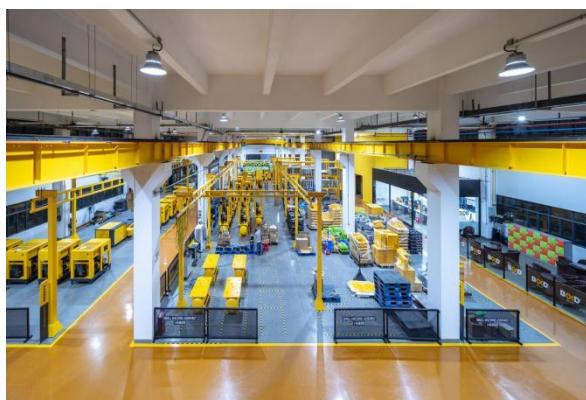


## GROUP PROFILE



“Guangdong Baldor Holding Group” was founded in 1999. After more than 20 years of innovation development, which has formed a "1+3+N" industrial system with air compressor research, production and marketing as the core industry, integrating commercial investment, energy services and industrial digital services.

Baldor seizes the new development opportunities of digital intelligence and dual-carbon goals, continuously deepens the strategy of "B&D cloud and two networks", uses "B&D Cloud" as the smart technology and data application carrier, takes the lead in building industrial IOT and energy IOT platforms, and becomes an innovator, explorer, and practitioner of green industrial energy conservation. By leveraging the service capabilities of the "Green Source, Intelligent Network, Load Reduction, and New Storage" system, we aim to create a platform based enterprise that provides one-stop digital intelligent industrial energy conservation solutions for public institutions, industrial parks, and end users, achieving energy conservation, carbon reduction, and accelerating energy transformation.



## One-stop Digital Industrial Energy-saving Solutions

### Energy Conservation Solution of Compressed Air

### Digital Energy Service

#### Energy System

#### Energy Service



Digital Integrated Energy Management Platform

Class 1 Energy Efficiency  
Digital Intelligent Air Compressor Station

High-efficient Refrigeration Room System

Energy Saving Boiler System

Photovoltaic, Energy Storage, Charging Pile System

Research and Development of Emerging Energy Technology

Energy Planning and Technical Consulting

Energy Saving Transformation and Management/  
R&D and Application of Waste Heat Utilization

Comprehensive Utilization  
of Multi-energy and Complementary Energy

Investment Construction and Operation of Energy Project

Energy Service (Contract Energy Management,  
Energy Custody, Full Station Package)

Energy Investment and Financing Service

## Powerful R&D Strength



### Energy Saving Product R&D Team

The team has more than 10 years of experience in the industry, covering oil spraying and oil-free new product research and development, technology improvement and product experimentation.

### R&D and manufacturing strength of core components

Total annual R&D expenditures as a percentage of revenues: more than 10%

### A number of independent invention patents

One of the companies with energy efficiency laboratories and R&D testing, with a number of technology patents.

### Participated in the drafting and formulation of a number of national and industry technical standards

## Technical Data Sheet of DM250/7Bar

NO	ITEM	UNIT	PARAMETER
※1	Rated Flow Rate	m <sup>3</sup> /min	46
2	Ambient temperature	°C	2~45
3	Maximum exhaust pressure	MPa (g)	0.75
4	Cooling method		Water cooled
※5	Exhaust temperature	°C	Ambient temperature +12K
6	Power supply	V/Hz	3ph/400/60
7	Rated power of main motor	Kw	250
※8	Unit noise	dB(A)	83
9	Control mode	/	PLC/ON-OFF
10	Installation position	/	Indoor
11	Unit shape (L×W×H)	mm	3950/1850/2100
12	Unit weight	kg	5800
13	Air outlet diameter	/	DN100
Motor parameter			
1	ITEM	UNIT	PARAMETER
2	Rated Power	KW	250
3	Rated Voltage	V	400
4	Rated current	A	435
5	Rated frequency	Hz	60
6	Rated speed	rpm	1500
7	Protection grade		IP55
8	Insulation grade		F
9	Efficiency	%	95.6
10	Weight	kg	actual measurement

## Component Details of DM250/7Bar

No.	ITEM	MODEL	BRAND
1	Airend	CD26D	GHH
2	Oil pump assembly	/	BALDOR
3	Motor	B35, IP55, F (B) , 250kw	BALDOR
4	Controller	PLC	SIEMENS/INVT
5	Air Filter Assembly	/	DONALDSON
6	Transmission Assembly	/	KTR
7	Oil Filter	1.07.002.0102	MANN+HUMMEL
8	Multi-function air intake control valve	/	BALDOR
9	Silencer assembly	/	BALDOR
10	Various buffer expansion joints	/	BALDOR
11	Check valves	/	BALDOR
12	Inter-cooler	/	BALDOR
13	After-cooler	/	BALDOR
14	Oil cooler	/	BALDOR
15	Venturi	/	BALDOR
16	Safety valves	/	AFS
17	Temperature sensors	1.16.002.0016	DANFOSS/JUMO
18	Pressure sensors	1.16.001.0015	DANFOSS/JUMO
19	Gear oil	1.98.015.0006	BALDOR
20	Base plate	/	BALDOR
21	AC Contactor	/	ABB/SIEMENS
22	Inverter	/	INVT/INOVANCE

Baldor is awarded the international standard of ISO 8573.

## Class 0 100% oil-free certification.

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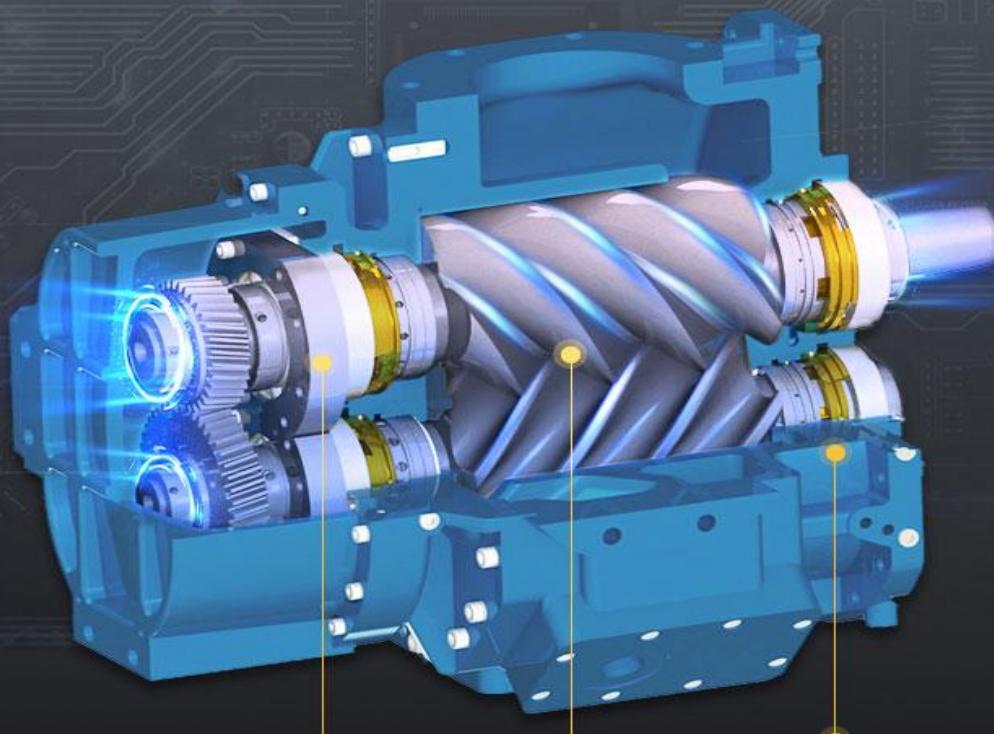


100% certified oil-free air.



# 100% oil-free compression high-efficiency precision rotor.

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Rolling bearing

Floating oil seal and air seal

Rotor coating design

Endless lifespan  
**AGMA Q13**

Synchronous gear  
**DIN 5**

# Innovative Baldor Intelligent Manufacturing.

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NO.1 ▼

## Slient Fan

- (1) Rapid cooling and efficient water diversion.
- (2) Fastening design with noiseless.
- (3) Ensure the normal operation and long lifespan of electrical components.
- (4) Air cooled model:centrifugal fan.

NO.2 ▼

## Precision Pipeline

- (1) Multiple seals, no leakage.
- (2) High quality material selection, including stainless steel pipeline, long lifespan.
- (3) Easy maintenance.





NO.3 ▼

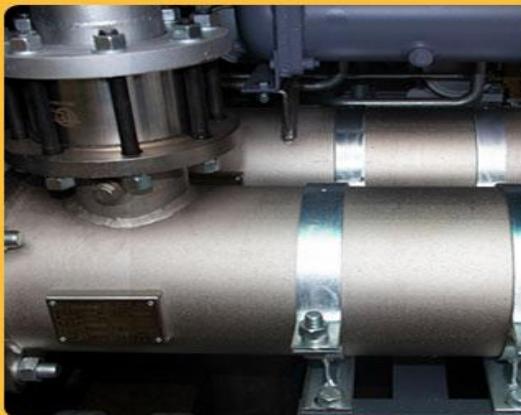
**Shock-absorption Design.**

- (1) High quality hardware accessories, precision steel forging.
- (2) Safe and durable, check valve with elastic expansion joint.
- (3) Precision steel casting, non corrosive.
- (4) Prevent compressed air backflow during unloading or shutdown.
- (5) Low pressure drop, reliable performance of the springs.

NO.4 ▼

**Perfect Design in Details Makes Our Quality the Best.**

High quality material, better experience.



NO.5 ▼

**Cooler**

- (1) Intercooler: energy consumption, limiting the inlet temperature of high-pressure rotors to improve compression efficiency.
- (2) After cooler: limit air outlet temperature of the air compressor.

Improve the performance of the air dryer, with high-quality stainless steel tube bundles and tube sheets.

Fully automatic welding with non-corrosive, 100% leakage test.



NO.6 ▼

**Advanced Drive System.**

- (1) Use to drive gears and rotors to rotate.
- (2) The highest energy efficiency, 2-3% higher than the motors of the same type.
- (3) Class F insulation for class B temperature rise.
- (4) Protection Level.

Low voltage motor: IP55/TEFC protection level, medium voltage motor: IP23 or IP55 protection level.

# About B&D

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