

Permanent Magnet Drive Compressors

7.5kW-15kW PM Series – High Efficiency – Variable Speed Drive



Pneutech



ECO-FRIENDLY

Efficiency Under Pressure



Industries Served



Automotive



Chemical & Pharmaceutical



Food Manufacturing



Woodworking & Joinery



Beverage Manufacturing



General Manufacturing



Marble & Granite Shops



Metalworking



Printing



Package Manufacturing



Plastic Injection Molding



Dairy



Textiles



Pipe Manufacturing



PM Series

Features & Ben



Save Up To 60% On Your Compressed Air Power Costs

Many businesses attribute 15-20% of their total energy costs to generating compressed air. When replacing or installing a new air compressor it is therefore smart to consider a high efficiency system.

Compressors are typically sized to satisfy a peak demand, which may only represent an hour or two per day. For the rest of the day the demand can vary significantly.

A fixed speed air compressor trying to meet such a varying demand will continue to run for long periods and produce more air than you need and waste energy.

The Pneutech PM range only produces the air you need. When installed into a business with an air demand that varies throughout the day, the savings can be significant, even as high as 60%!

7.5kW Vixen PM vs 7.5kW Fixed Speed

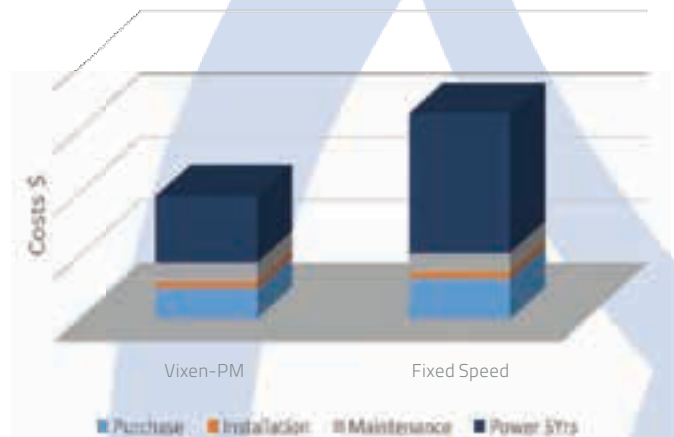


Chart compares the costs of owning a fixed-speed compressor to a Vixen 7.5kW VSD compressor over just a five-year period, where the fluctuating air demand in a typical workshop, equates to a loaded run time of 30% per day.

VSD-Permanent Magnet Efficiency

The Interior Permanent Magnet (IPM) motor uses DC power via an inverter to seamlessly speed up and slow down the compressor to match your air demands. After 20 seconds of no air demands, the motor stops.

88% Less Offload Running! Payback In 1–2 Years!

- Highest PM motor efficiency
- Energy saving special dual cooling system
- Unlimited motor start / stops per hour
- Direct connection (no gearing)
- Low noise



efits

High Efficiency Airend

- New design – increased efficiency by 5-10%
- Large oversized rotors for low rotational speed
- Asymmetric rotor profile for increased sealing between rotors
- Triple lip shaft seals
- Oil and air leak free design



IPM Motor Direct Coupled To Air End

- Highest IPM motor efficiency, even out performing IE3 efficiency levels.
- IPM motor has no cooling fan due to being linked with the compressors oil cooling system, which in turn reduces load/amp draw on motor.
- Direct drive (1:1 ratio)
- No gearing or transmission loss



Easy Maintenance

- A simple flip top design means that all components are accessible for maintenance.
- Service times are kept to a minimum Spin on separator and oil filter
- No hoses to replace. Neat rigid pipework layout. No belts to change.
- Direct-drive, belt-free design.



Low Sound Acoustic Enclosure

- Quiet noise enclosure
- Perfectly suited to indoor installation
- Can be installed close to work areas

Easy to Use Controller



- Full function controller
- Monitors: amps, kilowatts, hertz
- Shutdown protection – temperature/pressure/amps
- Keypad controller allows you to schedule on/off times through – out the day/night to maximise savings.
- Unique removable ethernet cable connected controller. Controller can be easily relocated to outside the machinery room.

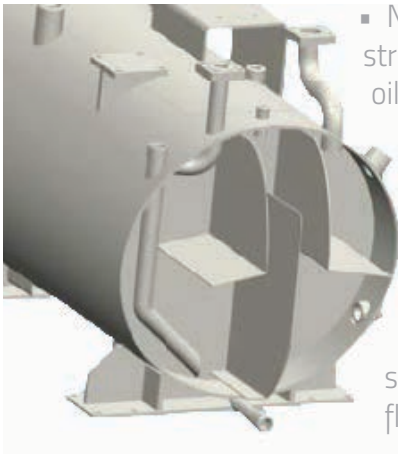
Inovance Inverter (VSD)

The Inovance inverter has a massive 25–100% variable range which converts AC to DC to control the new IPM motor. According to your air consumption the inverter will automatically adjust the IPM motor to suit your air demand while keeping a stable pressure of 0.1 bar.



More Features

Patent Design Integrated Air Receiver & Air/Oil Separator Tank



- New labyrinth structure integrates the oil/air separator tank in with the main air receiver.
- Patented design dramatically reduces the compressor size saving you on valuable floor space.

A Perfect Fit For Your Operations

All businesses share the same challenges of location, space constraints, noise level concerns and hot conditions when installing a compressor.

The unique flip-top design means that minimal room is needed around the Vixen compressor.

- All service items can be accessed from the front
- No rear service access needed
- No rear air flow ventilation required
- Minimal side clearance needed
- Can be located close to any wall
- Just 61cm wide and 125cm long
- Small compact design frees up valuable floor space – 0.85m³!



Quiet Noise Levels



The Work Health and Safety Code of Practice for managing noise at work, states that 85dB(A) is an acceptable noise level for 8 hours continuous exposure. From 68–72dB(A), the PneuTech Vixen PM-Series is extra-quiet and perfect for maintaining a safe workplace.

High Ambient Running



The PneuTech PM range has been engineered to perform in even the toughest climates. With an ambient rating of up to 45° Celsius, the range exceeds the temperature rating of many fixed speed compressors.



Air Treatment – Clean, Dry Air Options

Whenever air is compressed the humidity in the air becomes more concentrated. If this moisture is not removed it can affect downstream equipment, your production or your spray paint job. We can select the right air treatment solution to suit your needs.

Our range includes:

- Refrigerated air dryers
- Coalescing filtration (removes solids and oil vapours to as low as 0.01 micron)
- Activated carbon filters (removes oil odours from the air)
- Water separator
- Vertical air receivers
- Condensate drain filtration (adsorbs oil from condensate drains)



Specifications

Model	Flow		Pressure		Motor		Air Outlet	Sound dBA	Dimensions LxWxH (mm)	Weight Kg
	m3/min	CFM	Bar	PSI	kW	HP				
RSCR10PM-8	0.30–1.10	10–38	8	116	7.5	10	Rc 1/2"	68	124x55x102	280
RSCR10PM-10	0.23–0.90	8–31	10	145						
RSCR15PM-8	0.43–1.70	15–60	8	116	11	15	Rc 3/4"	71	125x61x112	320
RSCR15PM-10	0.38–1.50	13–52	10	145						
RSCR20PM-8	0.57–2.30	20–81	8	116	15	20	Rc 3/4"	72	125x61x112	320
RSCR20PM-10	0.52–2.10	18–74	10	145						

Pneu-Assure



*2 year warranty on
all major components**



Parts and labour warranty for 1 year
(excludes regular maintenance)



2 year warranty on major components including:

- Airend,
- Oil Sump Tank,
- Electric Motor(s),
- Air Coolers,
- and Oil Coolers



Guaranteed full support from your certified distributor



Global technical experience leading to a well-rounded point of view
on machines and industry standards



*Warranty subject to change based on region and distributor's agreement.

**Warranty is only valid providing a PneuTech approved service technician does the maintenance on the compressor.

Why PneuTech?

Personal Service
Technical Support
Customer Satisfaction
Reliable
Receptive & Adaptable
Ethical
Industry Experienced
Global

You are the number one priority when you partner with PneuTech. Your goals are our goals because your success is our success. Your experience is superior when partnering with PneuTech because of quality products and personal service. You want efficiency, reliability and versatility with the supply of air compressors and all associated equipment – so that's what we strive for.



PneuTech™
GROUP

United States
United Kingdom
Australia
New Zealand

 **PneuTech**
www.pneutech.com

Other PneuTech Products...



PDR Refrigerated Dryer

The PDR series non-cycling dryers provide high quality of compressed air and deliver lower dewpoints at a relatively low initial cost. These dryers are compact in footprint and extremely reliable, requiring little maintenance. They come standard with a programmable controller, a digital dewpoint indicator, and an aluminium heat exchanger.



RSCR 30-500 Compressors

The RSCR series fixed speed rotary screw air compressors are an exceptionally durable line of higher horsepower air compressors. Routine maintenance is simplified because of this unit's unique direct coupled design and easily removable panels (when applicable). The sound enclosure reduces noise pollution while the high efficiency electric motor brings the highest efficiencies.



RSCRV 30-500 Compressors

The RSCRV series has an energy efficient VSD inverter that gives you unlimited motor starts per hour, consistent discharge pressure, soft motor starts, 30% turndown, and reduced power consumption! This unit also comes standard with an electronic controller, low RPM with its oversized air end design, an oversized air/oil cooler, spin-on filtration, and much more!



RSCRD-V Oil Free Compressors

The RSCRD-V series oil-free air compressor produces high quality Class 0 compressed air, for food and beverage industry requirements. Incorporating a 100% "dry" two-stage compression process, this series guarantees human safe compressed air while providing the full benefits of a VSD drive screw compressor.

WOS Oil/Water Separators

The WOS 40-1250 cfm series condensate oil water separators have been developed for excellent separation of lubricant and oils from condensate generated from rotary screw, rotary vane, and other types of compressor equipment. These units allow for EPA friendly disposal of your condensation.



PF Inline Filtration

PF inline filtration comes standard with a differential pressure gauge and are protected with an interior and exterior powder coating finish. They hold a replaceable filter that can be quickly and inexpensively maintained. All housings come standard with internal float style drain valves.



PN Nitrogen Generators

The PneuTech Modular Nitrogen Generation system is a cost-saving alternative to buying bottled nitrogen from another company. A relatively low initial investment combined with very low operating costs results in savings up to 60%! Its unique modular design makes for a very compact system, while extra modules can be added at a later date as requirement increases.



Providing
high efficiency
Delivering
exceptional value
of ownership

Mission Statement:

Using our combined industry experience, we provide knowledge, support, and superior products to compressed air distributors across the globe. We are committed to producing positive results through being trustworthy, ethical, and accessible. We are founded in the beliefs that through working together we can continue to transform the industry, while rising to turn challenges into opportunities.



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