.8	45.5	1606.8			
		8	116.0	45	1589.2			
		8.5	123.3	42.4	1497.3			
		10	145.0	38.6	1363.1			
		10.5	152.3	37.7	1331.4			
		12	174.0	35.2	1243.1			
		13	188.5	33.9	1197.2			
GD250	250	7	101.5	52.4	1850.5	DN125	3750*2080*2220	6000
		7.5	108.8	51.6	1822.2			
		8	116.0	50.6	1786.9			
		8.5	123.3	48.9	1726.9			
		10	145.0	45.0	1589.2			
		10.5	152.3	43.6	1539.7			
		12	174.0	39.5	1394.9			
		13	188.5	37.1	1310.2			
GD315	315	7	101.5	64.7	2284.9	DN125	4300*2300*2380	7200
		7.5	108.8	63.3	2235.4			
		8	116.0	61.9	2186.0			
		8.5	123.3	60.6	2140.1			
		10	145.0	55.2	1949.4			
		10.5	152.3	53.0	1871.7			
		12	174.0	48.7	1719.8			
		13	188.5	44.9	1585.6			

After-Sales Support in 90+ countries

Serving customers in more than 90 countries and regions worldwide, LeadCom provides installation guidance, technical support, spare parts supply, and maintenance services. Optional warranties of up to five years help ensure reliable long-term operation.



LeadCom specializes in complete industrial compressed air and gas solutions, covering screw compressors, nitrogen/oxygen generators, vacuum pumps, and high-efficiency blowers. ISO 9001 certified, the company leverages advanced engineering to supply reliable, energy-efficient solutions to customers globally. LeadCom compressors have been fully proven on both the Qinghai-Tibet and Sichuan-Tibet Railway projects, delivering stable performance under extreme high altitude, severe temperature swings, and heavy dust environments.

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