

AIRES

Compressed Air Mastery





AD 30-110 V

Oil Injected, Variable Speed
Air Compressors

The AD 30–110V 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 26 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

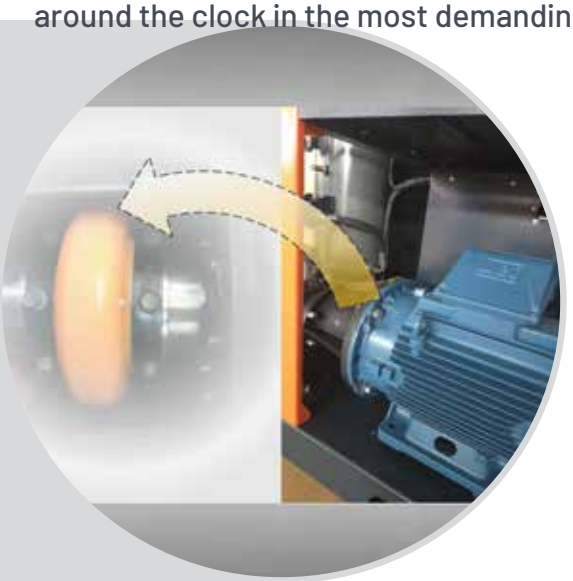
At the core of the Aires AD 30–110 V Series lies a foundation of pure mechanical precision and strength. The Direct Drive Technology delivers a true 1:1 power transfer between the motor and the airend, eliminating belt losses and ensuring maximum energy efficiency. A precision-machined flexible coupling, 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.

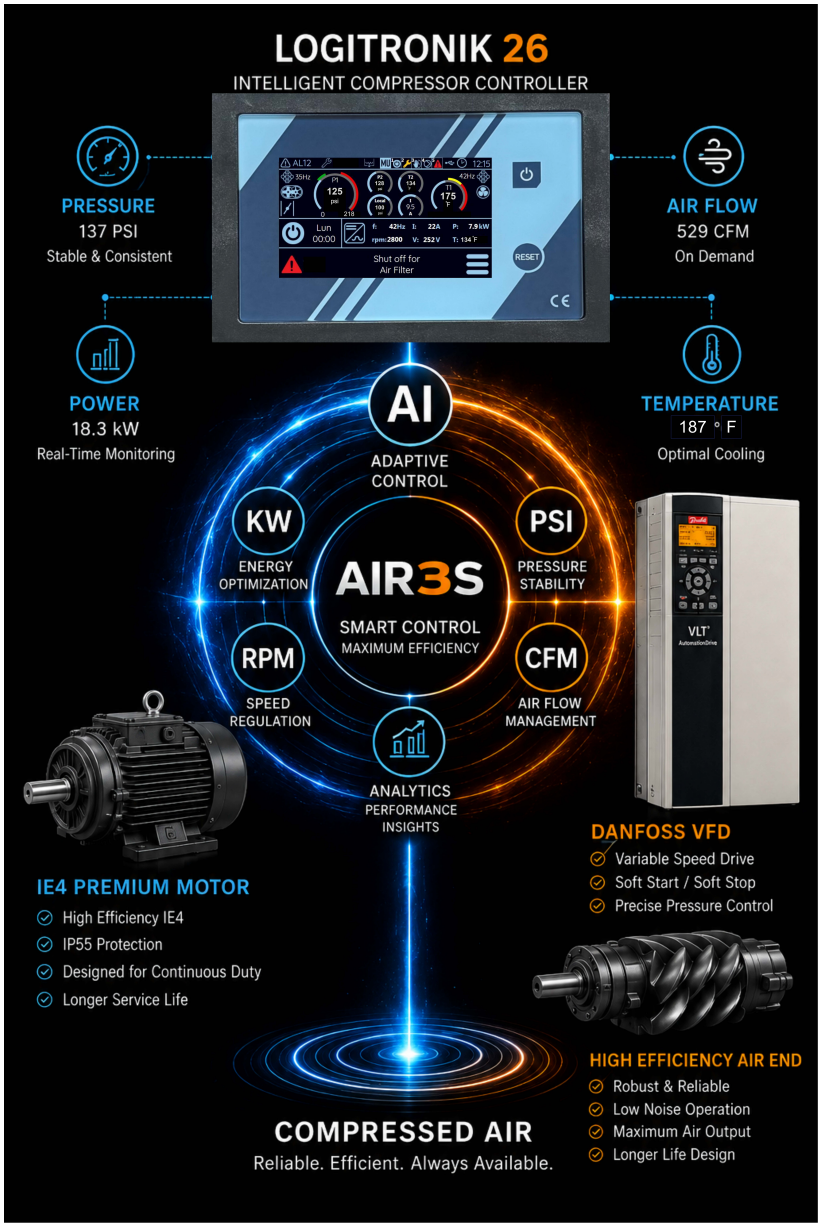
Complementing this mechanical strength, the Variable Frequency Drive (VFD) fine-tunes motor speed to match real-time air demand. By eliminating unnecessary high-speed operation during low-load periods, the VFD reduces energy consumption, minimizes wear, and maintains stable system pressure with precise 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 26 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 26 continuously monitors pressure,temperature, power usage, and system efficiency, ensuring that every cycle operates within the ideal parameters for energy savings and reliability. The 4.3" TFT touch-screen interface provides operators with instant access to energy monitoring, service scheduling, and performance data through a modern, intuitive display.

Equipped with remote monitoring and multi-unit management functions, the controller enables seamless communication between multiple compressors for balanced load distribution and optimal system performance. Predictive maintenance alerts ensure uptime is protected and service actions are planned before issues occur.

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

ORANGE TRUST
5 Years Warranty

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 30 V	30 / 40	100	219.03 - 118.66	75	W:37.80" L:59.80" H:67.80"	1880
		125	198.83 - 117.13			
		150	181.58 - 115.78			
		175	163.92 - 115.21			
AD 37 V	37 / 50	100	247.97 - 118.66	75	W:37.80" L:59.80" H:67.80"	1880
		125	240.01 - 117.13			
		150	220.39 - 115.78			
		175	196.95 - 115.21			
AD 45 V	45 / 60	100	341.16 - 113.72	76	W:46.10" L:78.74" H:71.65"	2935
		125	303.84 - 111.27			
		150	276.83 - 108.83			
		175	257.82 - 106.55			
AD 55 V	55 / 75	100	405.09 - 113.72	77	W:46.10" L:78.74" H:71.65"	2990
		125	359.4 - 111.27			
		150	324.6 - 108.83			
		175	321.00 - 106.55			
AD 75 V	75 / 100	100	541.83 - 249.45	77	W:48.11" L:84.65" H:75.59"	4410
		125	497.35 - 247.51			
		150	458.52 - 244.81			
		175	419.15 - 241.88			
AD 90 V	90 / 125	100	640.81-367.28	78	W:53.66" L:90.00" H:84.00"	6112
		125	582.85-367.28			
		150	523.90-367.28			
		175	470.29-367.28			
AD 110 V	110 / 150	100	766.82-496.88	79	W:53.66" L:90.00" H:84.00"	6396
		125	678.71-496.88			
		150	600.19-496.88			
		175	541.51-496.88			

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

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