ABAC
AIR COMPRESSORS



Formula Series

5,5 to 30 kW

Compressed air at your service

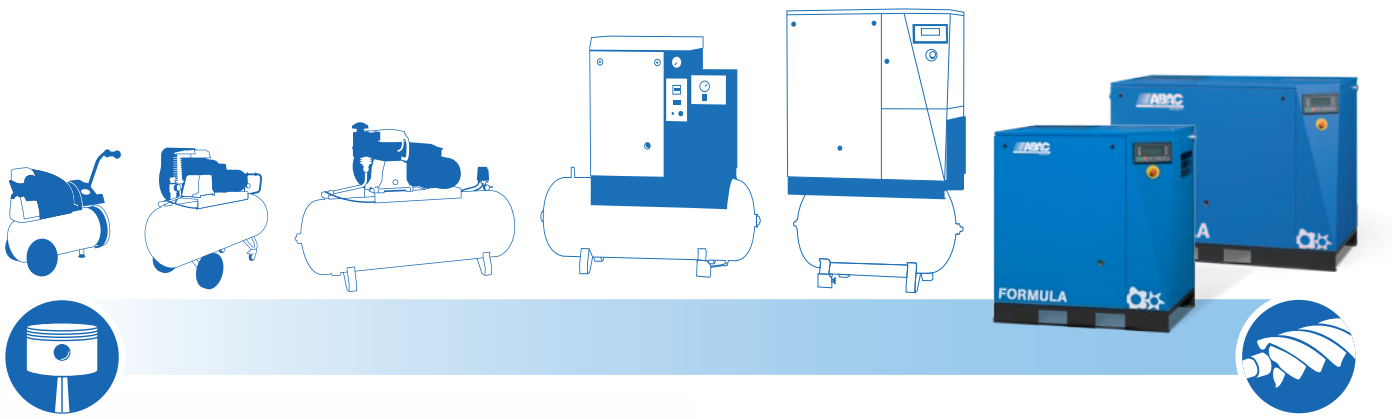


Join the ABAC advantage



Since 1980, ABAC offers the right mix of flexibility and experience for the industrial, professional and DIY compressed air markets. From state-of-the-art production facilities straight to your business via more than 300 distributors in more than 100 countries worldwide, ABAC provides you with plug & play air solutions with a quality label. We deliver trouble free workmates, both piston as well as screw compressors, that are always available and ready to use.

Join today thousands of convinced customers operating millions of ABAC compressors worldwide.



For whatever your business needs are

There is a magic FORMULA for it! Find yours!
In ABAC we developed more than 45 different FORMULAs to fit your business needs. Many different versions, power sizes, voltages, pressure variants, efficiencies and market approvals are available for service, assembly or any other industrial application.



Our famous user friendliness

Thanks to an intuitive control panel, you have a clear overview of all key parameters and system menus – so in a few touches you can easily drive your FORMULA. Besides, all the maintenance components like air, oil filters and belts are ideally positioned to enable an ultimately fast and secure maintenance.

Dedicated service kits support reliable and efficient operation and include all original parts in one single package. ABAC provides you with a simple solution based on the running hours of your compressor. All parts easy at hand while providing highest protection of your investment!



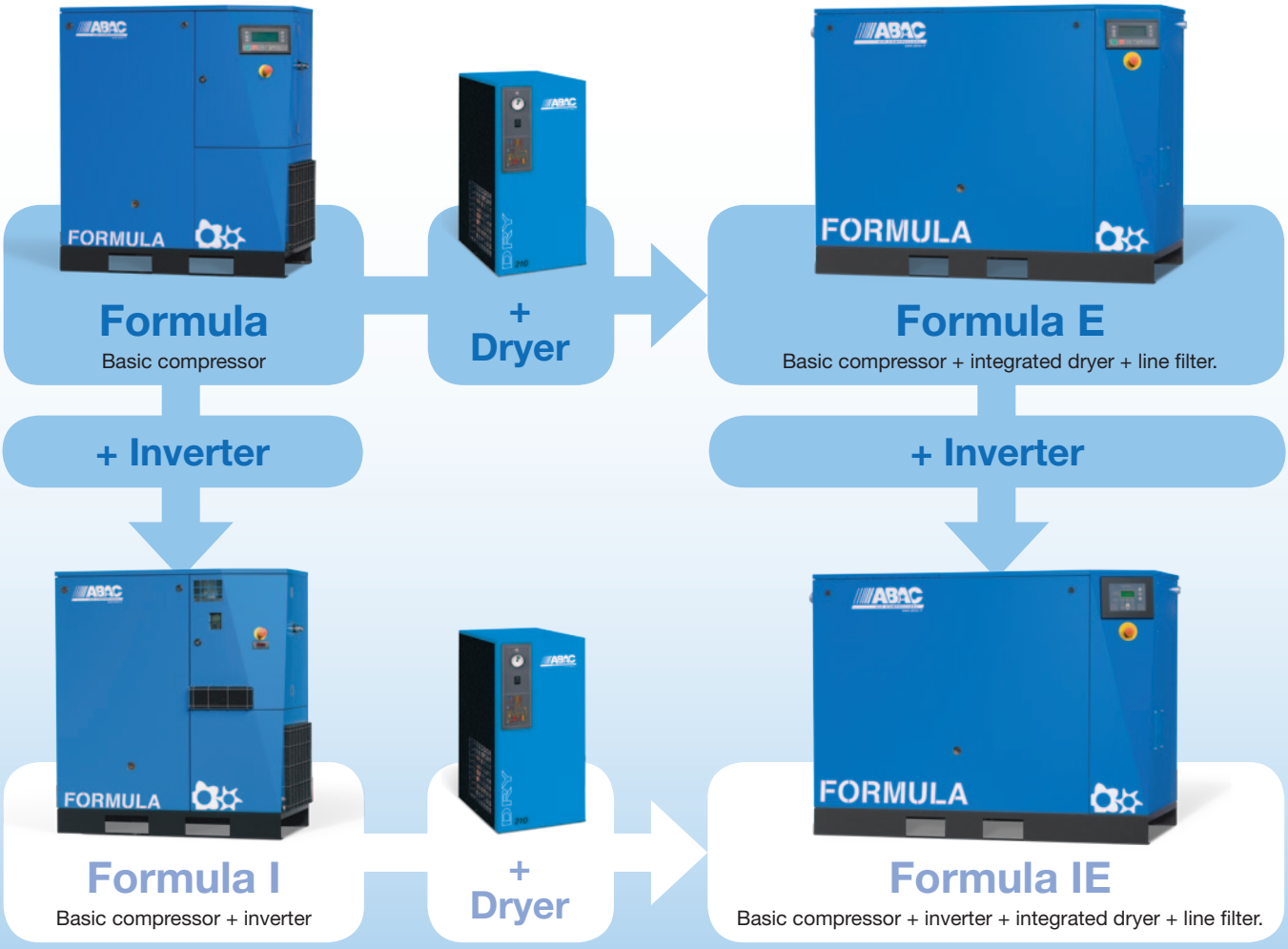
Premium modularity

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 Series

5,5 to 30 kW

Fixed speed

Type	kW	HP	l/min	cfm	l/min	cfm	l/min	cfm	dB(A)	L x W x H (mm)	Kg
					8 Bar		10 Bar		13 Bar		
Formula	5,5	7,5	820	28,9	670	23,7	520	18,4	66	1095 x 620 x 1220	235
Formula E											265
Formula	7,5	10	1153	40,7	1000	35,3	810	28,6	66	1095 x 620 x 1220	240
Formula E											270
Formula	11	15	1665	58,8	1435	50,7	1210	42,7	69	1095 x 620 x 1220	260
Formula E											290
Formula	15	20	1985	70,1	1771	62,5	1480	52,2	69	1095 x 620 x 1220	285
Formula E											315
Formula	15*	20	2218	78,3	2020	71,3	1538	54,3	70	1095 x 620 x 1220	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
				Min		Max				
Formula I	11	15	6 - 13	425	15,0	1621,2	57,2	73	1095 x 620 x 1220	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: instake air presure 1bar, 20 C and 70% UR.

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.

1



Silent & ecological dryer

The Formula E is build 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.

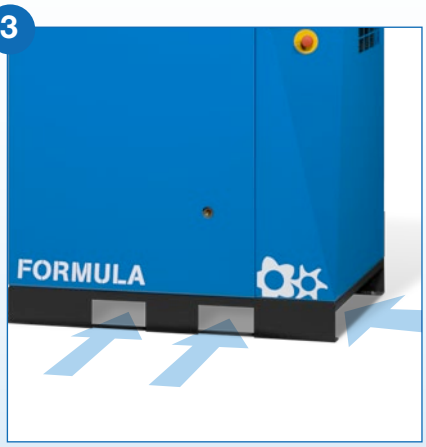
2



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.

3



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 theright.

Formula I & Formula IE

Variable speed compressors



Only 0,70 m²
Formula 5 - 15 kW



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

Formula I

Basic compressor + inverter



Formula IE

Basic compressor + inverter + integrated dryer + line filter.

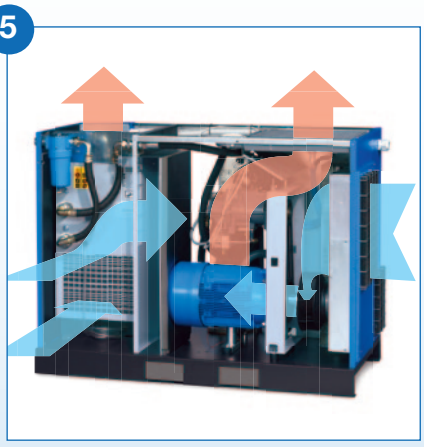
4



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.

5



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.

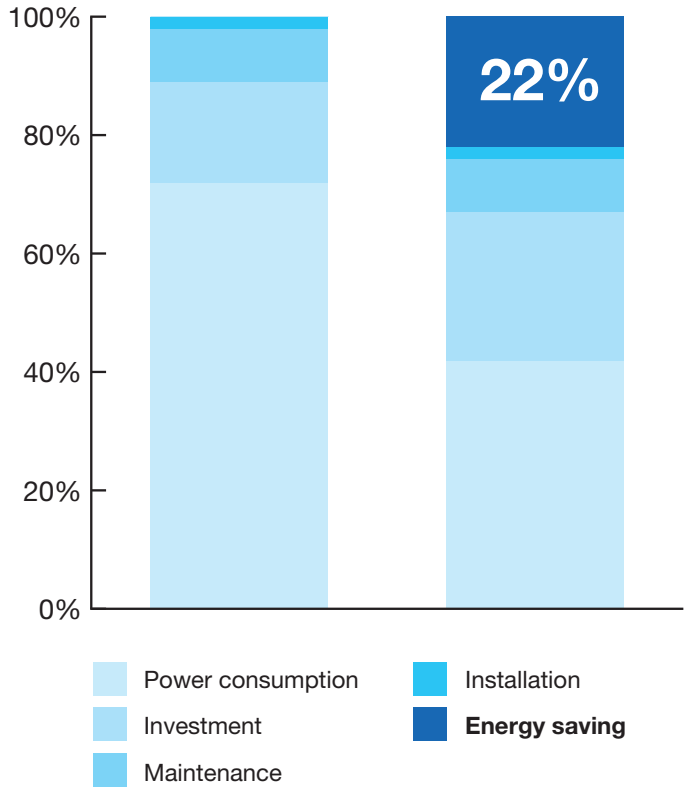
6



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.

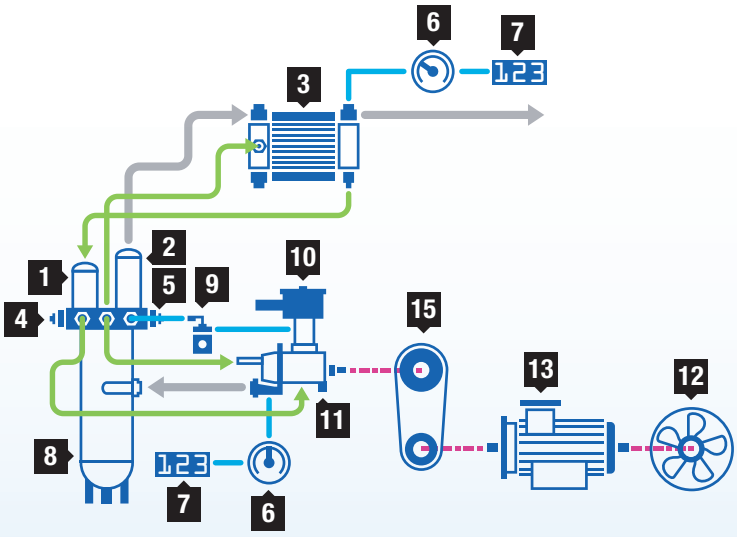
Constant air pressure to any value between 6-13 bar: no pressure fluctuation between load and unload grants you no waste of energy.

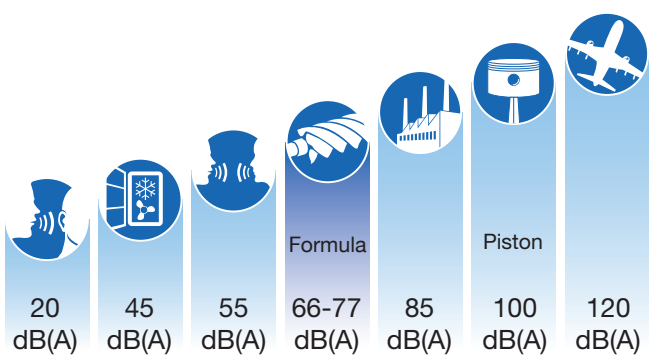
High efficiency motor: more energy efficiency through the use of EFF1/IE2 motors.

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.

The world of ABAC



Original parts.
Your quality assurance.

The ‘original part’ identification confirms that these components passed our strict test criteria. All parts are designed to match the compressor and are approved for use on the specified compressor. They have been thoroughly tested to obtain the highest level of protection, extending the compressors’ lifetime and keeping the cost of ownership to an absolute minimum. No compromises are made on reliability. The use of ‘original part’ certified quality components helps ensure reliable operation and will not impact the validity of your warranty, unlike other parts. Look for your quality assurance.

Your Authorized Distributor

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ABAC AIR COMPRESSORS

Compressed air at your service

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Our products are constantly being developed and improved. We thus reserve the right to modify product specifications without prior notice.