



NINGBO BINWEI ENERGY EQUIPMENT CO., LTD.

No. 66 Nanfang Road, Gulin Town, Haishu District, Ningbo, Zhejiang, China

Mobile / WhatsApp: +86 130 0373 1109

Service Hotline: 400-0574-900

Email: pele04068@gmail.com



DIGITAL INTELLIGENT SCREW AIR COMPRESSORS

BOSAN COMPRESSED AIR SYSTEMS · 2026 EDITION

BOSAN

Building a Chinese Intelligent Air Compressor Brand

Engineering-led compressor solutions for efficient, stable and serviceable industrial compressed-air systems.

01	Company Profile
03	Development History
05	Quality and Innovation
07	Compressor Technology
11	Applications
13	Product Series
27	Service and Support

COMPANY

Ningbo Binwei Energy Equipment Co., Ltd.

Established in 2018 as an independent subsidiary of Zhejiang Shanhai Group, Ningbo Binwei Energy Equipment Co., Ltd. focuses on the research, development, production and sales of screw air compressors and integrated compressed-air solutions. BOSAN is the company's brand for industrial markets, covering two-stage compression, oil-cooled PM technology, laser-cutting packages and energy-saving PM screw compressors.



OUR DIRECTION

Mission, Vision and Values

1

MISSION

Energy efficiency creates value.

2

VISION

Build a trusted intelligent air-compressor brand.

3

QUALITY

Quality is the foundation; strength is the proof.

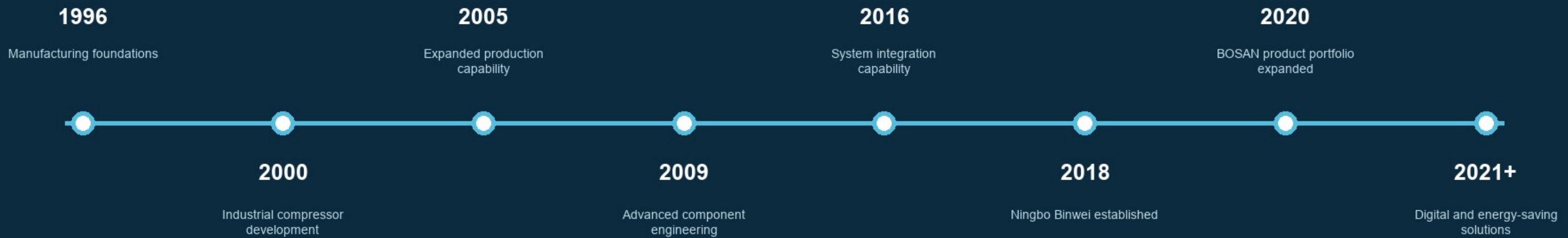
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RESPONSIBILITY

Serve customers with stable products and accountable support.

MILESTONES

From Manufacturing Experience to BOSAN



QUALITY

Quality Is the Foundation, Strength Is the Proof

1

Incoming Inspection

Key components are checked against approved specifications.

2

Process Control

Assembly and routing checkpoints are built into production.

3

Performance Verification

Pressure, flow, temperature and operating stability are verified before delivery.

4

Traceable Delivery

Inspection, packing and shipment records support project handover.

Certificates and patent documents can be supplied for applicable products and target markets upon request.

PRODUCT

Horizontal Two-stage PM Screw Air Compressor



High-efficiency compression · Stable discharge · Service-oriented layout



Intelligent Controller

Clear operating data and protection logic.



Cooling System

Thermal management for stable continuous operation.



Two-stage Air End

Optimized compression stages for efficiency and reliability.

CONNECTED SERVICE

BOSAN IoT Cloud Management Platform



Remote operating data, alarm information and maintenance records help service teams understand equipment condition and respond efficiently. Connectivity depends on the project configuration and local network availability.

EFFICIENCY

Match Air Supply to Real Demand

1

Variable-speed Control

Adjusts motor speed to changing air demand.

2

Reduced Unload Losses

Helps avoid unnecessary power consumption during demand fluctuations.

3

System Visibility

Operating data supports energy reviews and maintenance planning.

Illustrative Energy-efficiency Comparison

Rated Power	Discharge Pressure	Measured Value	Specific Power (kWh/m3)			4,000 Loaded Hours	
kW	bar	Energy-effi Value	Grade 1	Grade 2	Grade 3	Savings vs Grade 2	Savings vs Grade
15	7	0.108	0.120	0.130	0.145	11400	16800
22	7	0.104	0.113	0.122	0.135	12760	20152
37	7	0.101	0.108	0.117	0.130	19388	32560

INDUSTRIES

Compressed-air Solutions for Diverse Applications



Automotive Manufacturing



Laser Cutting



Pharmaceutical Production



Food Processing



Textile Manufacturing



Water Treatment

BDS SERIES

Two-stage PM Screw Air Compressor



Stable performance · Efficient operation · Serviceable design

BDS Series Technical Specifications

Model	Rated Power	Pressure (MPa)	FAD (m3/min)	Dimensions L x W x H (mm)	Weight (kg)	Noise dB(A)	Lubricant (L)	Outlet Connection
BDS-10	7.5	0.8	1.2	900x700x880	190	66±2	10	G3/4
		1.0	1.0					
		1.3	0.8					
BDS-20	15	0.8	2.7	1080x770x1060	350	68±2	15	G1
		1.0	2.3					
		1.3	2.0					
BDS-30	22	0.8	4.0	1220x900x1190	450	70±2	18	G1
		1.0	3.5					
		1.3	2.9					
BDS-40	30	0.8	5.4	1220x900x1190	490	70±2	18	G1
		1.0	4.7					
		1.3	4.0					
BDS-50	37	0.8	6.8	1390x1050x1290	650	72±2	30	G1 1/2
		1.0	5.9					
		1.3	5.0					
BDS-60	45	0.8	9.0	1800x1250x1600	960	75±2	50	G2
		1.0	7.9					
		1.3	6.7					
BDS-75	55	0.8	11.5	1800x1250x1600	1150	75±2	50	G2
		1.0	10.0					
		1.3	8.5					
BDS-100	75	0.8	15.5	2000x1350x1550	1820	78±2	68	G2
		1.0	13.5					
		1.3	11.5					
BDS-120	90	0.8	18.0	2000x1350x1550	1960	82±2	68	DN65
		1.0	15.7					
		1.3	13.3					
BDS-150	110	0.8	21.0	2000x1350x1550	2100	82±2	80	DN65
		1.0	18.4					
		1.3	15.5					

Two-stage PM Screw Air Compressor



Stable performance · Efficient operation · Serviceable design

BLD Series Technical Specifications								
Model	Rated Power	Pressure (MPa)	FAD (m3/min)	Dimensions L x W x H (mm)	Weight (kg)	Noise dB(A)	Lubricant (L)	Outlet Connection
BLD50T-PM□	37	0.8	7.0	1900x1140x1400	1000	70±2	35	G1 1/2
		1.0	6.1					
		1.3	5.2					
BLD60T-PM□	45	0.8	9.0	1900x1140x1400	1160	72±2	40	G1 1/2
		1.0	7.9					
		1.3	6.7					
BLD75T-PM□	55	0.8	11.5	2000x1350x1550	1900	75±2	68	G2
		1.0	10.0					
		1.3	8.5					
BLD100T-PM□	75	0.8	15.5	2000x1350x1550	1980	78±2	68	G2
		1.0	13.5					
		1.3	11.5					
BLD120-PM□	90	0.8	18.5	2900x1850x1850	3200	82±2	108	DN65
		1.0	16.2					
		1.3	13.7					
BLD150-PM□	110	0.8	21.5	2900x1850x1850	3500	82±2	108	DN65
		1.0	18.9					
		1.3	15.9					
BLD175-PM□	132	0.8	24.5	2900x1850x1850	3600	82±2	108	DN65
		1.0	21.5					
		1.3	18.2					
BLD220-PM□	160	0.8	31.0	3450x1880x2120	4000	85±2	160	DN80
		1.0	27.2					
		1.3	22.9					
BLD250-PM□	185	0.8	35.5	3450x1880x2120	4050	85±2	185	DN80
		1.0	31.0					
		1.3	26.2					
BLD270-PM□	200	0.8	40.0	3820x1980x2210	5600	85±2	195	DN125
		1.0	35.0					
		1.3	29.6					

LASER CUTTING

Screw Air Compressor for Laser Cutting



LASER CUTTING

Integrated Air Compressor Package for Laser Cutting



Technical Specifications								
Model	Rated Power (kW)	Pressure (MPa)	FAD (m3/min)	Dimensions L x W x H (mm)	Weight (kg)	Noise dB(A)	Lubricant (L)	Outlet Connection
BES-20H	15	1.6	1.2	900x750x1120	245	70±2	11	G1
BES-30H	22	1.6	1.9	1000x850x1220	330	72±2	15	G1
BES-40H	30	1.6	2.4	1000x850x1220	350	72±2	16	G1
BES-50H	37	1.6	3.0	1150x1000x1400	470	75±2	25	G1
BES-20H-20	15	2.0	1.1	960x750x1120	250	70±2	11	G3/4
BES-30H-20	22	2.0	1.6	1000x850x1220	320	72±2	15	G1

Technical Specifications								
Model	Rated Power (kW)	Pressure (MPa)	FAD (m3/min)	Dimensions L x W x H (mm)	Weight (kg)	Noise dB(A)	Lubricant (L)	Outlet Connection
BES-20HY	15	1.6	1.2	1850x800x1680	400	70±2	11	G1
BES-30HY	22	1.6	1.9	1950x900x1700	600	72±2	15	G1
BES-40HY	30	1.6	2.4	2100x1000x1700	670	72±2	16	G1
BES-50HY	37	1.6	3.0	2300x1000x1960	850	75±2	25	G1
BES-20HY-20	15	2.0	1.1	1870x770x1730	410	70±2	11	G3/4
BES-30HY-20	22	2.0	1.6	2250x850x1870	580	72±2	15	G1

BTS SERIES

Oil-cooled PM Screw Air Compressor



Stable performance · Efficient operation · Serviceable design

BTS Series Technical Specifications

Model	Rated Power (kW)	Pressure (MPa)	FAD (m3/min)	Dimensions L x W x H (mm)	Weight (kg)	Noise dB(A)	Lubricant (L)	Outlet Connection
BTS-20	15	0.8	2.4	900x750x1120	245	70±2	15	G1
		1.0	2.1					
		1.3	1.8					
BTS-30	22	0.8	3.7	1000x850x1220	330	72±2	18	G1
		1.0	3.3					
		1.3	2.8					
BTS-50	37	0.8	6.5	1150x1000x1400	470	72±2	30	G1 1/2
		1.0	5.7					
		1.3	4.6					
BTS-60	45	0.8	7.5	1800x1280x1670	970	78±2	49	G2
		1.0	6.5					
		1.3	5.5					
BTS-75	55	0.8	9.9	1800x1280x1670	1020	78±2	50	G2
		1.0	8.6					
		1.3	7.3					
BTS-100	75	0.8	11.0	1800x1280x1670	1130	78±2	50	G2
		1.0	9.7					
		1.3	8.2					

BES SERIES

Energy-saving PM Screw Air Compressor



Stable performance · Efficient operation · Serviceable design

BES Series Technical Specifications

Model	Rated Power (kW)	Pressure (MPa)	FAD (m ³ /min)	Dimensions L x W x H (mm)	Weight (kg)	Noise dB(A)	Lubricant (L)	Outlet Connection
BES-10	7.5	0.8	1.0	900x700x880	170	68±2	6	G1/2
		1.0	0.8					
		1.3	0.7					
BES-15	11	0.8	1.8	900x750x1120	230	70±2	11	G3/4
		1.0	1.5					
		1.3	1.3					
BES-20	15	0.8	2.2	900x750x1120	240	70±2	11	G3/4
		1.0	1.9					
		1.3	1.7					
BES-25	18.5	0.8	3.2	1000x850x1220	320	72±2	15	G1
		1.0	2.8					
		1.3	2.3					
BES-30	22	0.8	3.6	1000x850x1220	320	72±2	15	G1
		1.0	3.2					
		1.3	2.7					
BES-40	30	0.8	5.0	1000x850x1220	350	72±2	16	G1
		1.0	4.7					
		1.3	4.0					
BES-50	37	0.8	6.3	1150x1000x1400	462	72±2	25	G1 1/2
		1.0	5.6					
		1.3	4.5					
BES-60	45	0.8	7.3	1250x1000x1510	507	72±2	25	G1 1/2
		1.0	6.3					
		1.3	5.4					
BES-75	55	0.8	9.2	1800x1280x1670	1020	78±2	47	G2
		1.0	8.1					
		1.3	7.0					
BES-100	75	0.8	12.0	1800x1280x1670	1130	78±2	49	G2
		1.0	10.5					
		1.3	9.0					
BES-120	90	0.8	15.0	1900x1250x1810	1290	82±2	63	G2 1/2
		1.0	13.1					
		1.3	11.2					
BES-150	110	0.8	19.0	2300x1470x1840	1970	82±2	80	G2 1/2
		1.0	16.7					
		1.3	14.1					
BES-175	132	0.8	21.5	2300x1470x 1840	2010	82±2	80	G2 1/2
		1.0	18.9					
		1.3	16.0					

GLOBAL SUPPORT

Responsive Service for Every Project Stage

1

Pre-sales Support

Application review, product selection and proposal support.

2

Professional Team

Technical communication for installation, operation and maintenance.

3

Quality Commitment

Project documentation and service records for long-term cooperation.

CONTACT BOSAN

Ningbo Binwei Energy Equipment Co., Ltd. | Mobile / WhatsApp: +86 130 0373 1109 | Email: pele04068@gmail.com
No. 66 Nanfang Road, Gulin Town, Haishu District, Ningbo, Zhejiang, China