



**Unlock Superior Efficiency
and Cost Savings
with ABAC's Advanced
CROSS Compressor**

**CROSS 500
& CROSS 900**



Transform Your Operations: switch from Silent Piston Compressor to revolutionary ABAC CROSS

Step into a new era of efficiency by upgrading from traditional Silent Piston technology to our advanced oil-injected screw technology.

While pistons are often the automatic choice for smaller compressors, CROSS delivers compelling benefits for growing businesses.

The CROSS platform combines the best of both worlds: compact yet powerful performance, silent operation, and low maintenance.

It fits seamlessly into multiple operational channels, providing robust performance akin to a screw compressor but at the cost of a piston compressor.

You can expect a significant boost in productivity and an enhanced customer experience, making your operations smoother and more productive than ever before.

This transition is seamless and comes at an attractive price point.

Revolutionise your business with the next generation of compressor technology.

Discover unmatched performance and savings, switch from Silent Piston to ABAC's CROSS Compressor.



Head-to-Head: CROSS Compressor vs. Silent Piston



Silent Piston Compressors



CROSS Compressors

Air Yield	70-75% of intake air	95% of intake air • Less power consumption for the same air delivery
Footprint	Versions that require more than 1 m ² for installation	Compact versions, save up 50% of space with better performance
Sound Level	Greater than 67 dB(A)	From 60 to 63 dB(A) • As quiet as a household appliance
Operation	For intermittent use	For intermittent and continuous use • Ready for your growing air needs
Air Quality	High residual oil content and moisture	Low oil content and dry air (with integrated dryer) • Protect your tools and save on maintenance
Vibrations	High	None • Enjoy higher reliability and less downtime
Starting Current	7-10 times the nominal value	0.5 times the nominal value for VSD • Lower your installation costs



Engineered for constant reliability, it ensures long-lasting use, instils confidence, and provides consistent results.

Its super silent operation, compact design, and lower maintenance requirements make it an ideal choice for businesses looking to optimise their operations and reduce their impact.



up to **25%**
Energy Savings



up to **40%**
Performance Boost

Optimise Operations with the CROSS Compressor

Innovate and Save

Maximise Profits, Minimise Energy with the CROSS Compressor by ABAC

Our advanced technology is expertly designed to minimise energy usage and maximise profitability.

Elevate your business with the CROSS Compressor's exceptional performance.

Enjoy up to 40% greater efficiency and 25% energy savings for continuous and intermittent use.

Its robust design includes easy service access and an optional integrated dryer for condensation-free, quality air.

Choose from the flexible CROSS 500 and CROSS 900 models, available in floor- and tank-mounted versions, perfect for small-scale operations like body shops and workshops.

The CROSS Offers



High Performance



Longer Working Hours



Quieter Operation



Cleaner Air



Lower Cost of Ownership



CROSS 500

- Up to 500 l/min Real FAD
- Payback on investment in less than one year
- Perfect for small spaces with limited tool requirements



CROSS 900

- Up to 900 l/min Real FAD
- Immediate payback compared to large Silent Piston compressors
- Ideal for professional tools and small equipment

The Benefits of CROSS Technology

Why Switch to CROSS?

ABAC's CROSS Compressor, a unique blend of reliability, compactness, and silence, is ideal for your immediate air needs.

With its user-friendly and intuitive design, the CROSS Compressor makes operation a breeze. Its efficient performance ensures more air in less time, reducing energy consumption.

The CROSS Compressor aids in reducing CO₂ emissions and offers a highly cost-effective solution, ensuring a significant return on your investment.

Experience the ease of use with a simple setup, monitoring, and control system that increases uptime.

The high-performance air-end design is known for its reliability and consistent quality.

Incorporating inverter technology with a high turndown value reduces stress on components and offers IP54 filter protection.

Our premium PM motor is air-cooled and protected by IP23, ensuring durability and flexibility in air output to meet your specific needs.

Condensate Prevention

Rotary screw compressors sometimes run the risk of condensation under low load conditions. The CROSS eliminates the chance of this happening.

Key Features

Comfortably quiet

Designed for your shop floor, the CROSS operates at an impressively low 60 dB(A), comparable to a household appliance. Enjoy a powerful performance without the noise.

30% space savings

The CROSS Compressor offers 30% more space savings compared to Silent Piston models. Its compact design frees up valuable floor space, allowing you to optimise your workshop layout without sacrificing performance. Thanks to smaller pressure fluctuations, a smaller vessel will suffice.

Lower Maintenance

Experience lower maintenance with the CROSS Compressor - your first service is only after 2000 hours or one year! Enjoy peace of mind with our Fixed Kit and transparent pricing, ensuring no surprises.

Significant Energy Savings

Achieve a remarkable 25% energy reduction compared to Silent Piston compressors with the CROSS, ensuring efficiency without compromise.

Cost-effective to Buy and Own

The CROSS offers more than just efficiency - it's also cost-effective. Eliminating the need for a separate compressor room and complex piping reduces initial investment and operational costs. Experience higher Free Air Delivery with minimal pressure drops, ensuring substantial energy savings from day one.

Higher Reliability

A smoother and more gradual start-up ensures an 80% decrease in stress on bearings and belts, resulting in a longer lifetime and lower maintenance costs. It also reduces the inrush current, preventing electrical components from overheating and avoiding utility provider penalties.

Customised Performance for Versatile Applications: Ideal for Small-Scale

The CROSS Compressor is ideal for body shops, carpenters, small mechanical workshops, car and bike workshops, small equipment assembly, and professional laundries.



Body shops



Carpentries



Small mechanical processing



Car/bikes workshops



Small equipment assembly



Automotive

Reasons to Buy

- ✓ The CROSS Compressor offers flexible air output for businesses focused on body shops and light industries.
- ✓ The CROSS Compressor offers substantial energy savings and significant CO₂ reduction, making it a responsible choice for your business.

Performance data

Model	Max. working pressure	Reference working pressure	FAD @ reference conditions*			Motor power		Noise level**
	bar	bar	m ³ /h	l/min	cfm	kw	hp	dB(A)
CROSS 500	10	9.5	29.9	498	17.6	4	5.5	60
CROSS 900	10	9.5	50.9	848	29.9	7.5	10	63

* Unit performance measured according to ISO 1217 ed. 4 2009, annex E

** Noise level measured according to ISO 2151 2004

Dimensions

Model	Dimensions (mm)			Weight
	Length	Width	Height	kg
Base mounted	780	615	946	99
Tank mounted 100 L*	1080	660	1354	123
Tank mounted 200 L	1550	750	1502	153
Tank mounted dryer 200 L	1550	750	1502	180

* Model only available for CROSS 500



Air. Anytime. Anywhere.

Unlock Superior Efficiency and Cost Savings with ABAC's Advanced CROSS Compressor

Contact your local ABAC representative now

www.abacaircompressors.com

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