

# Nirvana

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

55-75 kW/75-100 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 air end.

### 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, minimizing 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

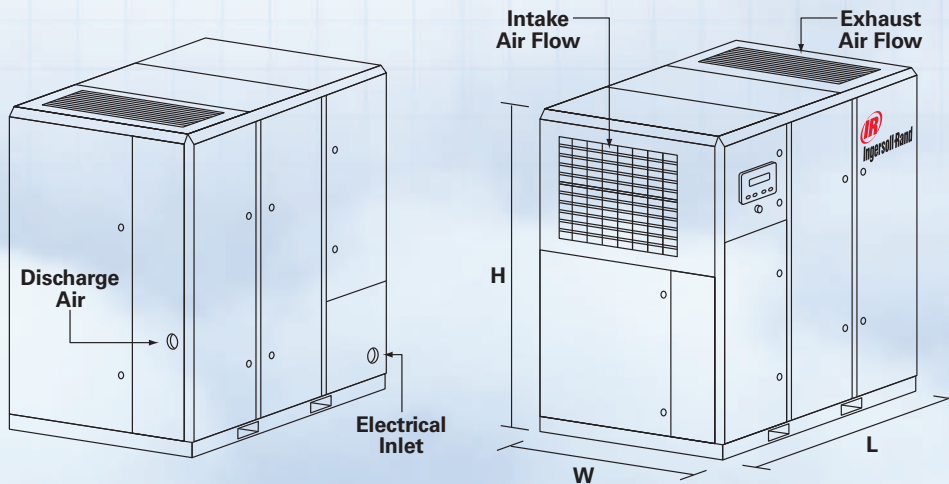
- From the second stage on, all materials are stainless steel or aluminum to prevent harmful particulate from going downstream.
- Operates at peak performance throughout its lifetime.
- Exclusive UltraCoat rotor and housing coating delivers longer life and 10% energy savings.

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Rated Pressure Bar (g) / Psi (g)	Nominal Motor Power kW / Hp	Capacity Range		Sound Range dB(A)	Weight		Outlet Connection BSPT / NPT
		m3/min	cfm		Kg	Lbs	
<b>IRN75K-OF / IRN100H-OF</b>							
7.0 / 100	75 / 100	5.66-12.32	200-435	73-84	2042 / 4500	1.5 / 1.5	
8.6 / 125	75 / 100	5.66-11.33	200-400	73-84	2042 / 4500	1.5 / 1.5	
10.3 / 150	75 / 100	6.80-10.42	240-368	73-84	2042 / 4500	1.5 / 1.5	
<b>IRN55K-OF / IRN75H-OF</b>							
7.0 / 100	55 / 75	5.66-9.37	200-331	73-84	2042 / 4500	1.5 / 1.5	
8.6 / 125	55 / 75	5.66-8.47	200-299	73-84	2042 / 4500	1.5 / 1.5	
10.3 / 150	55 / 75	6.80-7.62	240-269	73-84	2042 / 4500	1.5 / 1.5	



DIMENSIONS	mm	inches
Length	2078	81.8
Width	1321	52
Height	1948	76.7

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