



## Reciprocating Oil-Free Air Compressors – Industrial Applications

The Ingersoll Rand range of Reciprocating Oilfree Air Compressors offers delivery pressures of ~9 bar and a variety of volumetric flows that can meet even the most challenging requirements. The units can be offered in either single or two stage configurations and can be configured to deliver a complete turnkey solution with compressor, drive, controls, dryers and receiver all fitting on a compact skid. All units are fully tested in our ISO 9001 accredited facility to ensure they are fully operational as quickly as possible in your facility.



## Features

- Non-lubricated 100% oil free, water cooled, continuous duty cycle rated.
- Rugged frame design-one-piece cast iron construction.
- Non lubricated, featuring long-life self-lubricating composite wearing components. Rifle drilled oil passage.
- Cylinders constructed with large cast-in water jackets for dimensional stability under continuous operation.
- Intercoolers/after coolers selected for optimal approach temperature.

- All internal components and piping are corrosion protected for extended life.
- Distance pieces feature two compartments, ensuring the lubricant is isolated from the cylinders.
- Pre-programmed Logic controller based control panel, with IP54 protection.
- Auto drain trap with bypass arrangement at Air Receiver.
- Two-step capacity control (0 - 100%).
- All compressor packages load tested at 100% full operating pressure.
- On two stage models - Horizontal balanced opposed design making the package compact, small foot print and easy to install

## Model Specifications

# Reciprocating Oil-Free Air Compressors - Industrial Applications Performance

## Single Stage Packages

Model	Configuration	Capacitym <sup>3</sup> /hr	PressureKg/cm <sup>2</sup> g
IS120	7 x 5 ESV5	115	7
IS130	7 x 5 ESV5	177	7
IS140	8 x 7 ESV7	252	7
IS150	8 x 7 ESV7	308	7
IS160	9 x 7 ESV7	386	7
IS175	11 x 7 ESH7	490	7
IS120H	7 x 5 ESV5	98	8.8
IS130H	7 x 5 ESV5	154	8.8
IS140H	8 x 7 ESV7	217	8.8
IS150H	8 x 7 ESV7	274	8.8

## Two Stage Packages

Model	Configuration	Capacitym <sup>3</sup> /hr	PressureKg/cm <sup>2</sup> ge
IS2100	12 & 7 x 7 PHE7	719	7

IS2120	14 & 8 x 7 PHE7	894	7
IS2150	14 & 8 x 7 PHE7	1099	7
IS2180	16 & 10 x 7 PHE7	1339	7
IS2215	16 & 10 x 7 PHE7	1575	7
IS2240	16 & 10 x 7 PHE7	1696	7
IS2100H	12 & 7 x 7 PHE7	664	8.8
IS2120H	14 & 8 x 7 PHE7	821	8.8
IS2150H	14 & 8 x 7 PHE7	1025	8.8
IS2180H	14 & 8 x 7 PHE7	1189	8.8
IS2215H	16 & 10 x 7 PHE7	1465	8.8
IS2240H	16 & 10 x 7 PHE7	1609	8.8

- *Atmospheric pressure: 14.7 PSIA, Temperature - 95 p & 70% RH considered.*
- *Cooling water inlet temperature 90 p & considered & cooler CTD will be 20 p F .*
- *The performance is at the compressor discharge flange.*
- *The performance is subjected to tolerances as per test standard.*



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