



## Formula Series

5,5 to 30 kW



Compressed air at your service

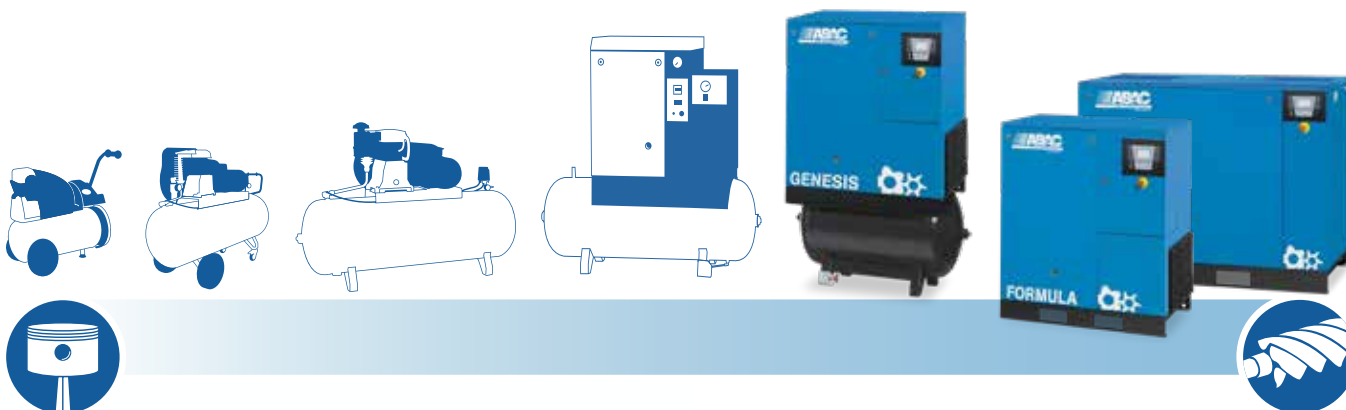


# Join the ABAC advantage

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!



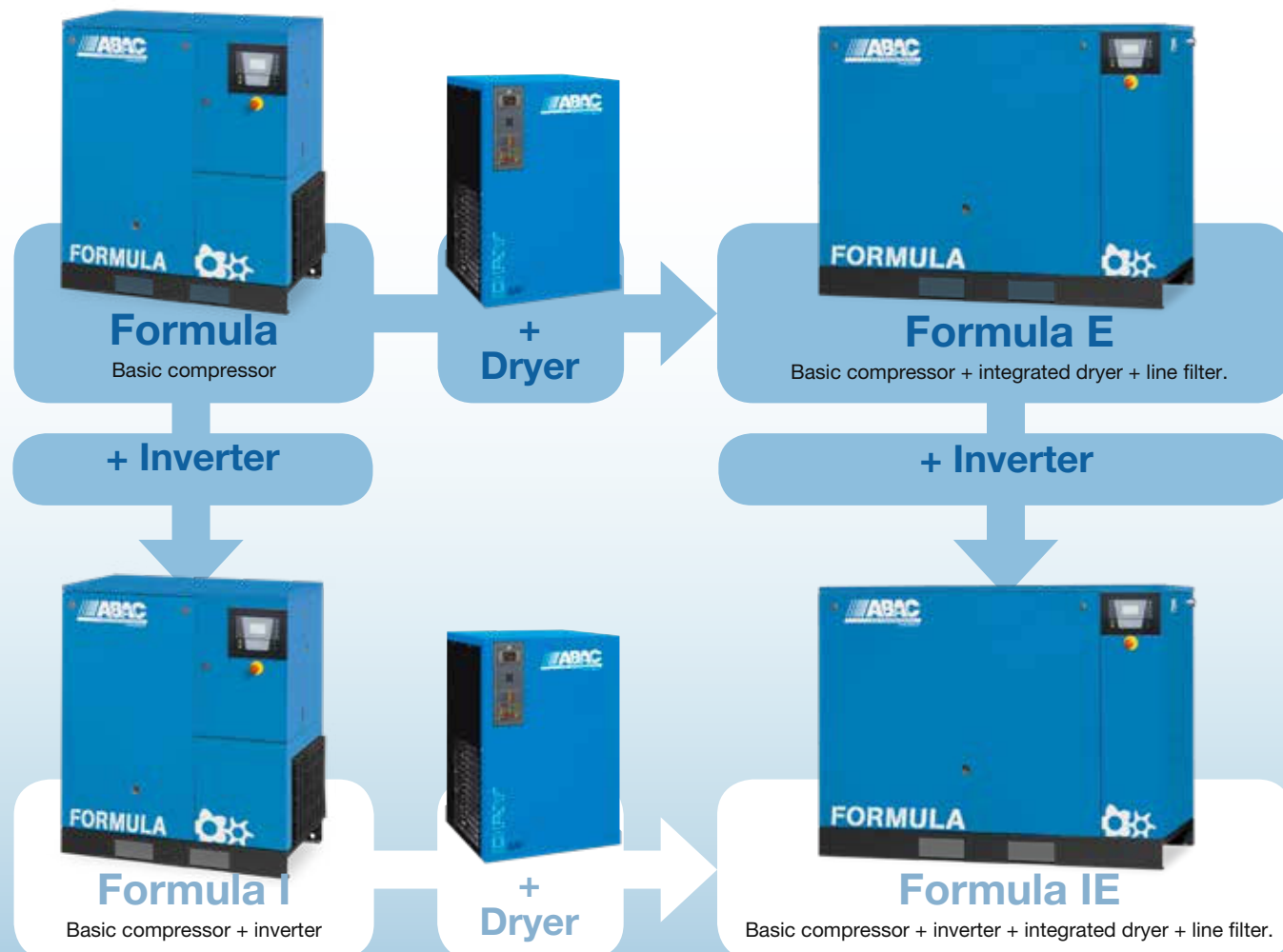


# Premium modularity

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
Formula 5,5	5,5	7,5	880	31,1	700	24,7	-	-	62	1065 x 665 x 1070	241
Formula 5,5 E											268
Formula 7,5	7,5	10	1240	43,8	1080	38,1	830	29,3	63	1065 x 665 x 1070	246
Formula 7,5 E											276
Formula 11	11	15	1675	59,2	1510	53,3	1210	42,7	65	1065 x 665 x 1070	266
Formula 11 E											296
Formula 15	15	20	2330	82,3	2110	74,5	1690	59,7	67	1065 x 665 x 1070	270
Formula 15 E											297
Formula 18	18,5	25	3110	109,8	2720	96,1	2300	81,2	69	1204 x 805 x 1220	361
Formula 18 E										1659 x 805 x 1220	434
Formula 22	22	30	3650	128,9	3240	114,4	2770	97,8	70	1204 x 805 x 1220	377
Formula 22 E										1659 x 805 x 1220	450
Formula 30	30	40	4326	152,8	3900	137,7	3436	121,3	71	1204 x 805 x 1220	405
Formula 30 E										1659 x 805 x 1220	478

### Variable Speed



Min



Max

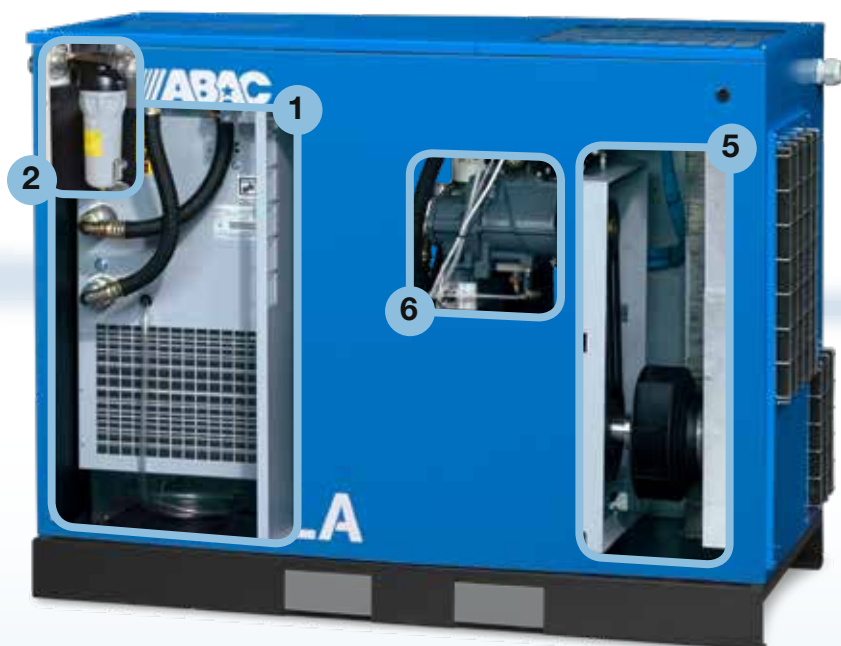


Type	kW	HP	Bar	l/min	cfm	l/min	cfm	dB(A)	L x W x H (mm)	Kg
Formula 7,5 I	7,5	10	5-13	125	4,4	1200	42,4	63	1065 x 665 x 1070	255
Formula 7,5 EI										285
Formula 11 I	11	15	5-13	380	13,4	1750	61,8	65	1065 x 665 x 1070	275
Formula 11 EI										305
Formula 15 I	15	20	5-10	620	21,9	2310	81,6	67	1065 x 665 x 1070	280
Formula 15 EI			5-13	485	17,1	1865	65,9			307
Formula 18 I	18,5	25	5-10	575	20,3	2935	103,6	69	1204 x 805 x 1220	370
Formula 18 EI			5-13	490	17,3	2465	87,1		1659 x 805 x 1220	445
Formula 22 I	22	30	5-10	625	22,1	3390	119,7	70	1204 x 805 x 1220	400
Formula 22 EI			5-13	530	18,7	3050	107,7		1659 x 805 x 1220	490
Formula 30 I	30	40	5-10	1456	51,4	4400	155,4	71	1204 x 805 x 1220	447
Formula 30 EI			5-13	1600	56,5	3792	133,9		1659 x 805 x 1220	520

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

# 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 0,88 m<sup>2</sup>  
Formula / Formula I 18-30 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 build with energy efficient refrigerant dryers utilising ecological gases. Also every units features a noise free automatic zero loss 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 oil up to 0,1 mg/m<sup>3</sup> and solid particles up to 0,1 micron (Filter type G).



### 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 0,65 m<sup>2</sup>  
Formula 5 - 15 kW



Only 1,24 m<sup>2</sup>  
Formula E / Formula IE 18-30 kW

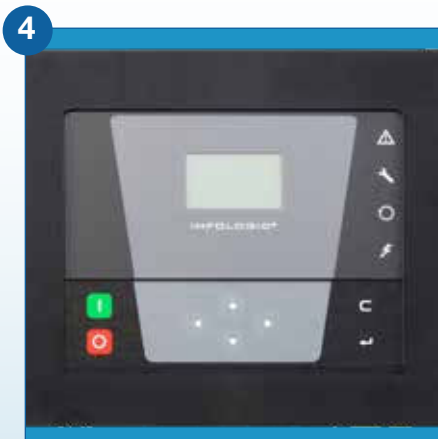
### Formula I

Basic compressor + inverter



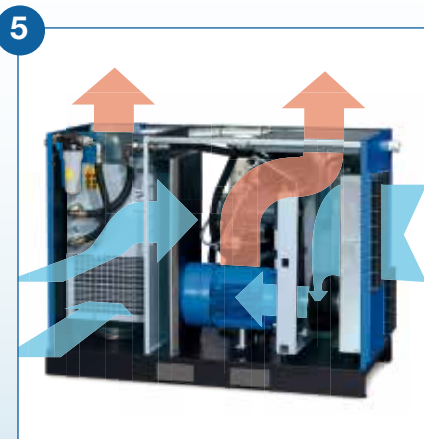
### Formula IE

Basic compressor + inverter + integrated dryer + line filter.



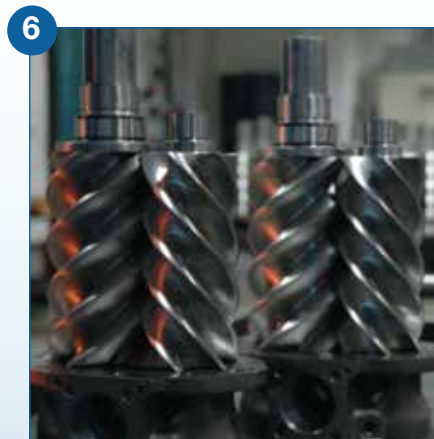
#### Full control in a few clicks

The Infologic2/Airlogic2 controllers give you easy access to menus and all key performance indicators necessary to drive your operation. It also features remote control interface with up to 6 compressors, programmed routine maintenance, fault log and other functions.



#### Powerfull cooling

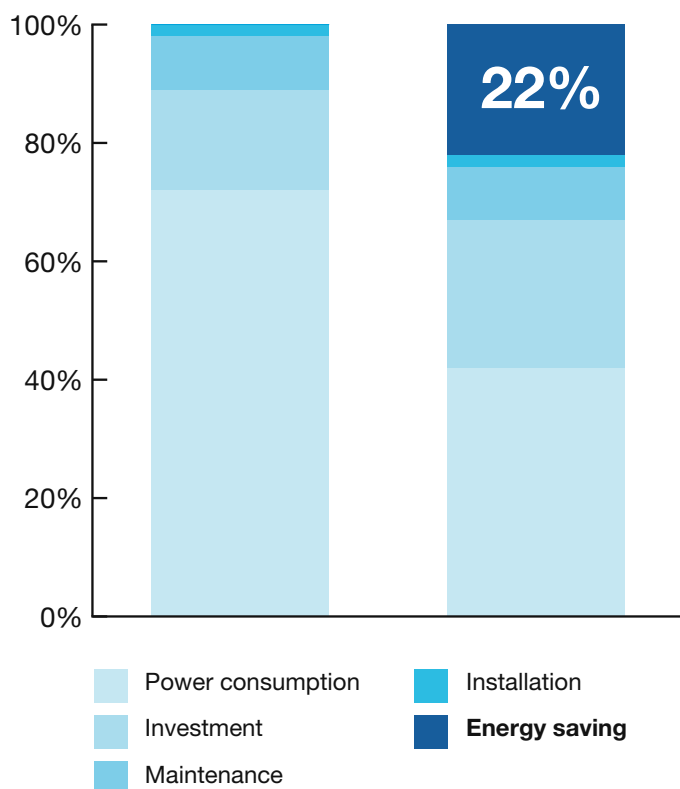
A radial fan instead of a normal fan is fitted on the motor shaft for an improved cooling efficiency of oil and air. On top of this an independent motor cooling ensures ideal temperatures for your motor even in the most demanding conditions.



#### New generation air ends

The new generation air ends guarantees you superior FAD efficiency, more robustness and the reliability of a 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.

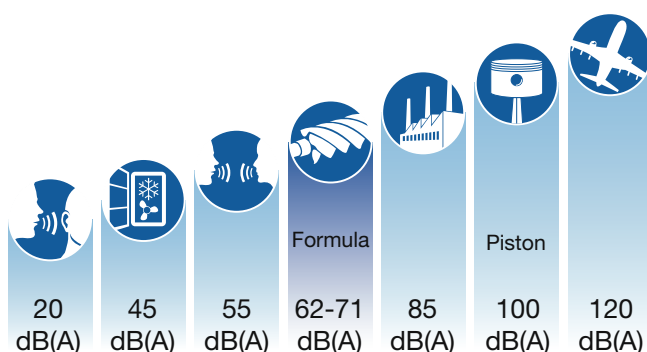
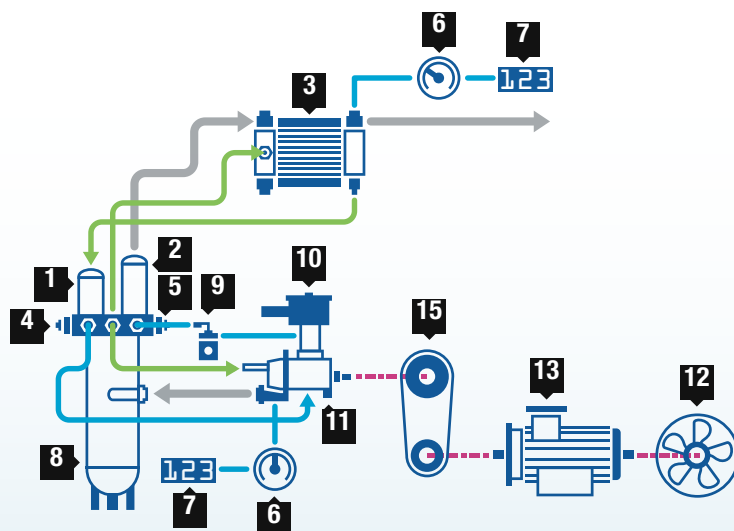
**EMC Compliant:** no electromagnetic interference to or from your power network.

**Constant air pressure to any value between 5-13 bar:** Maintaining a constant target pressure ensure no unloaded operation and subsequent wasted energy is avoided

**High efficiency motor:** more energy efficiency through the use of IE2 motor.

## 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



## 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 Authorised Distributor

**HSI** HEDMARK SERVICE AS

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Air. Anytime. Anywhere.