

Nirvana

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

37-45kW/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, 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.

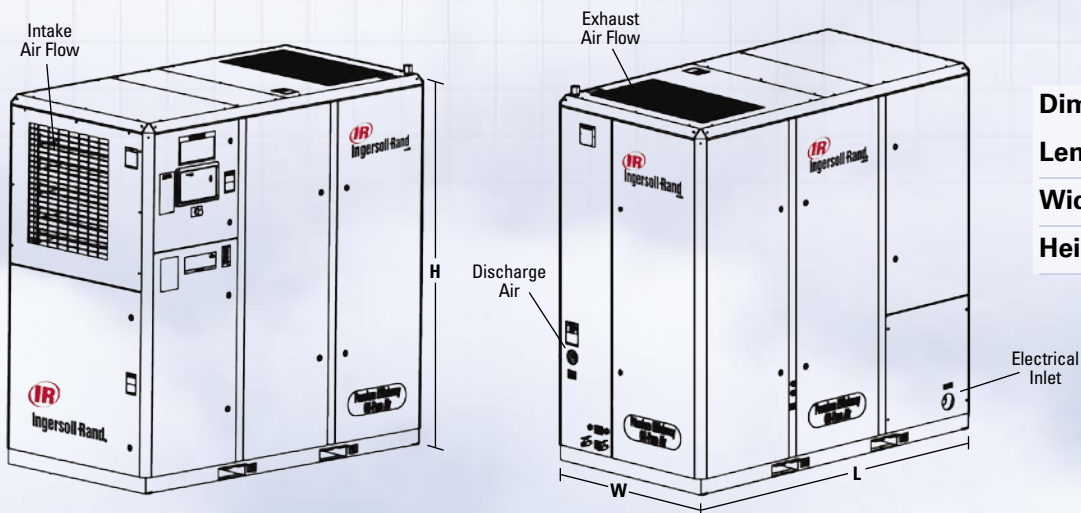
Reduced total life-cycle cost

- 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 Aircooled	Sound Range Watercooled	Weight kg lb	Outlet Connection BSPT / NPT
		m3/min	cfm	dB(A)	dB(A)		
IRN45K-OF / IRN60H-OF							
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
IRN37K-OF / IRN50H-OF							
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



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

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