

**Sincerity • Innovation • Excellence**



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**AA6** Series  
**AE6** Screw Air Compressor



SHANGHAI HANBELL PRECISE MACHINERY CO.,LTD

### Intelligent control system

Intelligent monitoring provides the best service and the easiest maintenance. Master/Slave Interlock control is optional by customers' request. ACMS remote monitoring system and modbus function are also available. If you have any requirements, please contact Hanbell for detailed information.



### Excellent cooling system

Use of fin-shaped structure and combination of oil cooler and after-cooler result in compact size, higher efficiency in heat exchange, rustproof. The special design in lams angle also leads to higher efficiency and lower noise; its better performance in heat dissipation effectively low running and discharge temperature on compressor air.



### High-efficiency and energy-saving design

Use of imported volume control valve together with suction control system can control volume flow efficiently and adjust power consumption of air compressor.



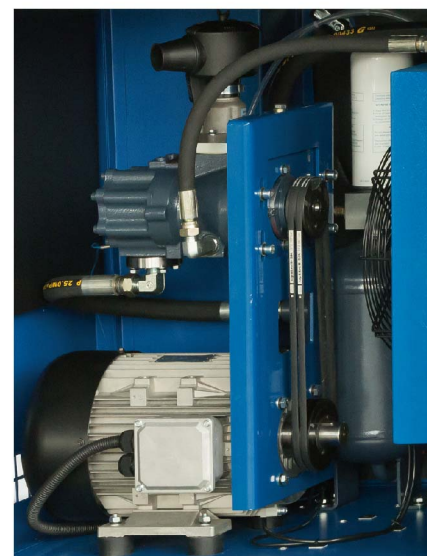
### Bigger sized and effective cooler

Hanbell compressor uses aluminium vacuum brazed coolers of sufficiently large size and multiple fins helps in effective heat dissipation. A further advantage of having bigger sized cooler is that it can operate with lower sized cooling fans.



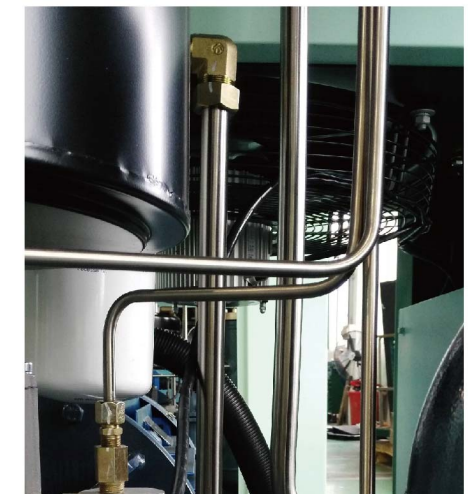
### Belt tension design

Belt tension can be adjusted in free space. This design can save time spent in shutdown and labor during traditional replacement of belt.



### Stainless steel tube design

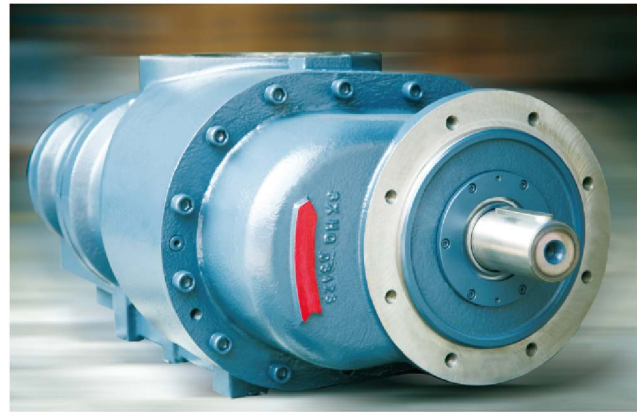
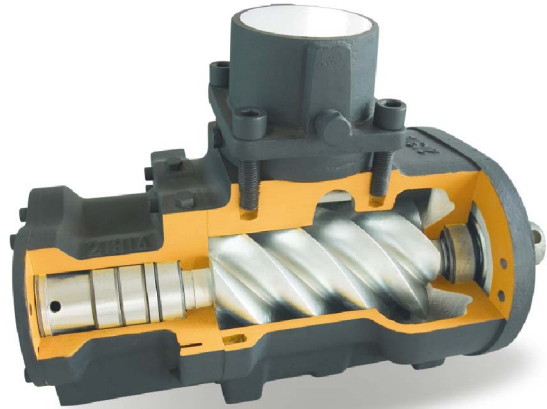
Stainless steel tube has been widely used in piping design of Hanbell air compressor and effectively protects piping from rust. Its piping layout results in neat appearance and ease of maintenance.





# Heavy-duty Air Ends

Low Cost and High Performance



## Advanced Patented Rotor Profile

1. Up-to-date 5 6 Asymmetrical Rotor Profile
2. Low Tip Speed and Higher Volumetric Efficiency

## Heavy-duty Design

1. Max. Working Pressure 40MPa
2. Low-lip-speed Design

## Excellent Air Ends

Optimized 5 6 asymmetrical rotor profile for the best match and high efficiency  
 Heavy-duty Design: Max. working pressure 1.6 MPa  
 Advanced material technology  
 Use of Imported SKF Bearings, longer Bearing Life  
 Solid/ Durable/ High performance equivalent to other Foreign well-known brands

## International Certifications



European PED Certification



Machinery Safety



ISO9001 Certification



Explosion Proof Certification



ISO9001 Certification



"Symbol of Excellence" Taiwan



Lloyd's Register Marine Certificate



CE Certificate



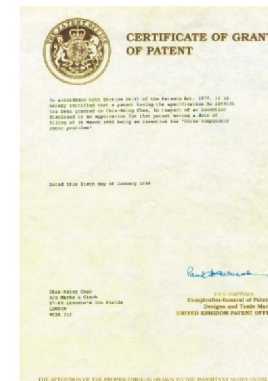
UL Approval

## Technological Capability Index

### Multinational Patents:



USA Screw Rotor Patent



UK Screw Rotor Patent



China Screw Rotor Patent

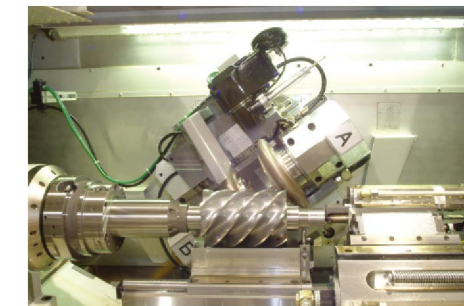
### Main Facilities:



3-D Coordinate Measuring Machine in Shanghai Factory



CNC 3-D Coordinate Measuring Machine



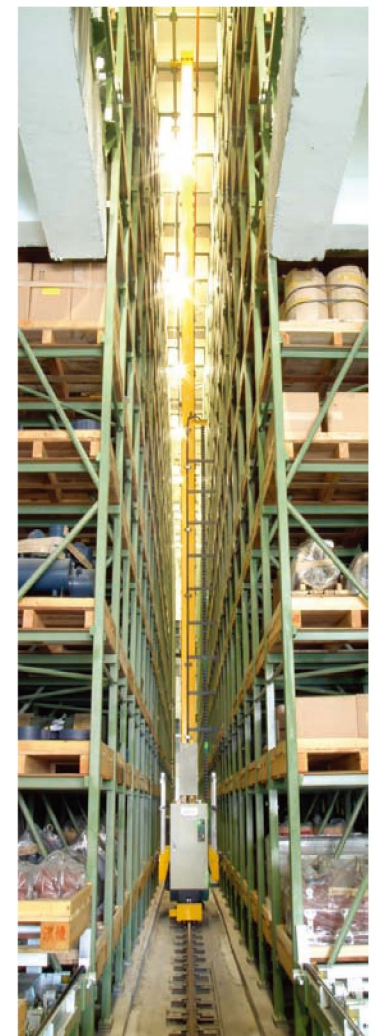
CNC Screw Rotor Grinding Machine



Streamlined Screw Rotor Assembly



AGV+AS/RS



Automated Storage and Retrieval System



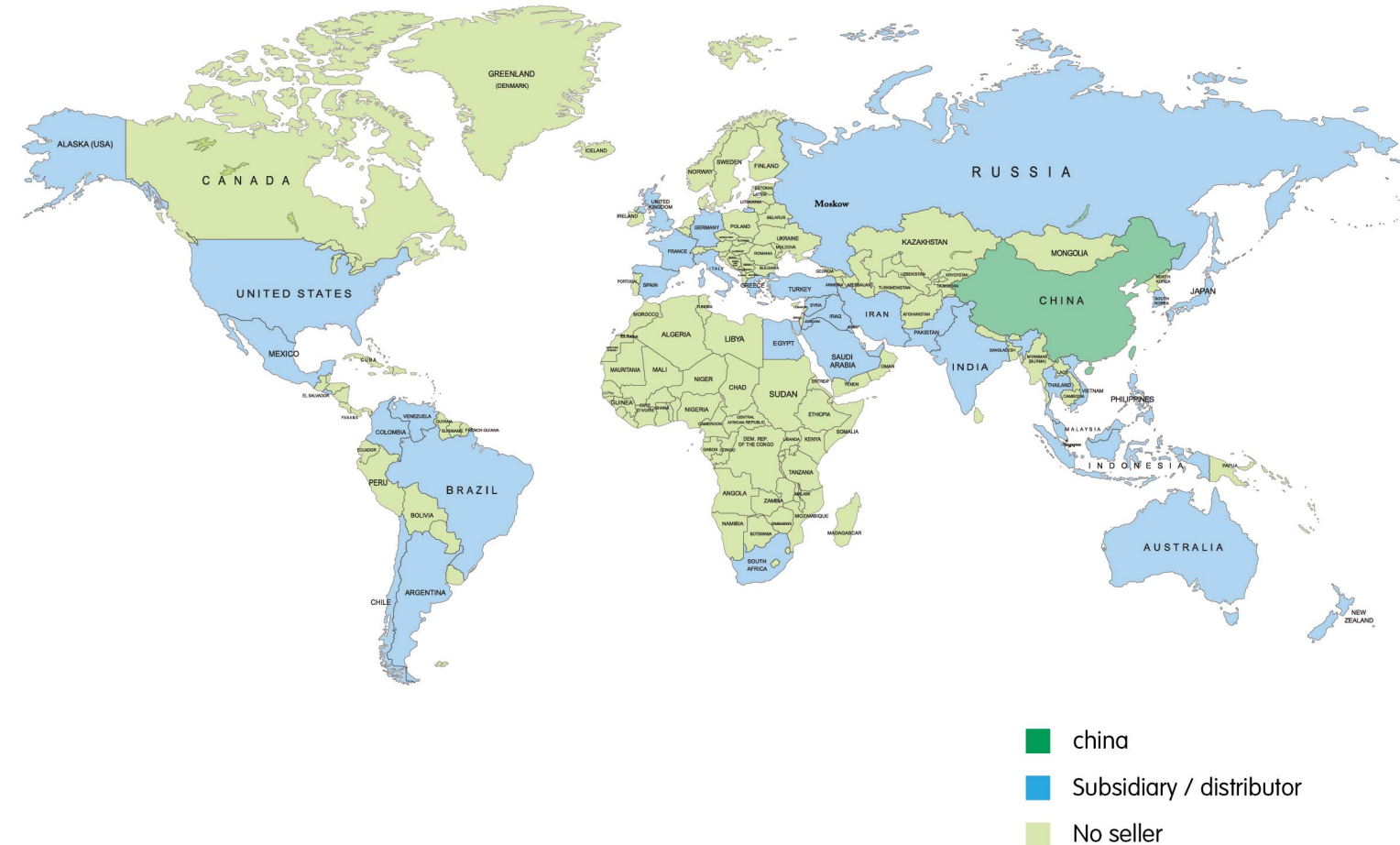
# Specification–AE6 series belts driving

MODEL		AE6-08A	AE6-11A	AE6-15A	AE6-18A	AE6-22A	AE6-30A	AE6-37A	AE6-45A	AE6-55A	AE6-75A	
COMPRESSOR	Air Flow (m <sup>3</sup> /min)	0.8MPa	1.1	1.7	2.4	2.9	3.6	5.0	5.9	7.6	9.1	12.8
		1.0MPa	1.0	1.5	2.1	2.6	3.0	4.3	5.1	6.7	8.1	11.0
		1.3MPa	0.7	1.2	1.7	2.1	2.3	3.5	4.1	5.6	6.9	9.3
	Discharge Temperature °C	Ambient Temperature+15°C										
	Air Outlet Size (inch)	3/4"	3/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"
	Transmission Mode	Belt Transmission										
	Lubricant Volume (L)	7	9	10	10	14.5	18	18	25	60	65	
	Capacity Control	0–100% Stplless Control										
Max Allowable Ambient Temp(°C)	45°C											
Motor	Rated Output (kW)	7.5	11	15	18	22	30	37	45	55	75	
	Terminal Box Position	On the Right										
	Voltage (V) / Frequency (Hz)	380V/50Hz/60Hz										
	Type	TEFC										
Cooler	Starting	Direct	Y- Δ									
	Cooling Mode	Air-cooled										
	Fan Power (kW)	0.12	0.14	0.25	0.29	0.37	0.75	0.75	1.5	1.5	0.37*2	
	Air Flow (m <sup>3</sup> /min)	27	42	60	66	75	125	125	183	194	194	
Safety Protection	Relief Valve, High Discharge Temperature & Pressure Protection, Over Current Protection, Phase Loss/Phase Reverse/Phase Sequence Monitoring											
Maintenance Indication	Air filter, oil filter, oil fine separator, oil,change,belt,motor greasing											
Micro Controller	Digital Temperature/Pressure Display Control,Auto Running Stop Control,Time Running/Stop Control, Master/Slave Interlock Control (Optional),Scalable Central Monitor (Optional)											
Net Weight (Kg)	290	310	350	430	600	700	780	900	1300	1500		
Outline DIMENSION	Length (mm)	800	870	1050	1050	1150	1150	1100	1100	1800	1960	
	Width (mm)	660	660	700	750	850	850	1100	1100	1300	1500	
	Height (mm)	920	980	1030	1100	1300	1300	1400	1400	1750	1750	

### Note: All the above models can also be offered with Variable Speed Drive (VSD)

- The technical data is based on ISO1217&ISO2151, suction temperature 20° C; relative humidity 60%; suction pressure 0.1MPa with testing tolerance ± 5%.
- In addition to the above-mentioned models, please contact us for other options.
- Standard power source 50Hz/60Hz 380V/440V 3 phase. Please contact us for other power source.
- Hanbell reserves the right to change the design without notice.

## Global network



### Vision:

Committed Hanbell being the world leading brand in fluid mechanical and electrical field!

Looking ahead,Hanbell group will develop the key compressor technology independently based on the domestic market in China,take advantage of rich resources in Asia to improve competitive edge of the products in the overseas market and make great efforts to win customers' satisfaction with quality products and the best service as the worldwide leading brand.