

RSCRPM Series Compressors

22kW-75kW 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

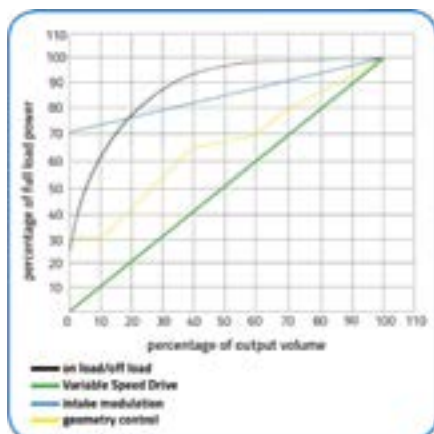


Save Up To 60% On Your Compressed Air Power Costs

Compressors are typically sized to satisfy peak air demand, which may only represent an hour or two per day (20–30%). For the rest of the time, the demand may fluctuate considerably or disappear altogether.

A fixed speed compressor can only meet this varying demand by producing more air than required, then spending most of the time in 'off load' position, wasting energy and clocking up operational hours.

The PneuTech RSCRPM model only produces the level of air that is required at the time, varying speed to suit the demand and saving up to 60% in electricity costs.



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 a few seconds of no air demands, the motor stops.

The motor has internal oil lubrication for longevity and cooling, which is shared with the air end.

22kW RSCRPM vs 22kW Fixed Speed

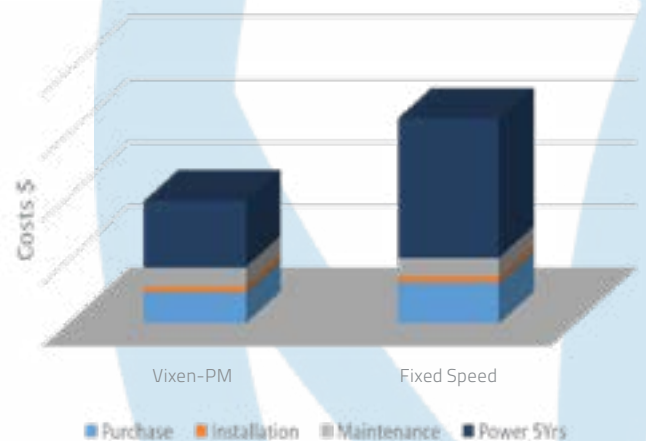


Chart compares the costs of owning a fixed-speed compressor to a RSCRPM 22kW VSD compressor over just a five-year period, where the fluctuating air demand in a typical workshop, equates to a loaded run time of 30% per day.

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

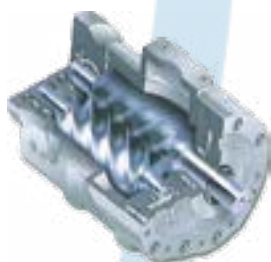
- Highest PM motor efficiency
- Unlimited motor start / stops per hour at ultra-low energy cost
- Soft start with no power spikes.



efits

High Efficiency Air End

- New design – increased efficiency by 5-10%
- Large oversized rotors for 40–50% lower RPM bringing long-term performance
- Asymmetric rotor profile for increased sealing between rotors.
- Triple lip shaft seals means oil and air leak-free design.



Low Sound Acoustic Enclosure

- Low noise enclosure
- Perfectly suited to indoor installation
- Can be installed close to work areas
- Dust-proof panel seal.



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) with no gearing or transmission loss.



Large Touch Screen Controller



- With a large 7 inch easy to use touch screen display and control, the patented intelligent micro controller is very simple, smart
- Monitor the pressure, temperature, current display service cycles, system faults, on load/off load duty cycles. Up to 13 protection alarms including reverse rotation
- Connect with other compressors or your computer for remote monitoring or interface with PneuTech's Master Controller and operate up to 8 compressors in sequence
- Shutdown protection – temperature/pressure/amps
- Touch screen allows you to schedule on/off times throughout the day/night to maximise savings
- Unique removable ethernet cable connected controller. Controller can be easily relocated to outside the machinery room.

Low Maintenance

- Fast removal covers means that all components are accessible for maintenance
- Service times are kept to a minimum with open and spacious access
- Direct-drive, belt-free design, less service components and increased reliability.



More Features

Superior Control



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.

Smaller Footprint

The highly efficient RSCRPM range has a vastly reduced footprint of down to 33% smaller than the standard series.

This ergonomic design is attributed to the compact IPM motor-pump configuration and the superior operation of the compressor, requiring less air space.



<33% Smaller Footprint

Solid Reliability



The air and oil pipelines are constructed from smooth interior solid steel tube, to eliminate the need for replacement, or risk of bursting or leakage. Reduces pressure drop resulting in additional energy savings.

High Ambient Running



The PneuTech RSCRPM 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.

Quiet Noise Levels



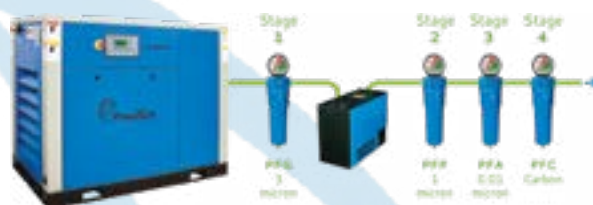
The Work Health and Safety Code of Practice for managing noise at work, states that 85dB(A) is an acceptable noise level for 8 hours continuous exposure. From 66–76dB(A), the PneuTech RSCRPM Series is extra-quiet and perfect for maintaining a safe workplace.

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 separators
- Vertical air receivers
- Condensate drain filtration (adsorbs oil from condensate drains).



Specifications

Model	Flow		Pressure		Motor		Air Outlet	Sound dBA	Dimensions LxWxH (cm)	Weight Kg
	m ³ /min	CFM	Bar	PSI	kW	HP				
RSCR30PM-7	1.06–3.7	131	7	101						
RSCR30PM-8	1.04–3.6	127	8	114	22	30	Rc 1	66 +/- 3	1200x800x1100	520
RSCR30PM-10	0.8–3.2	113	10	145						
RSCR40PM-7	1.3–5.2	184	7	101						
RSCR40PM-8	1.25–5	176.5	8	114	30	40	Rc 1 1/2"	68 +/- 3	1200x800x1100	480
RSCR40PM-10	1.1–4.2	148	10	145						
RSCR50PM-7	1.6–6.5	229	7	101						
RSCR50PM-8	1.6–6.3	222	8	114	37	50	Rc 1 1/2"	72 +/- 3	1300x900x1270	770
RSCR50PM-10	1.4–5.6	198	10	145						
RSCR60PM-7	1.83–7.3	258	7	101						
RSCR60PM-8	1.8–7.2	254	8	114	45	60	Rc 1 1/2"	73 +/- 3	1300x900x1270	810
RSCR60PM-10	1.8–7.1	251	10	145						
RSCR75PM-7	2.6–10.4	367	7	101						
RSCR75PM-8	2.5–10.1	356	8	114	55	75	Rc 2"	75 +/- 3	1800x1200x1550	1510
RSCR75PM-10	2.1–8.4	296	10	145						
RSCR100PM-7	3.4–13.6	480	7	101						
RSCR100PM-8	3.2–12.9	455	8	114	75	100	Rc 2"	76 +/- 3	1800x1200x1550	1550
RSCR100PM-10	2.9–11.8	416	10	145						

Pneu-Assure



*10 year warranty on
all major components**

- Parts and labour warranty for 1 year
(excludes regular maintenance)
- 10 year/20,000 hour+ warranty on major components including:
 - Airend,
 - Oil Sump Tank,
 - Electric Motor,
 - Air Cooler,
 - and Oil Cooler.
- Guaranteed full support from your certified distributor
- Global technical experience leading to a well-rounded point of view
on machines and industry standards



+Whichever comes first.

*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



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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