

Shanghai Hanbell Precise Machinery Co.,Ltd.(Fengjing Factory)  
Add: No.8289,Tingfeng Road,Fengjing Area,Jinshan District,Shanghai  
Tel: 021-57350280

Shanghai Hanbell Precise Machinery Co.,Ltd.(Xingta Factory)  
Add: No.108,Jiangong Road,Fengjing Area,Jinshan District,Shanghai  
Tel: 021-57350280

Hermes Viet Nam Machinery Company  
Add: Block 28-30-32, 11 Street, Tan Duc Industrial Park, Huu Thanh Commune,  
Duc Hoa District , Long An Province, Viet Nam.  
Tel: (+84-0272) 3769688  
Fax: (+84-0272) 3769690

Hanbell Junggi Korea  
Add: 1F,36,3-gil,Baekseok-gongdan,Seobuk-gu, Cheonan-si,Chungcheongnam-do,Korea  
Tel: +82-41-5625888  
Fax: +82-41-5625887

Honesty . Innovation . Excellent



Version No.: SHB-D-C-23-A



Stock code:002158

## Quality Paradigm

Energy saving/High efficiency/Safety

# D Series Two-Stage Screw Air Compressor

Extraordinary Achievement

www.hanbell.com.cn





HANBELL SHANGHAI

## About Us

Shanghai Hanbell Precision Machinery Co., Ltd. is a professional manufacturing factory for screw compressors and related products. We are continuously advancing in the fields of air conditioning, refrigeration, compressed air, vacuum pumps, etc.

Hanbell has well-trained production team, experienced service personnel and professional R & D personnel who constantly creates new products to service customers in the industry. After years of development, Hanbell has become a well-known manufacturer in the word. It not only owns a domestic market, but also sells overseas markets with its own brand HANBELL.

High precision equipment, automated warehouse, AGV, complete test laboratory and efficient logistics management, coupled with the quality environment and safety management system, ensure Hanbell policy of “excellent quality, reasonable price”. Hanbell products are creating an amazing page with high growth rate every year, adhering to the business philosophy of integrity, innovation and excellence. Hanbell will be based in China with global visions, continues to provide high-quality series of products and services, deeply cultivating the fluid machinery industry.

## Certificate & Honor:



ISO9001:2000 certificate



GCCA QS certificate



Class 0 certificate



GC energy saving certificate



Shanghai TOP 100 certificate



Grand AAA credit enterprise



China Manufacturer value  
creation TOP 100



Credit enterprise certificate



Demonstration Enterprise



## D Series two-stage screw air end



### Two-stage air end

- ▶ Using 5th generation asymmetric 5~6 teeth profile with independent intellectual property rights;

EU heavy-duty bearing, large diameter rotor, lower speed, longer service life, higher volume efficiency.

- ▶ Compressed air naturally flows back from the high-pressure end to the low-pressure end. The higher compression ratio is, the more leakage will be. At the same power and exhaust pressure, compared to single stage compressors, two-stage compressors have less backflow leakage, higher volume efficiency, achieving an increase of 10-15%.

## HIGH QUALITY PERMANENT BUSINESS

### Main Equipments:

#### Casting Equipment:

Advanced casting equipment and automated casting system, which can meet various customer needs.



#### Processing Equipment:

Advanced CNC grinding machine enables Hanbell compressors to lead the industry in manufacturing technology and processing accuracy.



#### Measuring equipment:

Advanced three-dimensional measuring machine ensures excellent tooth profile matching in the design of the rotor profile.



#### Testing Equipment:

Automated testing system, each air end undergoes strict performance testing to meet customer requirements for high quality.



#### Storage equipment:

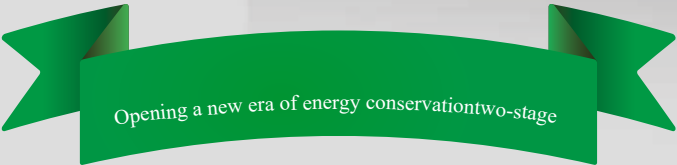
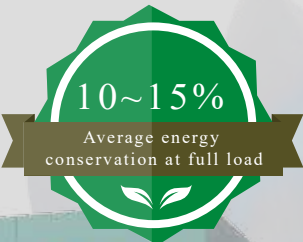
Hanbell production system, such as advanced AS/RS automatic warehousing system, LGV and RGV automatic feeding system, provides customers with efficient and fast delivery time.



D series two-stage compressor

Main parameter:

Power: 37~355kW  
Air flow: 7.9~72.7m³/min(0.8MPa)  
Max.pressure: 1.3MPa



D Series Two-stage Compressor Specification

Model	Power (kW)	Pressure (bar)	Air flow (m³/min)	Outlet size (inch)	Weight (kg)	Dimension (L*W*H)mm
AA6-37A-D	37	8	7.9	G2	1750	1900*1500*1600
		10	6.1			
		13	5.8			
AA6-45A-D	45	8	9.6	G2	1850	1900*1500*1600
		10	9.5			
		13	6.0			
AA6-55A-D	55	8	12.5	DN50	2390	2500*1600*1700
		10	9.8			
		13	7.7			
AA6-75A-D	75	8	16.5	DN50	2430	2500*1600*1700
		10	12.3			
		13	12.1			
AA6-90A-D	90	8	20.1	DN80	3350	2980*1850*2020
		10	16.0			
		13	12.1			
AA6-110A-D	110	8	23.7	DN80	3730	2980*1850*2020
		10	18.6			
		13	15.8			
AA6-132A-D	132	8	28.2	DN100	4780	3280*1880*2120
		10	22.4			
		13	19.5			
AA6-160A-D	160	8	32.8	DN100	5020	3280*1880*2120
		10	27.3			
		13	22.1			
AA6-185A-D	185	8	39.1	DN100	5200	3450*2000*2150
		10	33.5			
		13	28.0			
AA6-200A-D	200	8	42.7	DN100	5590	3450*2000*2150
		10	37.0			
		13	33.0			
AA6-220A-D	220	8	47.8	DN125	6400	3500*2100*2150
		10	41.6			
		13	36.4			
AA6-250A-D	250	8	54.3	DN125	7350	3500*2100*2150
		10	47.4			
		13	41.1			
AA6-280A-D	280	8	57.3	DN125	7600	3500*2100*2150
		10	52.3			
		13	46.6			
AA6-315A-D	315	8	64.4	DN125	8500	4500*2150*2250
		10	56.7			
		13	51.6			
AA6-355A-D	355	8	72.7	DN125	9000	4500*2150*2250
		10	63.7			
		13	55.9			

1. The above technical parameters are based on ISO1217, suction temperature 20°C,relative humidity 60%, intake pressure: 0.1MPa.  
2. Except for the standard specification (380V, three-phase, 50HZ), if you need other specifications, please contact Hanbell sales.  
3. If you need water cooled compressors, please contact Hanbell sales.  
4. If there is a demand for other power models, please contact Hanbell sales.  
5. Our company holds the right to design and modify all specifications, and the final specifications are based on the machine entity.





D Series Permanent Magnet Variable Frequency  
Air Compressor Specification

Model	Power (kW)	Pressure (bar)	Air flow (m <sup>3</sup> /min)	Outlet size (inch)	Weight (kg)	Dimension (L*W*H)mm
AA6-37A-D-AM	37	8	4.7~7.9	G2	1450	1300*1200*1650
		10	3.7~6.1			
		13	3.5~5.8			
AA6-45A-D-AM	45	8	5.7~9.6	G2	1500	1300*1200*1650
		10	5.7~9.5			
		13	3.6~6.0			
AA6-55A-D-AM	55	8	7.5~12.5	DN50	2300	2500*1600*1700
		10	5.9~9.8			
		13	4.6~7.7			
AA6-75A-D-AM	75	8	9.9~16.5	DN50	2350	2500*1600*1700
		10	7.4~12.3			
		13	7.2~12.1			
AA6-90A-D-AM	90	8	12.0~20.1	DN80	3200	2980*1850*2020
		10	9.6~16.0			
		13	7.2~12.1			
AA6-110A-D-AM	110	8	14.2~23.7	DN80	3360	2980*1850*2020
		10	11.2~18.6			
		13	9.5~15.8			
AA6-132A-D-AM	132	8	16.9~28.2	DN100	4580	3280*1880*2120
		10	13.4~22.4			
		13	11.7~19.5			
AA6-160A-D-AM	160	8	19.7~32.8	DN100	4710	3280*1880*2120
		10	16.4~27.3			
		13	13.2~22.1			
AA6-185A-D-AM	185	8	23.5~39.1	DN100	5150	3450*2000*2150
		10	20.1~33.5			
		13	16.8~28.0			
AA6-200A-D-AM	200	8	25.6~42.7	DN100	5460	3450*2000*2150
		10	22.2~37.0			
		13	19.8~33.0			
AA6-220A-D-AM	220	8	28.7~47.8	DN125	6650	3800*2100*2150
		10	24.9~41.6			
		13	21.9~36.4			
AA6-250A-D-AM	250	8	32.6~54.3	DN125	6450	3800*2100*2150
		10	28.4~47.4			
		13	24.6~41.1			
AA6-280A-D-AM	280	8	34.4~57.3	DN125	7200	3800*2100*2150
		10	31.4~52.3			
		13	28.0~46.6			
AA6-315A-D-AM	315	8	38.6~64.4	DN125	8450	4500*2150*2250
		10	34.0~56.7			
		13	31.0~51.6			
AA6-355A-D-AM	355	8	43.6~72.7	DN125	8950	4500*2150*2250
		10	38.2~63.7			
		13	33.5~55.9			

1. The above technical parameters are based on ISO1217, suction temperature 20°C,relative humidity 60%, intake pressure: 0.1MPa.  
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Shanghai Fengjing Factory



Shanghai Xingta Factory



Taiwan Taoyuan Factory



Taiwan Taichung Factory



Hanson Factory



Hanyang Factory



Jinan Branch



Nanjing Branch



Guangzhou Branch

Headquarter  
Shanghai Hanbell Precise Machinery Co., Ltd.

Production Plant  
Taiwan Taoyuan factory   Taiwan Taichung factory   Shanghai Fengjing factory   Shanghai Xingta factory  
Vietnam factory   Zhejiang Hanson factory   Anhui Hanyang factory

Branch office  
Italy branch   Jinan branch   Nanjing branch   Guangzhou branch   Chongqin branch   Yingchuan branch

Overseas sales  
Asia: Japan, South Korea, Malaysia, Thailand, Singapore, Indonesia, Vietnam, Philippines, Syria, Iran, Jordan, Kuwait

Europe: Britain, France, Germany, Italy, Greece, Spain, Türkiye, Israel

Americas: United States, Mexico, Venezuela, Chile, Argentina, Brazil, Colombia

Other: Egypt, South Africa, Madagascar, Australia, New Zealand

