

Water-lubricated oil-free screw air compressor

AULISS oil-free screw air compressor adopts the water-lubricated screw airend developed by German technology, and the screw, shell and pipeline are made of stainless steel, which is corrosion-resistant and does not deform in high and low temperature environments. The interior adopts independent lubricating water channel and silicon carbide sliding bearing, which minimizes the wear of the airend, reduces air pollution, increases the flow rate of air, and adopts the original imported water separation and water softening system from Germany to increase the separation speed of water in the air-water separator tank to achieve the best water separation effect.

Characteristic of Water-lubricated oil-free screw air compressor

- Close to isothermal compression, the exhaust temperature is about 50 degrees, the power consumption is low, and the air production is large;
- Airend balanced design, no axial force, prolongs the service life of the airend, and ensures that the service life of the airend for more than 50,000 hours;
- Sealed by water lubrication, absolutely oil-free, without any lubricating oil;
- Extremely low maintenance costs (consumables: water, water filters, air filter element) and low cost of use;
- Low noise, low vibration;
- The water inlet and outlet system is controlled by computer, and water is automatically added or discharged to ensure the normal operation of the air compressor;
- Adopt air-cooled and water-cooled dual system design to ensure that customers can use and install it easily.



Technical specification

Model	ALSW-08A	ALSW-11A	ALSW-15A	ALSW-18.5A	ALSW-22A	ALSW-30A	ALSW-37A	ALSW-45A
Air delivery(M³/min) /Discharge pressure(Mpa)	1.15/0.8 1.02/1.0 0.81/1.25	1.55/0.8 1.32/1.0 1.01/1.25	2.30/0.8 2.12/1.0 1.60/1.25	3.10/0.8 2.62/1.0 2.10/1.25	3.42/0.8 3.15/1.0 2.62/1.25	5.05/0.8 4.20/1.0 3.18/1.25	6.10/0.8 5.25/1.0 4.85/1.25	7.60/0.8 6.15/1.0 5.65/1.25
Power (kW)	7.5	11	15	18.5	22	30	37	45
Voltage	380V/50HZ							
Driven mode	Direct							
Water volume (L)	10	26	26	30	30	40	40	90
Noise (dB(A))	58	60	63	65	65	67	67	68
Starting mode	Y-Δ							
Overall dimension (L*W*H) (mm)	800*800*1200	1150*755*1340	1150*755*1340	1400*900*1450	1400*900*1450	1550*1150*1550(A) 1500*1150*1300(W)	1550*1150*1550(A) 1500*1150*1300(W)	1980*1300*1760(A) 1800*1300*1670(W)
Weight (KG)	470	580	650	705	745	1100	1150	1390
Outlet pipe diameter	3/4	3/4	3/4	1	1	1 1/4	1 1/4	2
Working environment temperature (°C)	-5°C ~ +45°C							
Exhaust temperature (°C)	≤ Ambient temperature + 15°C							
Rotary speed	2960							

Model	ALSW-55A	ALSW-75A	ALSW-90A	ALSW-110A	ALSW-132A	ALSW-160A	ALSW-185A	ALSW-200A	ALSW-220A	ALSW-250A
Air delivery(M³/min) /Discharge pressure(Mpa)	9.60/0.8 8.55/1.0 7.45/1.25	13.00/0.8 11.42/1.0 9.85/1.25	16.25/0.8 14.55/1.0 12.30/1.25	19.5/0.8 16.80/1.0 15.15/1.25	22.52/0.8 20.30/1.0 18.25/1.25	28.11/0.8 24.50/1.0 22.15/1.25	33.65/0.8 28.50/1.0 24.50/1.25	36.63/0.8 32.75/1.0 27.50/1.25	39.50/0.8 35.80/1.0 29.50/1.25	40.50/0.8 36.30/1.0 32.50/1.25
Power (kW)	55	75	90	110	132	160	185	200	220	255
Voltage	380V/50HZ									
Driven mode	Direct									
Water volume (L)	120	120	180	180	240	240	300	300	360	360
Noise (dB(A))	70	73	73	78	78	80	80	80	80	80
Starting mode	Y-Δ									
Overall dimension (L*W*H) (mm)	1980*1300*1760(A) 1800*1300*1670(W)	2100*1600*1900(A) 2200*1500*1800(W)	2400*1600*2000(A) 2200*1500*1800(W)	3000*1700*2250(A) 2200*1500*1800(W)	3000*1700*2250(A) 2200*1500*1800(W)	2700*1800*2050	2700*1800*2050	2700*1800*2050	2700*1800*2050	2700*1800*2050
Weight (KG)	1470	2250/1630	2650/2350	3150/2460	3500/2500	470	470	470	4200	4600
Outlet pipe diameter	2	2	2 1/2	2 1/2	2 1/2	3/4	3/4	3/4	DN100	DN100
Working environment temperature (°C)	-5°C ~ +45°C									
Exhaust temperature (°C)	≤ Ambient temperature + 15°C									
Rotary speed	2960									

1. Auliss accepts customized orders for the special industries or needs

2. Special voltages such as 415V, 660V, 3KV, etc. are accepted for OEM and ODM customization

3. Auliss continuously researches and improves its products. If the technical parameters are changed, no further notice will be given