

SINGLE & TWO STAGE CAST IRON INDUSTRIAL RECIPROCATING AIR COMPRESSORS

STANDARD & PREMIER PACKAGE



3000E20/8-FF

IR Ingersoll Rand®

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.**



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

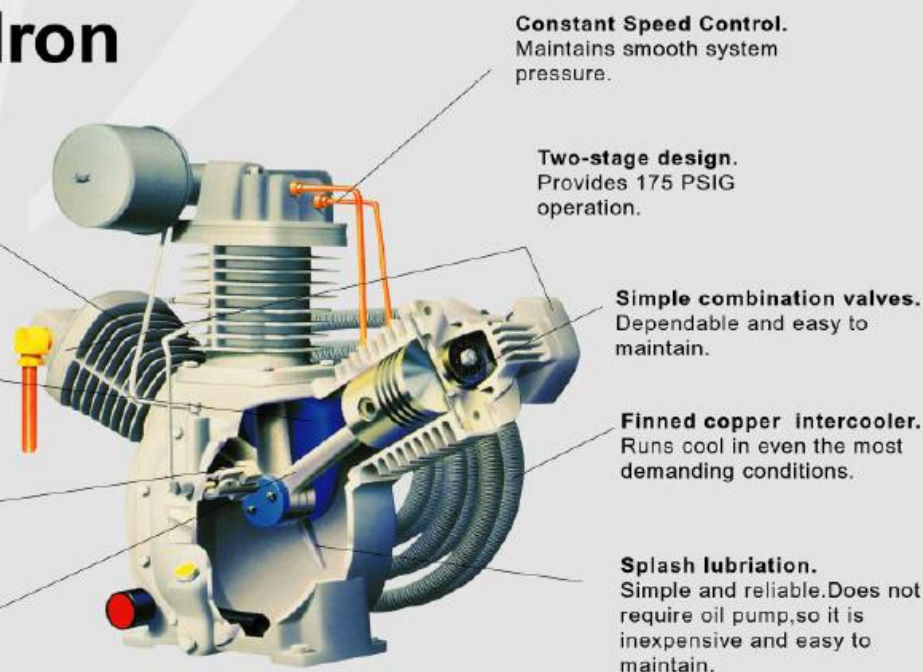
100% Cast Iron

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 Two-stage "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.**



2475K5/8



7100D15/12

SS, Single-Stage Air Compressors Performance Data and Dimensions

Model	Motor/Engine Horsepower		Speed	Piston Displacement		Free Air Delivery				Receiver Size	Dimension Length Width Height			Weight
	HP	Kw		RPM	cfm	l/min	100psig		125psig		mm			
			Litres				cfm	l/min	cfm	l/min				
SS5/5	5.5	4.1	985	27.4	780	17.8	506	16.7	472	174	1524 x 510 x 700	194		
SS10/7	7.5	5.6	735	40.9	1162	27.1	771	25.5	724	174	1524 x 580 x 960	216		
SS10/10	10.0	7.5	970	54.0	1535	36.0	1021	33.8	958	174	1524 x 580 x 960	227		
SS10/10-SD	10.0	7.5	970	54.0	1535	36.0	1021	33.8	958	174	1524 x 700 x 960	230		

Type 30, 2-Stage Air Compressors (Standard Package) Performance Data and Dimensions

Model	Motor Horsepower		Speed	Piston Displacement		Free Air Delivery		Receiver Size	Dimension Length Width Height			Weight
	HP	Kw	RPM	cfm	l/min	cfm	l/min	Litres	m m			Kg
HORIZONTAL RECEIVER UNIT - 8.8kg/cm2 (125psig)												
2340K3/8	3.0	2.2	1100	12.4	350	9.8	278	150	1440 x 540 x 970			223
2340K5/8	5.5	4.1	1500	16.8	478	13.4	380	150	1440 x 540 x 970			240
2475K5/8	5.5	4.1	1060	21.2	600	17.4	492	150	1440 x 540 x 1000			245
2475C5/8	5.5	4.1	1060	21.2	600	17.4	492	230	1740 x 620 x 1050			294
2475C7/8	7.5	5.6	1340	26.8	759	21.7	615	230	1740 x 620 x 1050			307
2545C7/8	7.5	5.6	765	30.4	862	25.1	710	230	1740 x 620 x 1130			355
2545C10/8	10.0	7.5	1020	40.5	1149	34.2	968	230	1740 x 620 x 1130			374
7100D15/8	15.0	11.2	1030	56.6	1604	47.2	1336	303	1890 x 880 x 1325			583
3000E20/8	20.0	14.9	780	85.8	2430	70.7	2002	445	1900 x 1100 x 1540			750
3000E25/8	25.0	18.6	930	102.3	2898	84.8	2402	445	1900 x 1100 x 1540			780
3000E30/8	30.0	22.4	1045	115.0	3256	95.6	2708	445	1900 x 1100 x 1540			800
HORIZONTAL RECEIVER UNIT - 12.3kg/cm2 (175psig)												
2340K3/12	3.0	2.2	1100	12.4	350	9.6	270	150	1440 x 540 x970			223
2340K5/12	5.5	4.1	1500	16.8	478	13.2	375	150	1440 x 540 x970			240
2475K5/12	5.5	4.1	1060	21.2	600	17.1	484	150	1440 x 540 x 1000			245
2475C5/12	5.5	4.1	1060	21.2	600	17.1	484	230	1740 x 620 x 1050			294
2475C7/12	7.5	5.6	1340	26.8	759	21.5	609	230	1740 x 620 x 1050			307
2545C7/12	7.5	5.6	765	30.4	862	24.7	700	230	1740 x 620 x 1130			355
2545C10/12	10.0	7.5	1020	40.5	1149	34.0	963	230	1740 x 620 x 1130			374
7100D15/12	15.0	11.2	1030	56.6	1604	46.7	1294	303	1890 x 880 x 1325			583
3000E20/12	20.0	14.9	740	81.4	2305	66.7	1889	445	1900 x 1100 x 1540			750
3000E25/12	25.0	18.6	930	102.3	2898	84.5	2393	445	1900 x 1100 x 1540			780
3000E30/12	30.0	22.4	1045	115.0	3256	94.9	2688	445	1900 x 1100 x 1540			800

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.



7100D15/12-FF

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

Type 30, 2-Stage Air Compressors (Premier Package) Performance Data and Dimensions

Model	Motor Horsepower		Speed	Piston Displacement		Free Air Delivery		Receiver Size		Dimension Length Width Height		Weight	
	HP	Kw	RPM	cfm	l/min	cfm	l/min	Gal	Litres	mm		Kg	Lb
HORIZONTAL RECEIVER UNIT - 8.8kg/cm² (125psig)													
7100D15/8-FF	15.0	11.2	1030	56.6	1604	47.2	1336	80	303	1890 x 880 x 1325		583	1287
3000E20/8-FF	20.0	14.9	780	85.8	2430	70.7	2002	120	445	1900 x 1100 x 1540		750	1656
3000E25/8-FF	25.0	18.6	930	102.3	2898	84.8	2402	120	445	1900 x 1100 x 1540		780	1722
3000E30/8-FF	30.0	22.4	1045	115.0	3256	95.6	2708	120	445	1900 x 1100 x 1540		800	1766
HORIZONTAL RECEIVER UNIT - 12.3kg/cm² (175psig)													
7100D15/12-FF	15.0	11.2	1030	56.6	1604	46.7	1294	80	303	1890 x 880 x 1325		583	1287
3000E20/12-FF	20.0	14.9	740	81.4	2305	66.7	1889	120	445	1900 x 1100 x 1540		750	1656
3000E25/12-FF	25.0	18.6	930	102.3	2898	84.5	2393	120	445	1900 x 1100 x 1540		780	1722
3000E30/12-FF	30.0	22.4	1045	115.0	3256	94.9	2688	120	445	1900 x 1100 x 1540		800	1766