

AIR3S

Compressed Air Mastery





AD 11-22 V

Oil Injected, Variable Speed
Air Compressors

The AD 11–22 V Series combines Direct Drive Technology with intelligent control to deliver unmatched efficiency and reliability. The gearless design eliminates belt losses, ensuring maximum power transfer, quiet operation, and minimal maintenance. Controlled by the advanced LogiTronik 9 system, it adapts to real operating conditions with precision and intelligence. **Ideal for automotive manufacturing, metal fabrication, plastics, packaging, and process industries, the AD V Series defines modern performance –**

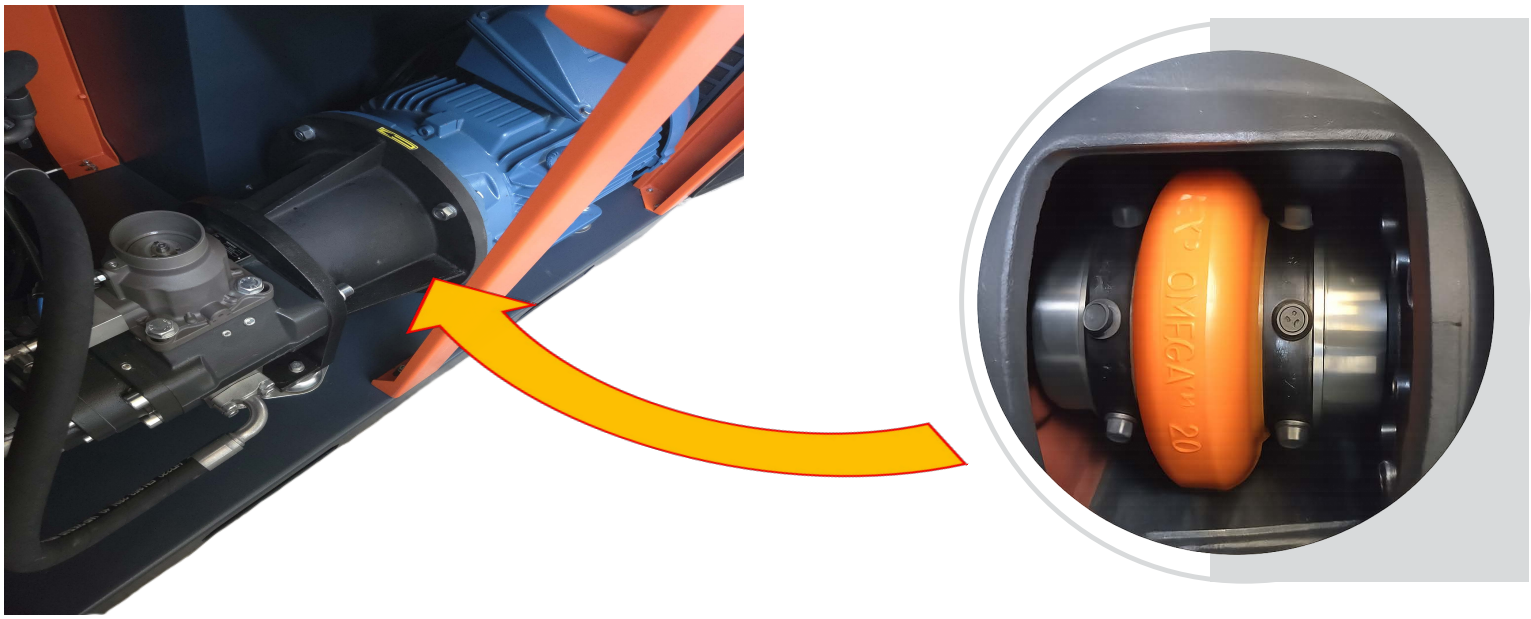
“Driven by Power. Defined by Intelligence.”

Driven by Power

At the core of the Aires AD 11–22 V Series lies a foundation of pure mechanical precision and strength. The Direct Drive Technology delivers a true 1:1 power transfer between the motor and the airend, eliminating belt losses and ensuring maximum energy efficiency. A precision-machined flexible coupling, produced to micron-level tolerances, maintains perfect alignment and vibration-free operation throughout the compressor’s lifespan.

The motor and airend are joined through a spherical cast iron bell housing, designed to absorb mechanical stress and preserve alignment even under the harshest continuous-duty conditions. This robust, stress-resistant structure ensures smooth operation, longer component life, and consistent power delivery.

Complementing this mechanical strength, the Variable Frequency Drive (VFD) fine-tunes motor speed to match real-time air demand. By eliminating unnecessary high-speed operation during low-load periods, the VFD reduces energy consumption, minimizes wear, and maintains stable system pressure with precise responsiveness. The result is a compressor that is both powerful and energy-wise, engineered to perform reliably around the clock in the most demanding industrial environment.



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

Defined by Intelligence

The intelligence of the AD V Series lies in the perfect integration of the VFD system with the advanced LogiTronik 9 controller — a combination that transforms raw power into optimized performance. Together, they create a fully adaptive compressor system capable of automatically adjusting to the exact needs of your operation.

The LogiTronik 9 2.4.· TFT touch-screen interface continuously monitors pressure, temperature, power usage, and system efficiency, ensuring that every cycle operates within the ideal parameters for energy savings and reliability.

Smart, connected, and efficient — the AD 11-22 VSeries embodies the perfect fusion of mechanical strength and digital intelligence, delivering sustained efficiency, reliability, and long-term customer success.



Standard Warranty Period - Bumper to bumper, 24 months from start-up or 30 months from shipment, whichever occurs first.
10-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 Max-Min cfm	NOISE db	DIMENSIONS inch	WEIGHT lbs
AD 11V	11 /15	100	76.42-34.98	71	W:30.24″ L:46.18″ H:45.35″	850
		125	66.79-33.97			
		150	59.05-32.98			
		175	53.02-31.50			
AD 15V	15 / 20	100	104.60-53.60	71	W:30.24″ L:46.18″ H:45.35″	892
		125	91.77-52.90			
		150	82.00-52.52			
		175	81.80-51.74			
AD 18V	18/25	100	128.82-53.60	72	W:32.13″ L:50.09″ H:50.28″	1053
		125	114.05-52.90			
		150	102.08-52.52			
		175	92.88-52.47			
AD 22 V	22 /30	100	143.57-72.24	72	W:32.13″ L:50.09″ H:50.28″	1088
		125	133.16-70.76			
		150	122.27-69.53			
		175	111.9-68.55			

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

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