

To Provide Compressed Air System is Our Core Business

For the lowest purchasing cost for customers, Sullair provides an entire air system designed to lower operating cost, increase reliability and maximize return on investment.



Sullair offers compressed air system to help users reduce their operating costs and improve productivity by analyzing, managing and controlling all compressed air devices. To satisfy your special requirement on the compressed air system, please contact the local Sullair distributors to seek more help. To acquire local Sullair distributors' contact information, see the below website or make a phone call.



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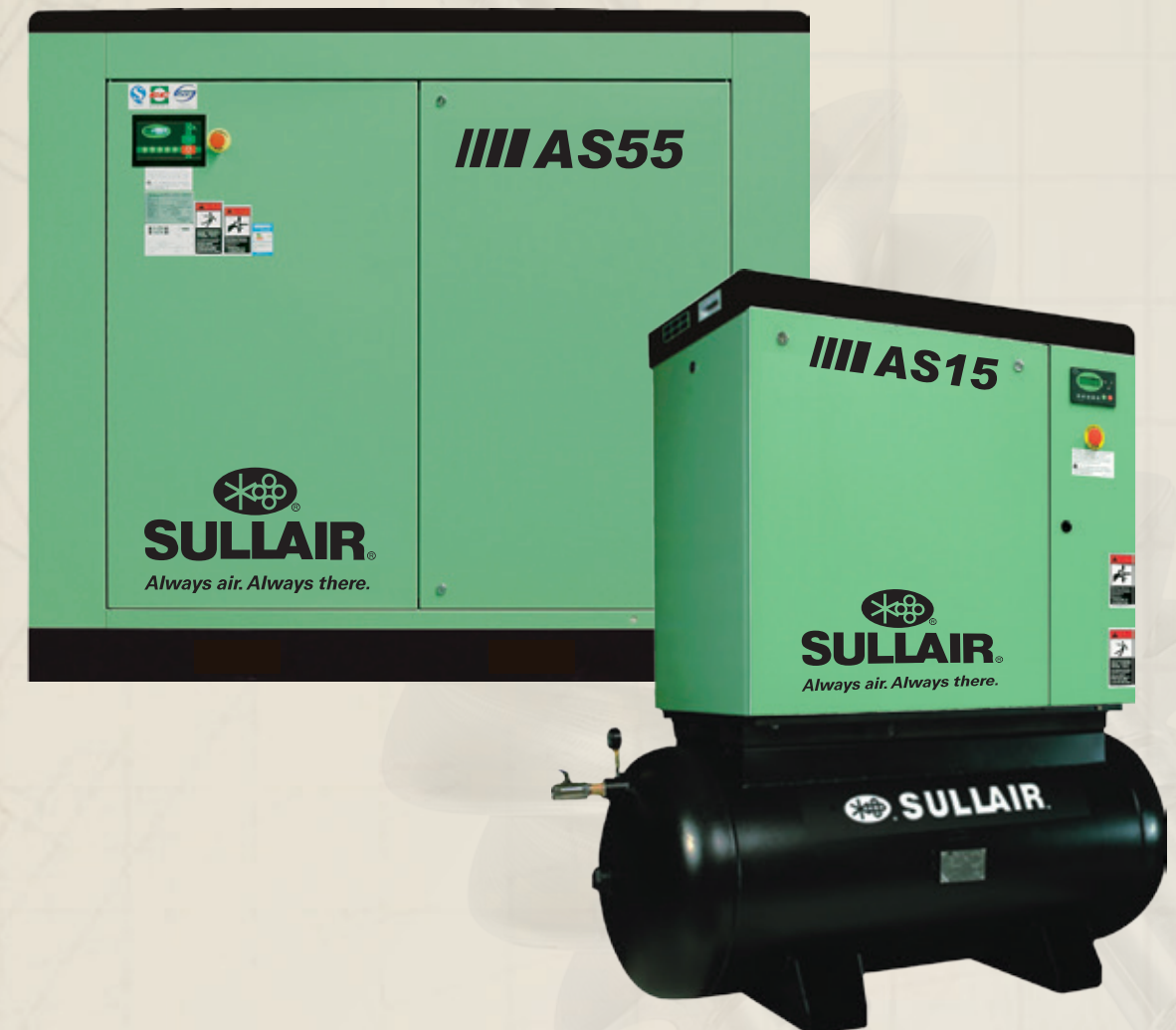
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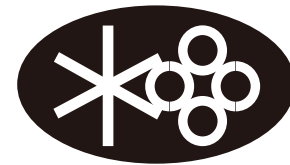
Sullair Screw Air Compressors AS04-AS110 ■ 4-110kW



The Only Air Compressor Manufacturer to Concentrate Exclusively on Screw Technology

Since 1965, Sullair Corporation has been leading the innovation in the fields of screw compression and vacuum technology. With over 50-year experience, Sullair has been making a new round of innovation in this field. Utilizing the most advanced technologies, equipment and manufacturing techniques, Sullair provides customers the best air compressor and vacuum equipment in order to meet the customers' strictest requirements. Sullair has taken the industrial lead in the field by virtue of its first-class screw rotor design.

Sullair products are universally known around the world for its practical design, outstanding craftsmanship and superior quality. Sullair professionals provide you AS series 4-110kW Air Compressors with simple structure, easy operation and great performance by optimal design provided that guarantee the amazing reliability, stability and related performance specifications of Sullair products. In fact, its design has made the new standard for this industry in every aspect.



This company has been certified by ISO9001 international quality management system.

Together with Sullair, You are Buying Perfect Customer Service

At Sullair, "Customer Satisfaction" is a cornerstone of the corporate philosophy. Our services include:

- Equipment maintenance
- Customer training
- Energy efficient products
- Provision of Sullair parts



Energy Saving Certification

Energy efficiency indexes of nearly 50 AS series air compressors meet the requirements of national evaluating values of energy conservation. Some models meet the Level 1 energy efficiency standards, which are eligible to apply for national energy conservation subsidies.



Together with Sullair, You will Get More Than Air Compressors

Together with Sullair, what you will purchase is the world's leading screw technology and global services ability. Sullair provides the manufacturing industries, textile, food, construction, mining and energy industries with high-quality products and services.

The international service network of Sullair includes subsidiaries in different regions, designated agents and distributors who offer their best services to customers of Sullair around the world every day.

AS 04-110 Series Air Compressors



Screw Rotors with High Efficiency

- The screw rotors are manufactured by matching with excellent compress efficiency
- The design of slot line and pitch line reduces the inner leakage

Compressed Air End

- Patented design, low noise and excellent bearing with service life reaching 100000 hours ensure the stability and longer life of the air end
- BFR (Bearing Fluid Reservoirs) ensure the air compressors with excellent function for startup and loading performance

Flexible Coupling

- Avoiding the shock of loading, high efficiency of transmission and reliable running
- Can directly dismount and install, being convenient for maintenance of shaft seal

Fluid/Air Separation System

- High efficient fluid/air separate system with huge volume, special design for interior, multi-stage separate structure making excellent separation
- Low pressure dropping, decreasing at least 1% power consumption

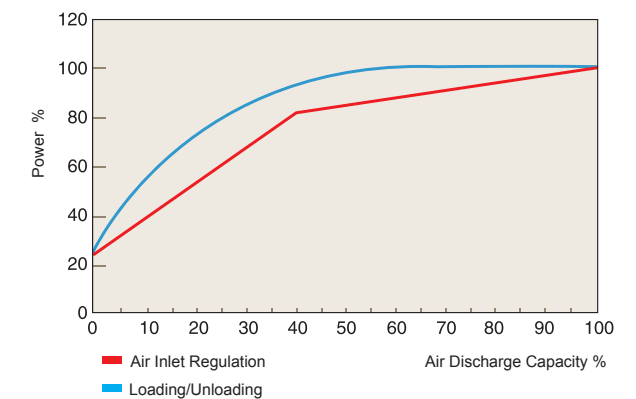
Inlet Regulating Valve

- Decreasing the times of load and unload of air compressors, low running expense
- Decreasing the shock of loading, and lengthening the service life of the machine

Air Capacity Regulation

- Can realize non-stage regulation for air discharge capacity between 0% and 100%
- Better meet the air usage demand of customers, and saving energy

Part Loading Performance

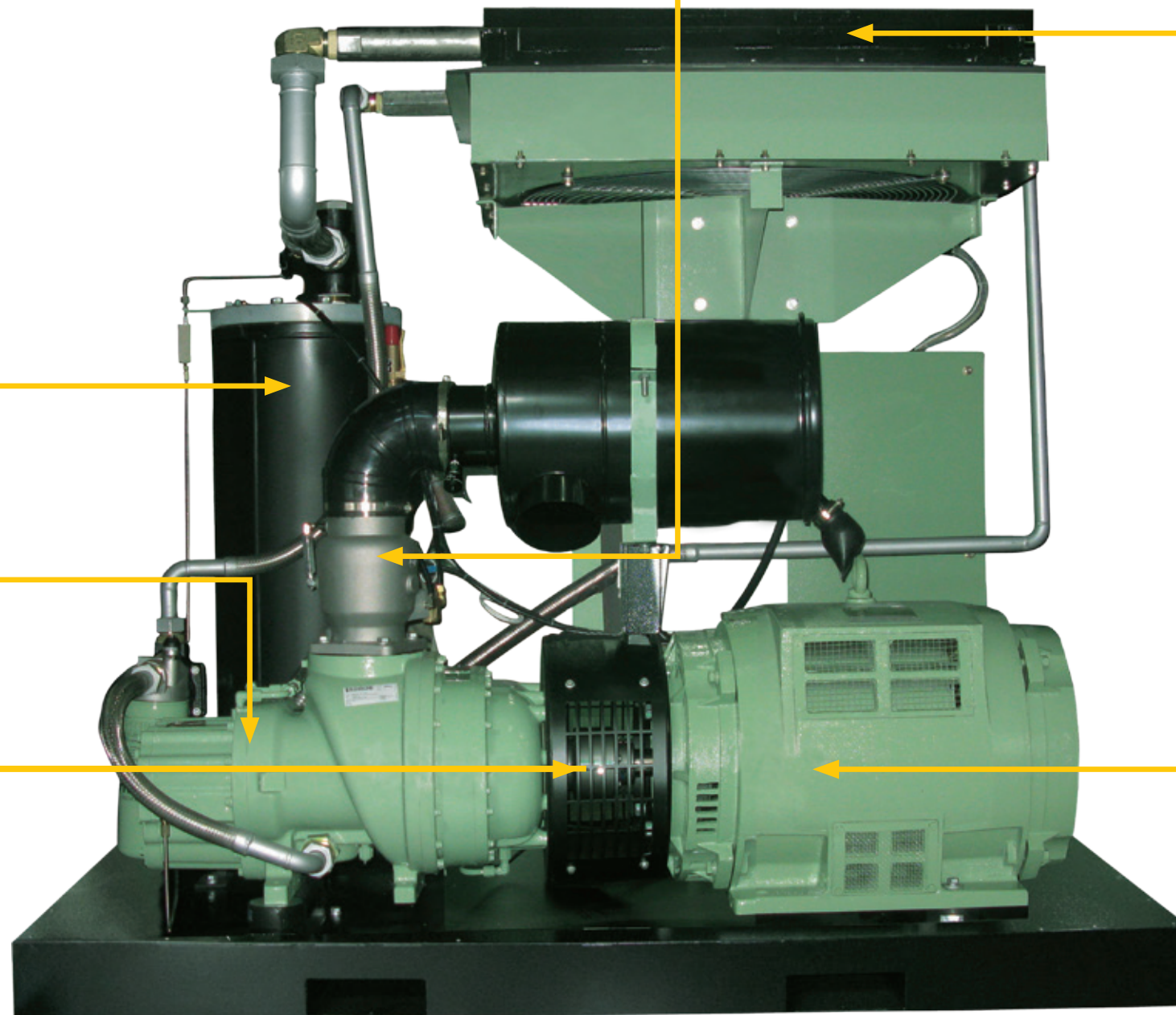


High Efficient Cooling System

- Super cooler with huge design margin, one third bigger heat dissipation area than that of normal cooler
- High efficiency of heat dissipation, effectively lengthening the lifetime of fluid oil and reducing the operation costs

Motor with High Performance

- Strong heat dissipation, B level temperature rising, and being not easy to age because of insulation
- Bearings with high quality, little wear and long lifetime, ensuring continuously running without failure for a long time



Note: The above figures are only for reference, the machines should prevail in kind.

AS 04-110 Series Air Compressors

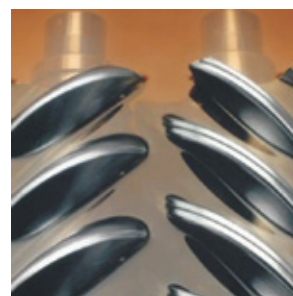
Bearings with High Quality (Compressor Air End)

- With design life of 100,000 hours and high reliability
- Adopting tapered roller bearing in the air outlet, ensuring the performance of the compressor air end
- The design of bearing fluid reservoirs ensuring the lubrication of the compressor air end under special work condition



Sullair Special Fluid

- High oxidative stability with longer service life
- Better adaptive the system, and lower operation costs
- Low solidification point ensuring good adaptability in low temperature



Fluid Filter

- Filter material with aerial quality providing better filtration
- Over twice dirt holding capacity than normal filter material
- Easy to deal with the disused filter and lower cost for it



Air/Water Separator

- Centrifugal separation design with high efficiency and lower pressure loss
- Aluminum cover with anticorrosion, being durable in use
- Automatic drain valve with little leakage, high efficiency and stable performance



Note: AS18-110 standard configuration

Micro-computer Controller

- Equipped with functions of temperature, pressure and other parameters real-time displaying and warning
- Query of failure record, being convenient for maintenance and analysis
- LED screen, simple control and convenient for use



Electrical Cabinet

- Adopting copper wiring for wire connection, being convenient for operation and maintenance
- Adopting electrical parts of silver contactor, service life can reach more than 3000000 times
- Built-in phase sequence protection and under-voltage protection, ensuring the normal operation of the customers' machine



Control System

- Modular design, optimized control modes and high reliability
- Simplified system structure being convenient for installment and maintenance
- Improving efficiency and reducing the energy consumption compared with traditional control modes



Focus on Environment

- Totally-enclosed protection panel avoiding the spill of the lube when maintenance the air compressor
- Low lube consumption amount, reducing the use costs and processing expense of the customers
- Rubber dashpot used in parts including air end, motor, etc. reducing the noise effectively



AS Series VSD Air Compressors



VSD Controller

- Integrated design with best performance for vacuum pump
- Modular design makes application and maintenance extremely convenient and friendly
- An innovative cooling method and coated electronic modules significantly increase the stability and service life of the VSD controller
- Provide strong communication function with RS485/US, PROFIBUS, Profinet, DP, etc.
- Provide USB interface making local debugging and troubleshooting easier
- Provide MMC/SD card slot which is more saving time when copying the parameters



Sullair Special High Efficiency VSD Motor

- Adopt special electromagnetic design to effectively restrain the harm of higher harmonics and improve low-frequency output torque of motor
- Adopt special enameled wire for VSD motors to enhance the insulating strength of ground and interturn, especially the insulation shock resistance voltage capacity
- Adopt special cooling method to ensure that the motor has good self-cooling ability at low frequency
- Effectively avoid low frequency resonance



The Design Advantage of Sullair VSD Air Compressor

- According to the work condition of loading, reasonably matching with the compressor air end, best performance
- Optimizing the regulation function of air inlet, simplifying the pneumatic control
- Two PID parameters, ensuring the best operational efficiency of air compressors
- Installing SKSG, adopting shielded line to connect the motor, in order to avoiding interference
- Adopting Sullair luxurious computer controller, realizing on-line control function for free

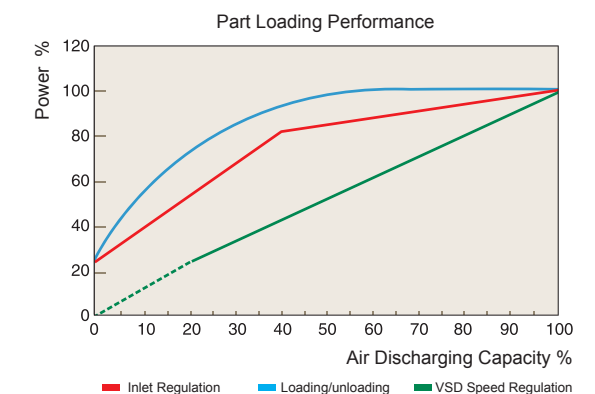
Sullair AS Series VSD Air Compressors, High Efficiency, Stable and Reducing Energy Consumption

Sullair VSD Air Compressor can:

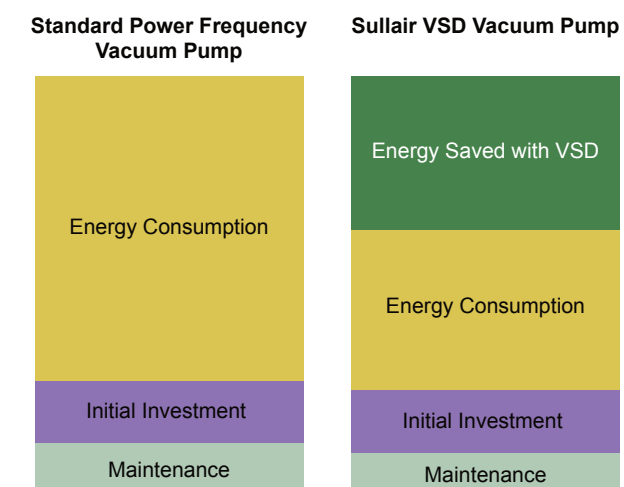
- Greatly reducing energy consumption
- Ensuring large air consumption in a short time
- Providing stable system pressure
- Ensuring product quality
- Reducing the air leakage of the system
- Reducing the demands of air consumption storage of customers
- Meeting the demands of the development in air consumption of customers in future
- Lowering the operation cost of customers

VSD Control is the Best Choice Comparing with Other Control Method of Compressors

The chart below is the comparison in general meaning, please contact with sales representatives or local distributors if you need accurate comparison.



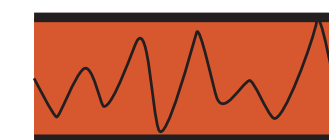
Your compressed air system can reduce your cost of air consumption: 35% energy saving within 5 years



VSD Soft Start, Unlimited Starts and Stops

- No need start-delta or other start methods, and no need to control the number of cold and hot starts
- Reduce the electrical characteristics requirement and save the cost
- Avoid impulse current at direct start and lengthen service life of the equipment

Sullair VSD Air Compressors Provide Customers Stable System Pressure, and Improve the Stability in Production Process and Reducing the Fraction Defective



Standard Compressor



Sullair VSD Compressor

Technical Specifications

AS 04-15 Air Compressor

Model	Motor		Max. Air Discharge Pressure			Weight (kg)	Outlet Dimension
			8.0bar	10.0bar	13.0bar		
	HP	kW	Air Discharge Capacity (m ³ /min*)				
AS04	5	4	0.58	0.46	0.4	228(without air storage tank)	Rc3/4
AS05	7.5	5	0.83	0.75	0.6	238(without air storage tank)	Rc3/4
AS07	10	7	1.07	0.94	0.8	248(without air storage tank)	Rc3/4
AS11	15	11	1.8	1.55	1.21	350(without air storage tank)	Rc1
AS15	20	15	2.28	2.05	1.7	365(without air storage tank)	Rc1

AS 18-110 Air Compressor

Model	Motor		Max. Air Discharge Pressure				Weight (kg)	Outlet Dimension
			7.6bar	8.6bar	10.6bar	12.6bar		
	HP	kW	Air Discharge Capacity (m ³ /min*)					
AS18	25	18	3.2	2.9	2.6	2.2	580	Rc1
AS22	30	22	3.75	3.55	3.1	2.8	650	Rc1
AS30	40	30	5.1	4.75	4.1	3.4	900	Rc1-1/2
AS37	50	37	6.8	6.3	5.8	5.1	1000	Rc1-1/2
AS45	60	45	8.5	7.8	6.9	5.65	1380	Rc2
AS55	75	55	10.5	9.5	8.6	7.6	1410	Rc2
AS75	100	75	13.5	12.5	11.1	10.2	1520	Rc2
AS90	125	90	16.9	15.5	14.2	12.8	2100	Rc2
AS110	150	110	20.1	19.6	16.5	14.6	2300	Rc2

Equipment Dimensions

Model	Length (mm)	Width (mm)	Height (mm)
AS04, AS05, AS07 Series (without air storage tank)	826	546	940
AS04, AS05, AS07 Series (with air storage tank)	1210	546	1460
AS11, AS15 Series (without air storage tank)	998	618	1035
AS11, AS15 Series (with air storage tank)	1460	618	1642
AS18, AS22 Series	1340	740	1300
AS30, AS37 Series	1600	860	1440
AS45, AS55, AS75 Series	2000	1200	1680
AS90, AS110 Series	2500	1400	1800

Technical Specifications

AS 30-110 VSD Air Compressor

Model	Motor		Max. Air Discharge Pressure				Weight (kg)	Outlet Dimension
			7.6bar	8.6bar	10.6bar	12.6bar		
	HP	kW	Air Discharge Capacity (m ³ /min*)					
AS30 VSD	40	30	-	1.6-4.75	1.4-4.25	1.2-3.7	980	Rc1-1/2
AS37 VSD	50	37	2.3-6.8	2.1-6.3	1.9-5.8	1.7-5.1	1080	Rc1-1/2
AS45 VSD	60	45	1.95-8.5	1.92-7.93	1.9-6.9	1.78-5.65	1480	Rc2
AS55 VSD	75	55	2.52-10.6	2.54-9.85	2.13-8.6	2.09-7.73	1510	Rc2
AS75 VSD	100	75	3.23-13.5	3.29-12.55	2.79-11.1	-	1620	Rc2
AS90 VSD	125	90	4.2-16.9	4.0-15.5	3.4-14.2	3.6-12.8	2100	Rc2
AS110 VSD	150	110	5.5-20.1	5.4-19.6	4.0-16.5	4.0-14.6	2300	Rc2

Equipment Dimensions

Model	Length (mm)	Width (mm)	Height (mm)
AS30 VSD, AS37 VSD Series	1950	860	1440
AS45 VSD, AS55 VSD, AS75 VSD Series	2250	1200	1690
AS90 VSD, AS110 VSD Series	3100	1400	1035

Note:

1. AS 04-75 series air compressors are air-cooled models, AS90-132 series air compressors including air-cooled and water-cooled models.
2. Air discharge capacity is measured under the rated air discharge pressure according to international GB3853 test (equal to ISO1217 Appendix C).
3. The external VSD controller of AS30-110 VSD series air compressors is optional.
4. Food grade fluid can be chosen for AS04-110 series air compressors, please consult the Market Department of Sullair for details.

