



Ingersoll Rand Nirvana Air Compressors Brilliantly Designed Energy Misers

The Ingersoll Rand Nirvana air compressor is a genuinely unique machine, given that no other manufacturer is licensed to use the amazing HPM (Hybrid Permanent Magnet) electric motor developed by Leroy Somer.



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Key Benefits

- Ingersoll Rand Nirvana compressors are the only machines licensed to use the new technology Leroy Somer HPM (Hybrid Permanent Magnet) motors that have amazing operating and power saving features and **NO BEARINGS OR WEARING PARTS**
- The Variable Speed Drive inverter control system coupled to the HPM motor allows the compressor to stop and start instantly any number of times without blowing down the air compressor or stressing the motor, saving a minimum of 16% power over it's entire life.
- The control/motor combination also allows the Nirvana to exactly follow system demand and stop instantly if demand ceases. No run-on timer, no wasted energy.
- Cast iron separator vessel means no fabrication code compliance requirements, no registration fees.
- Computerised control system reads power cost and savings directly to the screen and fully troubleshoots the machine.
- Nirvana compressors maintain maximum efficiency from 25% load to 100% load and sustain constant delivery pressure throughout.

The lightweight compact HPM motor actually bolts onto the end of a standard IR screw airend, has no bearings of it's own, needs no gears, belts, pulleys, seals, or couplings, and can even have it's stator replaced in the field with no need for conventional rewinding. Best of all is the ability of the motor, combined with an inverter speed controller, to operate at maximum efficiency over a speed range from 25% to 100%, stop and start instantly without high inrush currents or overheating, and start against full load. This means the compressor does not need to blow down when it stops, so the energy is not wasted, and constant pressure is maintained in the system – no saw tooth cycles, just smooth, constant pressure. As we said – Unique!

The Nirvana is the only genuine variable speed drive compressor made. All other so-called "Variable Speed Drive" compressors are stock standard machines with an inverter drive controller hung on the side to give limited speed control to the standard drive motor. This results in strict limits on the speed range, meaning reduced flow control accompanied by the dual downsides of motor overheating and frequently even burn out of the motor. The nett results are strictly limited energy savings, increased maintenance and an inferior solution to the energy minimisation problem. Let us show you how the amazing Nirvana can save you real money, even if you are downsizing or have spare air compressors.

