

# Nirvana

## Variable-Speed Drive, Oil-Free Rotary Screw Air Compressors

37-45 kW/50-60 hp



**The two-stage Nirvana Oil-Free compressor offers:**

### Fewer rotating parts

- Hybrid Permanent Magnet® (HPM®) motor that raises the standard on compressor reliability to an unequalled level.
- No pulleys, belts, couplings or bearings to wear out or that need replacing — the HPM® motor directly drives the compressor, resulting in longer life.
- IR's time-proven, reliable two-stage oil-free airend.

### Unequalled efficiency and reliability

- Simply shuts off, rather than run unloaded.
- Unlimited starts per hour with no decrease in motor life.
- Delivers up to 28% savings in cost of energy as compared to standard fixed-speed oil-free compressor.

### Unequalled performance

- Limits the in-rush current to less than 100%.
- Decreases starting amp requirements, minimising peak charges.
- Variable-speed cooling.
  - Elimination of thermal shock on cooling components.
  - Consistent discharge temperature for enhanced system reliability.
  - Energy consumption is matched to thermal load.

### Reduced total life cycle cost

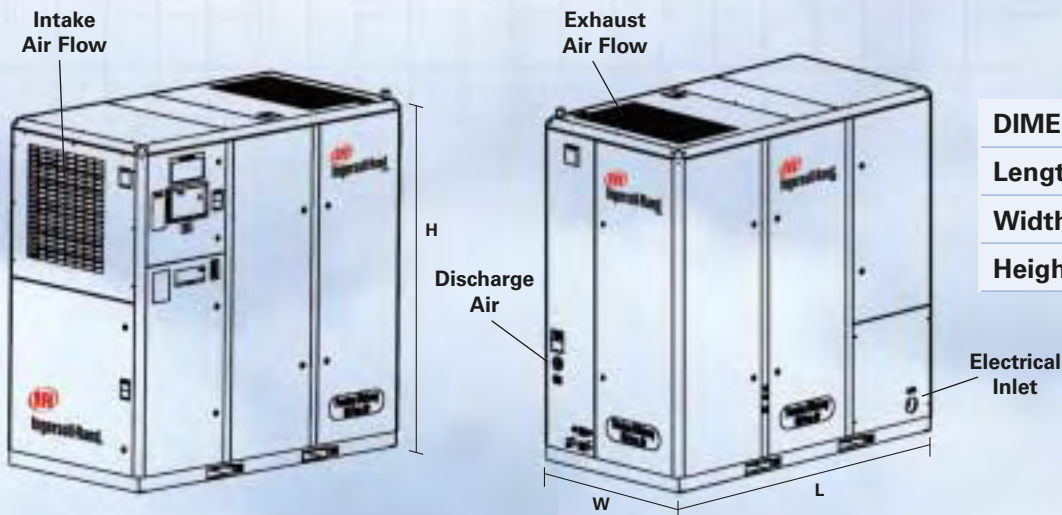
- From the second stage on, all materials are stainless steel or aluminium to prevent harmful particulate from going downstream.
- Operates at peak performance throughout its lifetime.
- Exclusive UltraCoat rotor and housing coating delivers longer life and 10% energy savings.



# Nirvana Variable-Speed Drive, Oil-Free Rotary Screw Air Compressors

## 37-45 kW/50-60 hp

Rated Pressure Bar (g) / Psi (g)	Nominal Motor Power kW / hp	Capacity Range		Sound Range Aircooled dB(A)	Sound Range Watercooled dB(A)	Weight		Outlet Connection BSPT / NPT
		m <sup>3</sup> /min	cfm			Kg	Lbs	
<b>IRN37K-OF / IRN50H-OF</b>								
7.0 / 100	37 / 50	1.93-5.66	68-200	63-74	63-69	1628 / 3590		1.5 / 1.5
8.6 / 125	37 / 50	1.93-5.07	68-179	63-74	63-69	1628 / 3590		1.5 / 1.5
10.3 / 150	37 / 50	3.45-4.50	122-159	63-74	63-69	1628 / 3590		1.5 / 1.5
<b>IRN45K-OF / IRN60H-OF</b>								
7.0 / 100	45 / 60	1.93-6.71	68-237	63-74	63-69	1628 / 3590		1.5 / 1.5
8.6 / 125	45 / 60	1.93-6.20	68-219	63-74	63-69	1628 / 3590		1.5 / 1.5
10.3 / 150	45 / 60	3.45-5.61	122-198	63-74	63-69	1628 / 3590		1.5 / 1.5



DIMENSIONS	mm	inches
Length	2080	82
Width	1115	44
Height	2023	80

Ingersoll-Rand compressors are not designed, intended or approved for breathing air applications. Ingersoll-Rand does not approve specialised equipment for breathing air applications and assumes no responsibility or liability for compressors used for breathing air service.

Nothing contained on these pages is intended to extend any warranty or representation, expressed or implied, regarding the product described herein. Any such warranties or other terms and conditions of sale of products shall be in accordance with Ingersoll-Rand's standard terms and conditions of sale for such products, which are available upon request.

Product improvement is a continuing goal at Ingersoll-Rand. Designs and specifications are subject to change without notice or obligation.



mb air systems ltd

**Company Directory:**

149 Glasgow Road  
Wishaw  
Lanarkshire  
ML2 7QJ  
Tel 01698 355711  
Fax 01698 359299

Wellheads Road  
Farburn Industrial Estate  
Dyce, Aberdeen  
AB21 7HG  
Tel 01224 723434  
Fax 01224 723545

Fleming Close  
Segensworth East  
Fareham  
Hampshire  
PO15 5SB  
Tel 01489 588398  
Fax 01489 588381

8 Burford Way  
Boldon Business Park  
Boldon  
Tyne & Wear  
NE35 9PZ  
Tel 0191 519 5500  
Fax 0191 537 1105

E-mail [sales@mbairsystems.co.uk](mailto:sales@mbairsystems.co.uk)  
[www.mbairsystems.co.uk](http://www.mbairsystems.co.uk)  
[www.airwinch.co.uk](http://www.airwinch.co.uk)



engineering solutions

design product finishing pneumatics & tools  
compressed air service  
offshore lifting