

# SINGLE & TWO STAGE CAST IRON INDUSTRIAL RECIPROCATING AIR COMPRESSORS

## STANDARD & PREMIER PACKAGE



**Industrial Solutions - Light**  
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Ingersoll-Rand reciprocating air compressor has been the leader in its class, whether this is measured by reliability, efficiency, rugged, flexibility or maintainability, it has no equal. In its many configurations, the SS & T30 air compressor has been applied in every thinkable industry, both manufacturing and service which use compressed air. Designed for heavy industrial applications, the single and two stage reciprocating air compressors provide the quality and performance that exceed customer requirements.

When you select an Ingersoll-Rand reciprocating air compressor, you've selected a compressor that is world renowned for its quality and reliability. Engineered for high-performance, reliability and efficiency, Ingersoll-Rand reciprocating compressors provide easy operation and low maintenance.

### SS, SINGLE-STAGE SERIES

These "SS" series air compressors are the latest design heavy duty single-stage cast iron air compressors designed and built by Ingersoll-Rand to industrial quality for continuous duty operation, long term durability and less maintenance. These twin cylinder block design air compressors have conservative running speed for prolonged life.

### What do you get from a Standard SS Package

- Heavy Duty Cast Iron Pump
- Efficient Electric Motor
  - Built-in thermal relay (Single phase)
  - 1.15 S.F. TEFC, IP54 protection, Class F insulation (Three phase)
- Highly Reliable Magnetic Starter
  - Direct-on-line (3hp - 10hp)
- Time Proven Parts & Components
- Totally Enclosed Wired Beltguard
- Approved ASME Coded Air Receiver with 3rd Party Certification.



S3B2S



S10C10

### TYPE 30, TWO-STAGE SERIES

#### What are the Benefits and Advantages of Type 30

- 100% Cast Iron frame and separately-cast cylinders
  - Precision machined high quality cast iron cylinders with deep radial fins, suitable for heavy duty operation and longer life.
- Heat treated stainless steel finger valve assembly
  - Provides a larger flow area resulting in lesser heat and carbon build-up. Easy removal simplifies servicing.
- Efficient finned intercooler tubes
  - Runs cooler, resulting in a more efficient compressor that consumes lesser power and lasts longer.
- Balanced overhung crankshaft
  - Precision balanced for smooth running with replaceable crankpin bushing that protects the crankshaft from damage.
- Rugged one-piece connecting rod
  - Solid-end precision type. No bolts or nuts which can come loose.
- Centrifugal unloader for No Load start
  - Prevents motor from starting under load. Eliminates possibility of motor burn out.
- Factory-filled synthetic lubricants
  - Reduces carbon buildup. Extends lubricant change period. Improves compressor performance and increases compressor life

### 100% Cast Iron

**Removable cylinders.**  
Easy to repair. Provides even, 360 cooling. Eliminates hot spots.

**Overhung crankshaft.**  
Precision-balanced to run smoothly and quietly.

**Centrifugal unloader.**  
Saves motor life.

**One-piece connecting rod.**  
Fewer wearing parts.

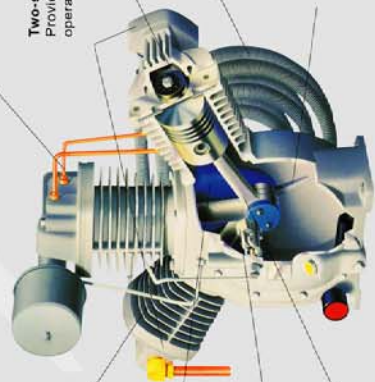
**Constant Speed Control.**  
Maintains smooth system pressure.

**Two-stage design.**  
Provides 175 PSIG operation.

**Simple combination valves.**  
Dependable and easy to maintain.

**Finned copper intercooler.**  
Runs cool in even the most demanding conditions.

**Splash lubrication.**  
Simple and reliable. Does not require oil pump, so it is inexpensive and easy to maintain.



## Standard Package

Ingersoll-Rand's "Standard Package" air compressors are designed for the most demanding applications where a dependable air supply is required. Perfect for automotive, commercial and industrial applications.

When performance is defined by maximum operating pressure, increased air flow, and extended duty cycles, Ingersoll-Rand is the product of choice.

### What do you get from a Standard Package

- Heavy Duty Cast Iron Pump
- Efficient Electric Motor
  - Built-in thermal relay (Single phase)
  - TEFC IP54 protection, Class F insulation (Three phase)
- Highly Reliable Magnetic Starter
  - Direct-on-line (3hp - 10hp)
  - Star Delta (15hp - 30hp)
- Time Proven Parts & Components
- Totally Enclosed Wired Beltguard
- ASME Coded Air Receiver with 3rd Party Certification.



2475L5/12



7100D15/12



2475K5/8

## Premier Package

Ingersoll-Rand's high performance two-stage, fully packaged air compressors are designed and engineered, keeping in mind the increasing demands of the industrial market. These fully packaged air compressors offer maximum performance in a durable, high quality package for the most demanding applications where dependable air supply is essential.

Each fully packaged air compressor comes complete with pre-installed magnetic motor starter, aircooled after-cooler, low oil level shutdown switch and fully enclosed sheetmetal beltguard. These packages are suitable for automotive, commercial or industrial applications.

When performance is defined by maximum operating pressure, increased air flow, and extended duty cycles, Ingersoll-Rand is the product of choice.

### What do you get from a Premier Package

- Heavy Duty Cast Iron Pump
- Full Time Low Oil Level Protection Switch
- Efficient Electric Motor
- TEFC IP54 protection, Class F insulation (Three phase)
  - Highly Reliable Magnetic Starter
    - Star Delta (15hp - 30hp)
    - Aircooled After-cooler
  - Time Proven Parts & Components
  - Totally Enclosed Sheetmetal Beltguard
  - ASME Coded Air Receiver with 3rd Party Certification



7100D15/12-FF



3000E30/12-FF

