



Formula Series

5,5 to 30 kW

FORMULA

Air. Anytime. Anywhere.

Join the ABAC advantage

Our brand values

ABAC Aria Compressa was founded in 1980 but its compressed air heritage dates back over 60 years. Customer expectations have always driven product development, resulting in a portfolio which fulfills your compressed air needs and offers you the value you are looking for. Additionally, our worldwide presence makes sure we are at your service at all times.

Benefit from these five strong values and team up with ABAC today.



★ Technology leader

With years of experience, ABAC can rely on an extensive technical know-how to provide you with compressed air solutions that get the job done. Understanding the needs of our customers, we lead the compressed air field by example.

★ Recognised quality

You expect quality and reliability from your ABAC compressor. Our production facilities combine history and experience with the latest production methods. We certify and guarantee every product we manufacture to make sure that ABAC is a partner you can rely on.

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★ Value for money

As a customer, you want a product that offers you value for money. ABAC does just that, offering a full portfolio of products at a competitive price. With the right mix of flexibility and experience we deliver value at the right price to the industrial, professional and DIY compressed air markets.



★ Extensive network

A vast network of distributors and resellers (over 1000 in more than 100 countries) means that there is always an ABAC representative nearby to provide you with service, support or products. As such, all you need to do is focus on your business, ABAC takes care of the rest.

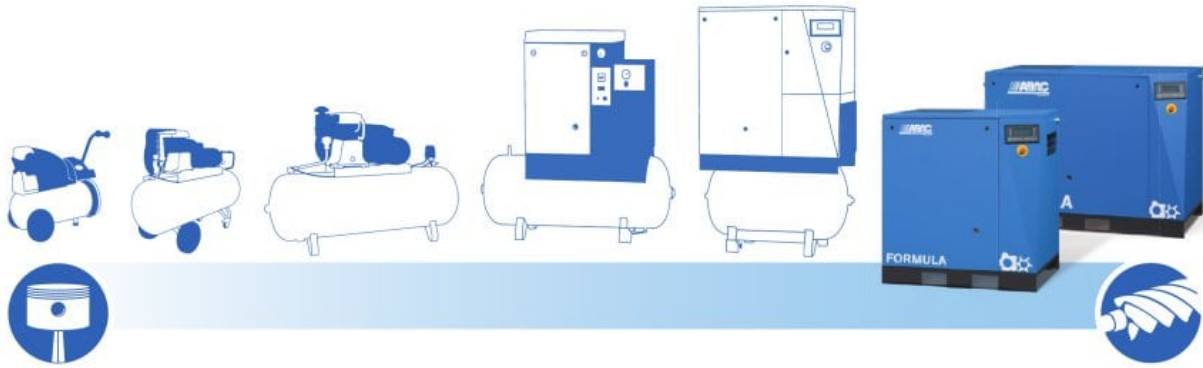
★ User-friendly design

Developing products with the customer in mind has always been a mainstay of ABAC's philosophy. As a result, ABAC compressors are designed to be easy to use providing you compressed air that is available when and where you need it.

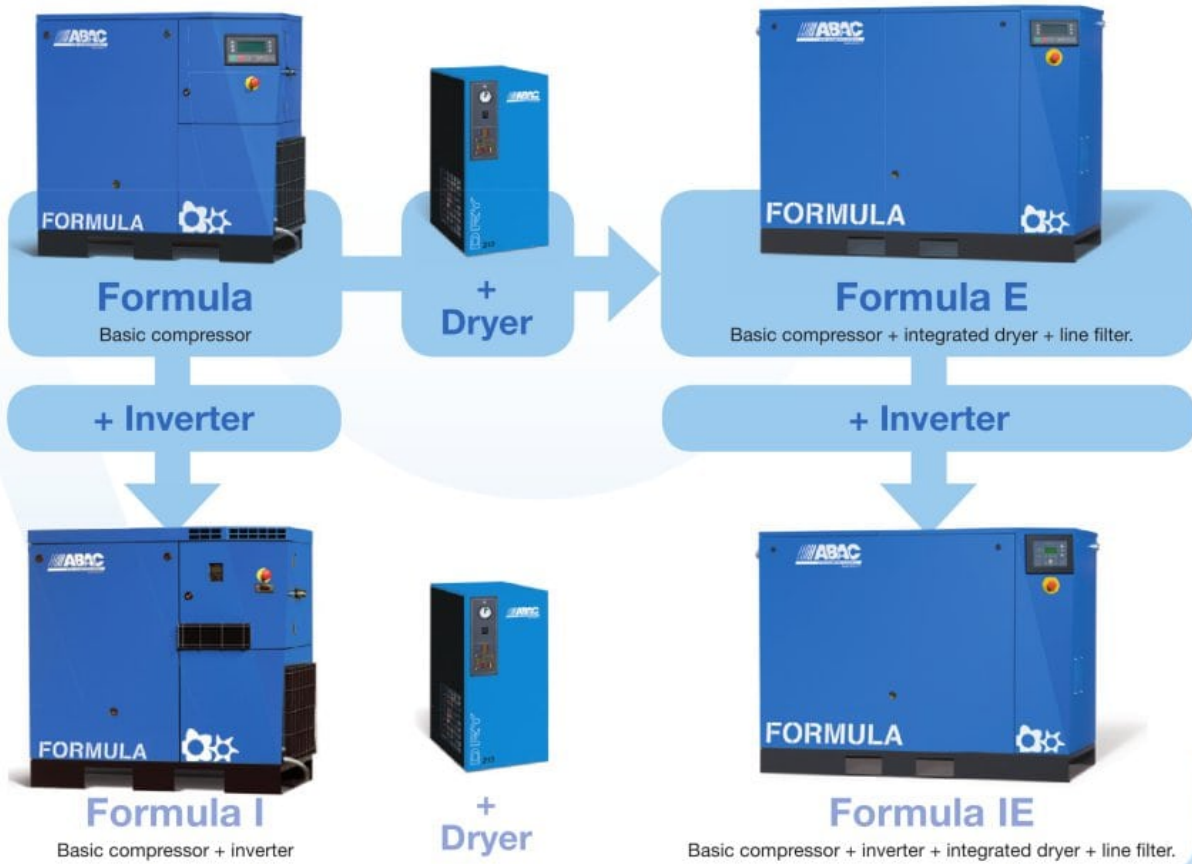


Premium modularity

The FORMULA Series lives up to its name. To serve basic or very demanding needs, multiple choices of configurations are available for you.



How to choose your Formula



Formula & Formula E Fixed speed compressors



Formula Basic compressor



Space efficient design

The FORMULA Series compresses and processes high quality air on a minimal space.



Only 0,94 m2
Formula / Formula I 15 - 30 kW

Formula E

Basic compressor + integrated dryer + line filter.

Dry and clean air, ready to use.

Untreated compressed air contains a lot of moisture, solid and liquid particles that can compromise or even damage your pneumatic equipment. The FORMULA E Series spares you from this trouble by providing you with dry and clean air, suitable for most applications.



Silent & ecological dryer

The Formula E is built with a energy efficient refrigerant dryers utilising ecological gases are R134A or R404A. Also every units features a noise free automatic condensate drain that discharges only water, no air. A silent, efficient & ecological process that respects the environment.



Ultimate clean air

Ensuring a very clean air suitable for the most demanding pneumatic applications, every Formula E is equipped with efficient filtration for liquid and solid particles up to 0,1 micron.



Easy handling

Simple to transport, easy to carry and fast to install. The FORMULA Series have 3 points of accessibility: at the front, the left and the right.

Formula I & Formula IE Variable speed compressors



Only 0,70 m²
Formula 5 - 15 kW

Formula I Basic compressor + inverter



Formula IE Basic compressor + inverter + integrated dryer + line filter.

Basic compressor + inverter + integrated dryer + line filter.



Only 1,30 m²
Formula E / Formula IE 18 - 20 kW



Full control in a few clicks

The MC2 controller gives you easy access to menus and all key performance indicators necessary to drive your operation. It also features remote control interface with up to 4 compressors, programmed routine maintenance, fault log and several other functions.



Powerfull cooling

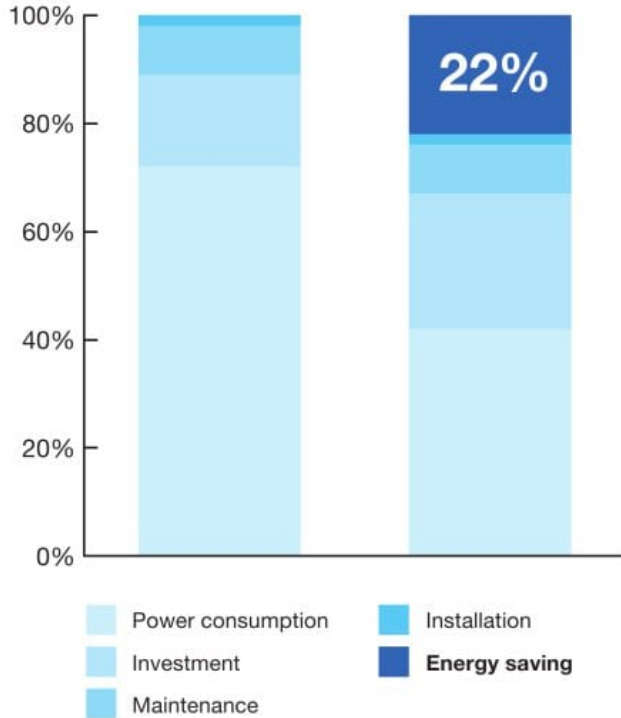
A turbine instead of a normal fan is fitted on the motor shaft for an improved cooling efficiency of oil and air. On top of this an independent motor cooling ensures ideal temperatures for your motor even in the most demanding conditions.



New generation air ends

The new generation air ends guarantees you superior FAD efficiency, more robustness and the reliability of manufacturer who assembles 25.000 of these air ends every year.

Save energy by using variable speed compressors



During most of the time, the air consumption in your network is not constant. A variable speed compressor reduces the speed of the main motor to follow precisely the profile of compressed air consumption. This results in considerable savings on your energy bill.

Benefits of the inverter

Soft start: reduces the current on start, protecting the motor and reducing power consumption.

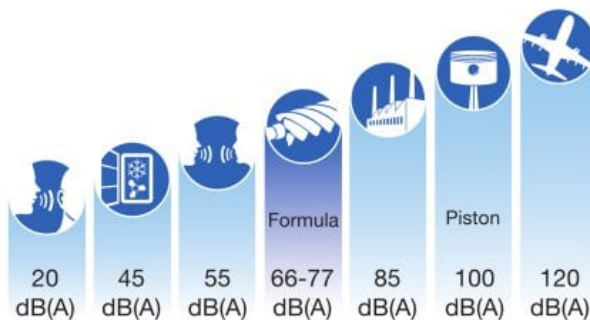
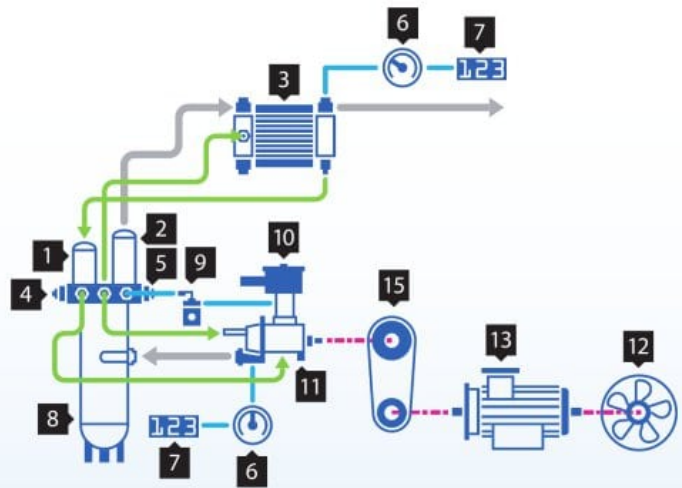
EMC Compliant: no electromagnetic interference to or from your power network.

Constant air pressure to any value between 6-13 bar: no pressure fluctuation between load and unload grants you no waste of energy.

High efficiency motor: more energy efficiency through the use of EFF1/IE2 motors.

See how your Formula works

- Compressed Air
- Air/Oil
- Air
- 1. Oil filter
- 2. Air/Oil separator filter
- 3. Air/Oil cooler
- 4. Thermostatic valve
- 5. Safety valve
- 6. Pressure control
- 7. Display
- 8. Oil tank
- 9. Suction electro valve
- 10. Air suction filter
- 11. Air end
- 12. Cooling fan
- 13. Electric motor
- 14. Temperature control
- 15. Transmission group



Silent workspace

The FORMULA Series was conceived with one thing in mind: respect to your working environment. All FORMULAs are equipped with a generous insulation that allows you to place this equipment close to your work place without disturbing your environment.



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Fixed speed



Type	kW	HP	l/min	cfm	l/min	cfm	l/min	cfm	dB(A)	L x W x H (mm)	Kg
Formula	5,5	7,5	820	28,9	670	23,7	520	18,4	66	1095 x 620 x 1070	235
Formula E											265
Formula	7,5	10	1153	40,7	1000	35,3	810	28,6	66	1095 x 620 x 1070	240
Formula E											270
Formula	11	15	1665	58,8	1435	50,7	1210	42,7	69	1095 x 620 x 1070	260
Formula E											290
Formula	15	20	1985	70,1	1771	62,5	1480	52,2	69	1095 x 620 x 1070	285
Formula E											315
Formula	15	20	2218	78,3	2020	71,3	1538	54,3	70	1095 x 620 x 1070	315
Formula E											345
Formula	18,5	25	2767	97,7	2567	90,6	2017	71,2	72	1204 x 786 x 1220	375
Formula E										1659 x 786 x 1220	448
Formula	22	30	3417	120,6	3017	106,5	2417	85,3	74	1204 x 786 x 1220	391
Formula E										1659 x 786 x 1220	464
Formula	30	40	3783	133,5	3367	118,9	2833	100,0	77	1204 x 786 x 1220	419

Variable Speed



Type	kW	HP	Bar	l/min	cfm	l/min	cfm	dB(A)	L x W x H (mm)	Kg
Formula I	11	15	6 - 13	425	15,0	1621,2	57,2	73	1095 x 620 x 1070	305
Formula IE										335
Formula I	22	30	4 - 10	645	22,8	3666	129,4	74	1204 x 786 x 1220	419
Formula IE									1659 x 786 x 1220	492
Formula I	22	30	7 - 13	675	23,8	3216	113,5	74	1204 x 786 x 1220	419
Formula IE									1659 x 786 x 1220	492

* Unit performance measured according to ISO 1217. Noise level measured according to ISO 2151. Reference conditions: intake air pressure 1bar, 20°C and 70% RH.

The world of ABAC



Care. Trust. Efficiency.

Care.

Care is what service is all about: professional service by knowledgeable people, using high-quality original parts.

Trust.

Trust is earned by delivering on our promises of reliable, uninterrupted performance and long equipment lifetime.

Efficiency.

Equipment efficiency is ensured by regular maintenance. Efficiency of the service organization is how Original Parts and Service make the difference.

Your Authorized Distributor



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