



AIR3S

Compressed Air Mastery



AB 11-37

Oil Injected, Fixed Speed,
Rotary Screw Air Compressors

Aires rotary screw compressors are engineered for solid strength and smart energy use, delivering sustainable flow with unmatched efficiency. **Designed for demanding applications in fabricating shops, CNC machining, metalworking, and manufacturing**, the AB Series sets the standard:

“Solid Strength. Smart Energy. Sustainable Flow.”



Solid Strength

A compressor that combines trusted global technology with Aires' system-level engineering to deliver reliability under the harshest conditions.

Strength is not just about heavy steel – it's about engineering for resilience.

Proven Air End Technology: We partner with globally recognized air end manufacturers whose designs are proven for efficiency, durability, and long operating life.

Premium Electric Motors: High-efficiency motors (IE3/IE4) are selected for dependable performance, reduced energy losses, and long service life in demanding applications.



Quality Assurance & Rigorous Testing: Every incoming component undergoes inspection and system-level testing to ensure consistency and reliability before integration.

Each completed compressor is tested under load, checked for performance benchmarks before shipment.

Certified Components: Every system is built using UL 508A, ASME, and ISO-certified components, ensuring compliance with national standards and consistent reliability.



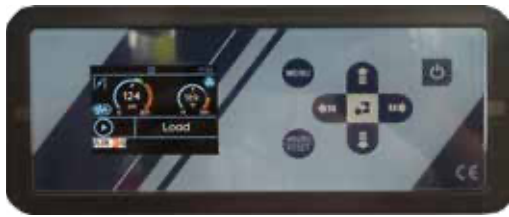


Smart Energy

Delivering more airflow per kilowatt while reducing lifecycle costs and supporting sustainability goals. At Aires, we engineer every compressor to maximize efficiency and minimize wasted power.

High Isentropic Efficiency: Optimized rotor profiles and system integration deliver more compressed air per kW of power.

Standards Compliance: Every unit is DOE-compliant, ensuring energy claims are transparent and independently validated. Lifecycle Advantage – Lower energy usage not only reduces costs but also supports sustainability initiatives by cutting CO2 emissions.



Intelligent Control Systems Logitronik9 controllers with VSD options ensure optimized energy use. Through our remote monitoring service, customers gain 24/7 visibility, predictive maintenance alerts, and proactive service support.



Sustainable Flow

Consistent air delivery that supports productivity today and sustainability for tomorrow.

Stable Pressure & Flow: Designed to maintain a consistent pressure band, ensuring uninterrupted production and protecting sensitive downstream equipment.

Air Quality & Separation: Advanced separation systems keep oil carryover below 3 ppm, delivering clean air while protecting both tools and processes.

Optimized Cooling & Filtration: Reduced pressure drops, balanced thermal management, and efficient separation extend service intervals and minimize wasted energy

Environmental Responsibility: Energy-efficient operation and reduced emissions support corporate sustainability initiatives and help customers meet tightening regulatory requirements.

Orange Trust Warranty: At Aires, we know that reliability isn't just engineered – it's backed. That's why we created the Orange Trust Warranty, giving you selectable coverage options designed to protect your investment and your uptime.



Standard Warranty Period – Bumper to bumper, 24 months from start-up or 30 months from shipment, whichever occurs first.

5-Year Warranty Coverage – Air-end, Drive Motor, Heat Exchanger, Separator Tank

Backed by Orange Trust – Built on Dependability

Warranty coverage is valid only with an Authorized Start-Up and the use of genuine parts and fluids.

MODEL	POWER kW/hp	PRESSURE psi	FLOW cfm	NOISE db	DIMENSIONS inch	WEIGHT lbs
AB 11	11 / 15	100	69.77	71	W:30.08" L:43.31" H:45.16"	842
	11 / 15	125	61.98			
	11 / 15	150	55.61			
	11 / 15	175	50.25			
AB 15	15 / 20	100	101.03	71	W:30.08" L:43.31" H:45.16"	882
	15 / 20	125	91.62			
	15 / 20	150	80.00			
	15 / 20	175	72.68			
AB 18	18.5 / 25	100	123.86	72	W:32.05" L:47.24" H:50.08"	1043
	18.5 / 25	125	110.75			
	18.5 / 25	150	101.53			
	18.5 / 25	175	89.13			
AB 22	22 / 30	100	133.15	72	W:32.05" L:47.24" H:50.08"	1078
	22 / 30	125	125.88			
	22 / 30	150	119.35			
	22 / 30	175	107.44			
AB 30	30 / 40	100	207.32	78	W:35.98" L:53.15" H:58.35"	1640
	30 / 40	125	197.79			
	30 / 40	150	173.82			
	30 / 40	175	159.78			
AB 37	37 / 50	100	234.27	80	W:35.98" L:53.15" H:58.35"	1693
	37 / 50	125	218.25			
	37 / 50	150	198.88			
	37 / 50	175	189.56			

*Unit performance measured according to ISO 1217, ANNEX E, EDITION 4:2009

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