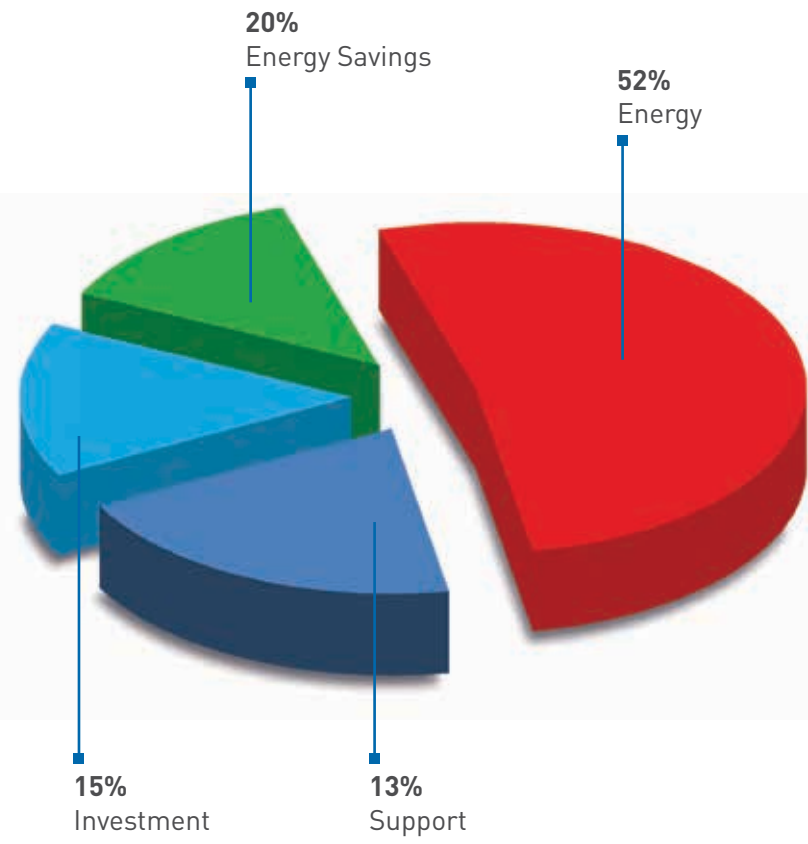


ALTA-TEC MAXIMUM ENERGY EFFICIENCY AND SAVINGS

Variable speed with inverter drive

The reduction of energy consumption and the protection of our precious environmental resources is one of the major global challenges in our times. Thanks to decades of experience in the industry, Pilot Air are recognised as a technological leader in the field of variable speed compressors, capable of guaranteeing high performance levels and efficient energy solutions. The optimised frequency converter provides the capability to dynamically regulate the frequency, voltage and current values supplied to the main electric motor, constantly eliminating useless power drops, continuously adjusting the compressed air generation in line with the amount of compressed air that is required.



MANAGEMENT COSTS
The graph shows the considerable energy savings achieved with a variable speed compressor in a typical installation.

The benefits of using the ALTA-TEC with inverter are remarkable:

- continuous control and regulation of the volume of air generated by varying the speed of the electric motor from 40% up to 100% of the motors full speed
- the compressed air generated is therefore constantly proportional to the requirements of the system
- the pressure control inside the system is controlled accurately and precisely, in a range between 6 and 13 bar, depending on the chosen compressor model

THE IMPORTANCE OF ORIGINAL SPARE PARTS...

Using certified original spare parts reduces management costs and guarantees the efficiency, reliability and longevity of the compressor at the same time providing maximum operator safety and security.



... AND SPECIAL LUBRICANTS

Our lubricants have been specially designed for use in our screw compressors and have been specially developed in cooperation with a leading manufacturer of Industrial lubricants. Available in various packaging formats and capacities and in multiple or 'bulk' packages. Specialised lubricant ensures low operating temperatures, efficient water separation, reduces friction and energy consumption, extends maintenance intervals, ensures excellent lubrication of the bearings, guaranteeing maximum all round protection.

ALTA-TEC SPECIFICATIONS

Model	Free Air Delivery @ 8 Bar		Free Air Delivery @ 10 Bar		Motor Size	Noise Level	Dimensions	Weight
	L/S	CFM	L/S	CFM				
AT 7.5VS	21.6-10	46-21	18.3-8.3	39-18	7.5 10	63	800 x 650 x 850	172
AT 11VS	28.3-11.3	60-24	26.3-10.3	56-22	11 15	67	1000 x 700 x 1000	246
AT 15VS	41.6-15.8	88-34	35-14	74-30	15 20	68	1000 x 700 x 1000	263
AT 18.5VS	51.6-17.8	109-38	43.3-15.5	92-33	18.5 25	62	1330 x 800 x 1370	541
AT 22VS	60-19.5	127-40	50.1-19.5	106-41	22 30	60	1330 x 800 x 1370	530
AT 30VS	80.8-33	171-70	71.6-26.7	152-57	30 40	66	1590 x 960 x 1560	845
AT 37VS	110-44.6	233-95	90-28.5	191-61	37 50	70	1590 x 960 x 1560	925

- F.A.D. as per ISO1217 @ 7.5 - 9.5 Bar.
- Sound levels measure as per ISO 1217 Standards.
- Technical data conforms to +/- 5%. Pilot Air reserves the right to modification without notice for design and technical improvements.
- Optional operating pressures available at 10 and 13 BAR. Contact Pilot Air or your authorised agent for details.
- High standards ensure reliability and service life, however, a full coverage for 12 months and an additional 12 months on the air end gives complete confidence.
- For over 40 years Pilot Air Compressors has been meeting the needs of industry. Ask us about your requirements.

(* Available during Pilot Air business hours of operation.)



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ALTA-TEC SERIES

VARIABLE SPEED DRIVE ROTARY SCREW AIR COMPRESSORS 7.5KW - 37KW



THE EXPERTISE YOU WANT, THE SUPPORT YOU NEED, THE VALUE YOU DEMAND

Pre and post sales technical and spare parts support just a phone call away, that's the Pilot Air Value Guarantee.

www.pilotair.com.au

Industrial and specialist air compressors, compressed air treatment products, compressed air distribution and piping systems.



ETIV controller

Simple and intuitive, sophisticated functionality and flexible programming.



Radial ventilation

Combines the highest cooling efficiency with reduced energy consumption and exceptionally low noise levels.



Minimum pressure valve

Designed to guarantee low pressure losses and reduced energy consumption.



Heat exchangers

Generously dimensioned coolers combining high efficiency heat transfer and low pressure loss.



Inverter

The latest generation inverter drive, allows for a controlled use of energy minimising CO₂ output and lowering energy costs.



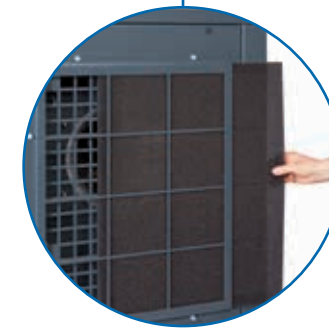
High efficiency with maximum energy savings

Utilisation of new generation high efficiency motors, drive and inverter technology allowing you to cut energy costs.



Simplified maintenance

The oil filter and spin-on type oil separator filter are easy to replace, offer a long service life and low maintenance costs.



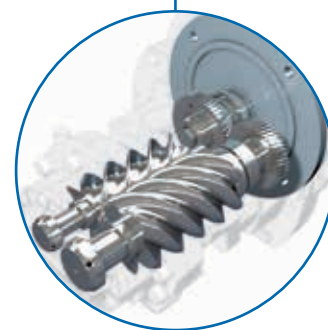
Cleaning and protection

The pre-filter panel separates incoming dust and keeps the inside of the machine clean, increasing the life cycle of the internal components.



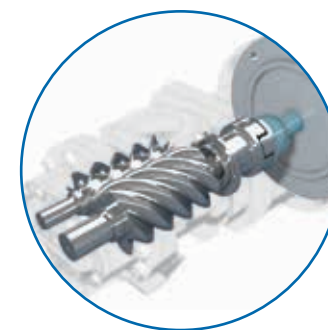
Intake regulator

Custom designed, guaranteeing high efficiency, reduced noise levels and the highest reliability. Designed to maximise savings upon startup.



Transmission

Original design offering the highest efficiency with ultimate reliability in both the direct and gear adopted versions.



OPTIMAL CONTROL AND ADJUSTMENT

ETIV - Advanced electronic controller

Controller with multi-function backlight LCD graphic display, the menu is drop down type. In the main screen are displayed:

- Working pressure (offload/load)
- Oil temperature
- Compressor status (stand-by, offload, load)
- Fan status (off/on)
- Date and time
- Hours remaining before maintenance



Remote monitoring (on demand)

GSM/GPRS/Ethernet/WiFi module (for on-line compressor status, remote assistance, connection with PC, Smartphone and Tablet, connection between neighbour compressors).

SMS Device (Service Management System)

SMS is an innovative new device that allows operators and service centres the possibility to remotely control and perform preventive maintenance checks on screw compressors equipped with a ETIV controller. These facilities are provided when the device is configured for local internet network via Wi-Fi or Ethernet connectivity. The SMS system allows for e-mails to be sent automatically in the case of a fault or other anomalies and/or for automatic regular e-mails (hourly, daily or weekly) to be sent to monitor the proper operation of the compressor and to define the remaining hours for service. Other Information and settings can be accessed remotely aimed at safeguarding the reliability of the system.



Preventive and targeted maintenance

- automatic sending of e-mails in case of alarms,
- possibility of sending e-mails which notify the compressor status and settings at pre-set intervals (hourly, daily or weekly).

Remote control of the compressor

- access to the various menu levels (user, service)
- compressor online status check
- on/off control
- no additional software is required

