



Genesis Series

5,5 to 22 kW



Compressed air at your service

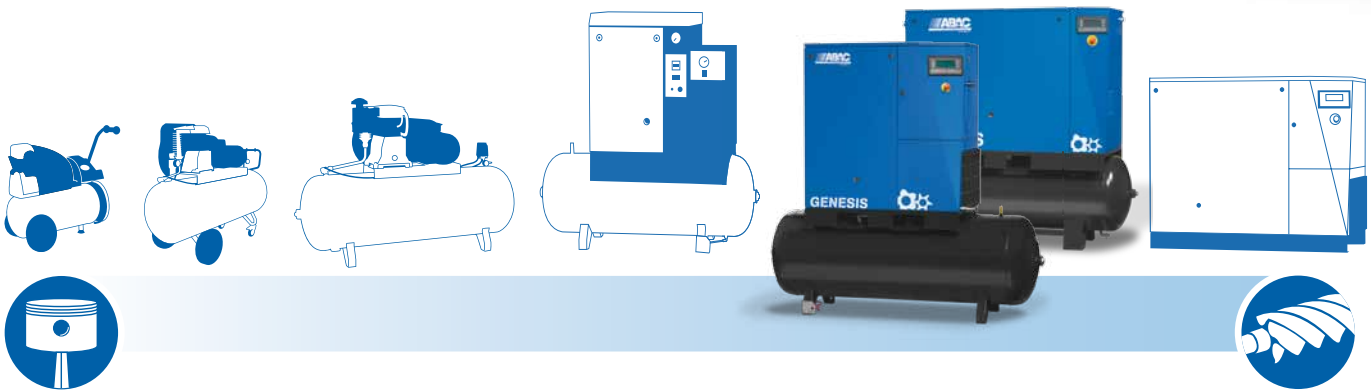


Share the ABAC advantage

Since 1980 ABAC has offered all of its customers unique benefits due to the unrivalled success in all sectors of the compressed air industry. From our state of the art manufacturing facilities we deliver solutions directly to your business through a network of over 300 distributors located in more than 100 countries throughout the world. ABAC provide you with a modern 'plug and play' solutions where the emphasis is placed on delivering the highest quality and the best available service. We deliver the most reliable solutions in both reciprocating and rotary screw compressor technology that work for you and your business year after year.



You can share in the benefits enjoyed by thousands of customers and millions of installations throughout the world.



The Genesis concept

A compressed air installation usually requires many different components: a compressor, receiver, cyclonic separator, refrigerated dryer, drains and a post filter. All of these complex elements can now be replaced with just one convenient unit; Genesis the complete compressed air workstation. A unique integrated solution!

Our famous user friendly design

Thanks to an intuitive control panel, you have a clear overview of all key parameters and system menus - so in a few moments you are up and running and enjoying all the benefits of your Genesis. Besides, all the maintenance components like air, oil filters and belts are ideally positioned to enable quick and secure maintenance to be performed.

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 are provided within the kit ensuring that your investment is protected at all times!



The reference workstation

The legendary Genesis, the original plug and play compressed air workstation. Everything you need in a single compact, attractive and convenient unit.



Today, we are just three steps away from installing a complete compressed air system:

Connect the piping network

Connect the power supply

Start to work

Simplicity with sophistication, built to last

- A fully optimised solution that includes: refrigerated dryer, automatic condensate drains, high efficiency filtration, air receiver and controls.
- Designed to be durable with outstanding reliability, a result of our in-house manufacturing and technology.
- All the benefits of our large industrial technology in terms of efficiency, low ownership costs, convenient and safe controls and reduced energy consumption.
- Our variable speed versions optimise your energy efficiency by only delivering the amount of air that your system is using in real time, fully flexible matching costs to your usage.

Genesis and how ABAC make choosing a fully featured compressed air system, simple.

Genesis

Fixed speed compressors



Only 1,24 m² (5 - 15 kW Series)

Compact design

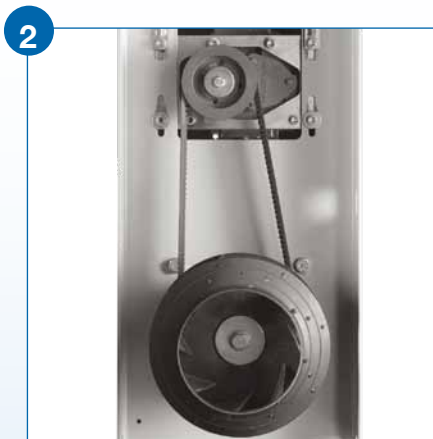
The Genesis Series compresses and processes high quality air using a minimum of space.

Only 0,70 m² (5 - 15 kW-Series)



Dry and clean air, ready to use

Every Genesis is built with a generously sized dryer that provides you moisture free air at all times. All units are also equipped with an efficient filtration system that filters solid and liquid particles down to 0.1 micron. The result is simple: dry and clean air suitable for the majority of industrial applications.



Simple and quick maintenance

The ideal positioning of all service items including oil/air filters, v-belts plus an external oil level indicator enable the ultimate in rapid convenient maintenance. The long service interval and smart maintenance kits make the user friendly experience even more complete.



Full control in a few clicks

The highly developed MC2 controller allows you easy access to the various menus and key performance and operational indicators. The MC2 features a remote control interface allowing the control/sequencing of up to four compressors. The maintenance plan, fault log and many other safety/control features are all available from the clear, simple to use MC2 controller.

Genesis I

Variable speed compressors

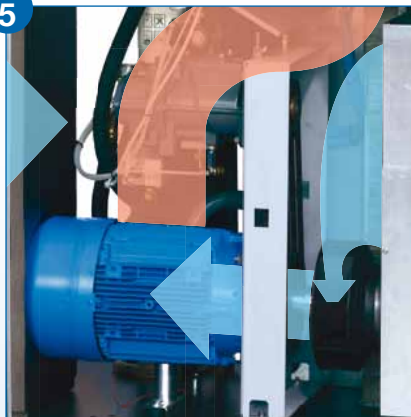


Only 1,50 m² (18 - 22 kW-Series)



New generation air ends

The latest generation compressor air-ends provide higher output, lower operating temperatures, ultimate reliability with a very long service life. Our pedigree as a world leading producer of over 25,000 air-ends per year delivers real benefits at the heart of your compressor.



High efficiency is standard for a longer life with lower costs

The most efficient cooling system guarantees ideal operating temperatures are maintained, even in severe conditions. Again, the use of the highest quality components such as oversized aluminium coolers ensures continued high performance.



Zero loss automatic condensate drain

The noise free automatic condensate drain provides efficient operation with no loss of valuable compressed air. This ensures a more comfortable working environment with reduced energy consumption.

Our variable speed versions providing optimised energy savings solutions

During the normal working day you can expect your compressed air consumption to vary significantly. Our variable speed compressors utilise the latest technology in order to adjust the output of the compressor at any time in line with the exact requirements of your system. This means your energy consumption is reduced significantly especially at times when you are using less compressed air considerably reducing the operating costs of your system.

The benefits provided by our variable speed technology.

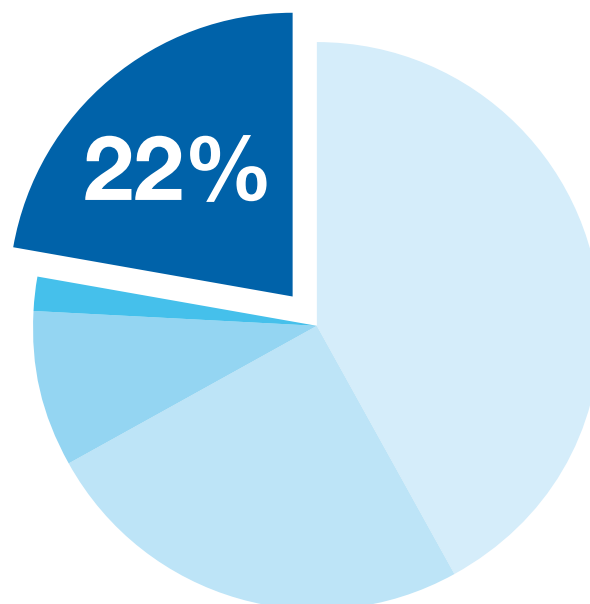
Soft start: reduces the electrical current required on start up, protecting the motor and reducing power consumption.

EMC Compliant: the system is fully protected to ensure no electromagnetic interference is present.

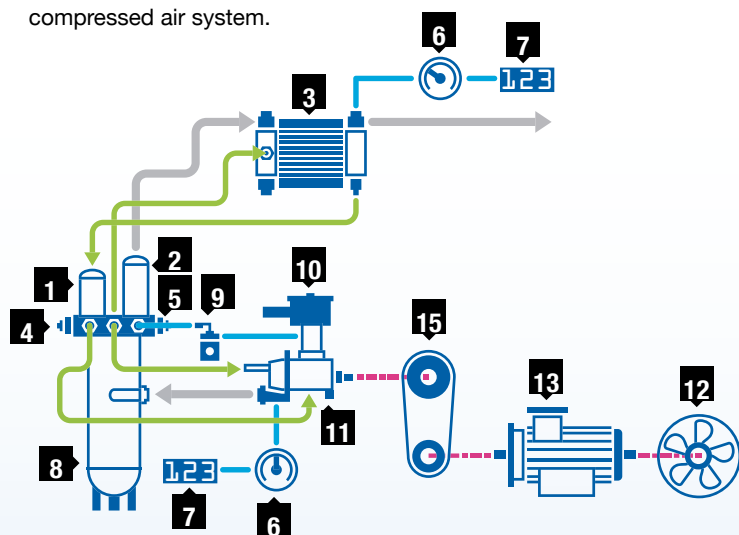
Constant pressure control adjustable between 6-13 bar:

Constant pressure control with variable speed technology mean that we avoid over pressurisation and off load operation resulting in much lower power consumption.

High efficiency motor: the use of the EFF1 motors along with our variable speed technology means that all components have been optimised to provide you with the ultimate energy saving compressed air system.



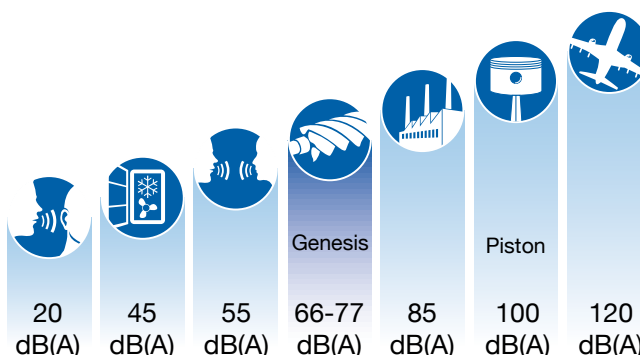
See how your Genesis works



- Compressed Air
- Air/Oil Air
- 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

Convenience with comfort wherever you are

Our low noise, space efficient workstation solution can be installed easily, anywhere in the working environment. This means lower installation costs due to a reduction in the pipe work required, however our unique design also ensures a quiet, comfortable and more productive working environment for all.





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Fixed speed



Type	Ltr	kW	HP	l/min	cfm	l/min	cfm	l/min	cfm	dB(A)	L x W x H (mm)	Kg
Genesis	270	5,5	7,5	820	28,9	670	23,7	520	18,4	66	1150 x 642 x 1837	330
	500										1935 x 642 x 1839	415
	270	7,5	10	1153	40,7	1000	35,3	810	28,6	66	1150 x 642 x 1837	335
	500										1935 x 642 x 1839	420
	270	11	15	1665	58,8	1435	50,7	1210	42,7	69	1150 x 642 x 1837	355
	500										1935 x 642 x 1839	440
	270	15	20	1985	70,1	1771	62,5	1480	52,2	69	1150 x 642 x 1837	380
	500										1935 x 642 x 1839	465
	270	15	20	2218	78,3	2020	71,3	1538	54,3	70	1150 x 642 x 1837	410
	500										1935 x 642 x 1839	495
	500	18,5	25	2767	97,7	2567	90,6	2017	71,2	72	1939 x 786 x 1841	638
	500	22	30	3417	120,6	3017	106,5	2417	85,3	74	1939 x 786 x 1841	654

Variable Speed



Type	Ltr	kW	HP	Bar	l/min	cfm	l/min	cfm	dB(A)	L x W x H (mm)	Kg
Genesis I	270	11	15	6 - 13	425	15,0	1621,2	57,2	73	1150 x 642 x 1837	399
	500									1935 x 642 x 1839	484
	500	22	30	4 - 10	645	22,8	3666	129,4	74	1939 x 786 x 1841	682
	500	22	30	7 - 13	675	23,8	3216	113,5	74	1939 x 786 x 1841	682

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

The world of ABAC



Original parts.
Your quality assurance.

Your Authorized Distributor

GEN102010

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.



www.abac.co.uk

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