

SINGLE & TWO STAGE CAST IRON INDUSTRIAL RECIPROCATING AIR COMPRESSORS

STANDARD & PREMIER PACKAGE



Industrial Solutions - Light
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3000E20/8-FF



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.

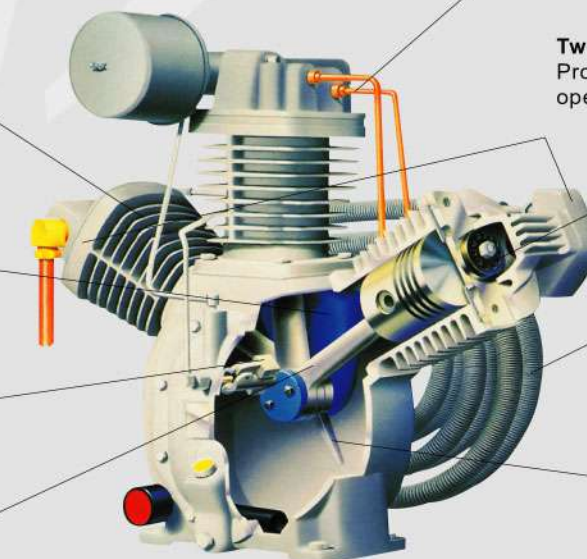
Constant Speed Control.
Maintains smooth system pressure.

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 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.



2475L5/12



2475K5/8



7100D15/12



7100D15/12-FF



3000E30/12-FF

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

SS, Single-Stage Air Compressors
Performance Data and Dimensions

Model	Motor/Engine Horsepower		Speed	Piston Displacement		Free Air Delivery				Receiver Size		Dimension			Weight	
	HP	Kw		cfm	l/min	100psig		125psig				Length	Width	Height		
			RPM			cfm	l/min	cfm	l/min	cfm	l/min				Gal	Litres
S1B1S	1.0	.75	650	4.5	127	3.4	96	3.0	85	23	85	1100 x 445 x 810			120	265
S3B2S	2.0	1.5	740	10.2	289	7.2	203	6.6	187	23	85	1100 x 445 x 880			125	275
S3B2	2.0	1.5	765	10.5	298	7.4	210	6.8	192	23	85	1100 x 445 x 880			145	320
S3F3S	3.0	2.2	1060	14.6	414	9.9	280	9.4	265	30	114	1160 x 505 x 900			140	308
S3F3	3.0	2.2	1160	16.0	453	10.7	303	10.2	290	30	114	1160 x 505 x 900			147	324
S5K5	5.5	4.1	985	27.4	780	17.8	506	16.7	472	40	150	1460 x 510 x 1000			230	507
S10C7	7.5	5.6	735	40.9	1162	27.1	771	25.5	724	60	230	1780 x 555 x 1060			303	683
S10C10	10.0	7.5	970	54.0	1535	36.0	1021	33.8	958	60	230	1780 x 555 x 1060			330	728
S3F5G	5.0	3.7	1060	14.6	414	9.9	280	9.4	265	30	114	1160 x 505 x 900			150	330

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	Gal	Litres	m m			Kg	Lb
HORIZONTAL RECEIVER UNIT - 8.8kg/cm2 (125psig)														
2340K3/8	3.0	2.2	1100	12.4	350	9.8	278	40	150	1440 x 540 x 970			223	492
2340K5/8	5.5	4.1	1500	16.8	478	13.4	380	40	150	1440 x 540 x 970			240	530
2475K5/8	5.5	4.1	1060	21.2	600	17.4	492	40	150	1440 x 540 x 1000			245	541
2475C5/8	5.5	4.1	1060	21.2	600	17.4	492	60	230	1740 x 620 x 1050			294	649
2475C7/8	7.5	5.6	1340	26.8	759	21.7	615	60	230	1740 x 620 x 1050			307	678
2545C7/8	7.5	5.6	765	30.4	862	25.1	710	60	230	1740 x 620 x 1130			355	784
2545C10/8	10.0	7.5	1020	40.5	1149	34.2	968	60	230	1740 x 620 x 1130			374	825
7100D15/8	15.0	11.2	1030	56.6	1604	47.2	1336	80	303	1890 x 880 x 1325			583	1287
3000E20/8	20.0	14.9	780	85.8	2430	70.7	2002	120	445	1900 x 1100 x 1540			750	1656
3000E25/8	25.0	18.6	930	102.3	2898	84.8	2402	120	445	1900 x 1100 x 1540			780	1722
3000E30/8	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)														
2340K3/12	3.0	2.2	1100	12.4	350	9.6	270	40	150	1440 x 540 x970			223	492
2340K5/12	5.5	4.1	1500	16.8	478	13.2	375	40	150	1440 x 540 x970			240	530
2475K5/12	5.5	4.1	1060	21.2	600	17.1	484	40	150	1440 x 540 x 1000			245	541
2475C5/12	5.5	4.1	1060	21.2	600	17.1	484	60	230	1740 x 620 x 1050			294	649
2475C7/12	7.5	5.6	1340	26.8	759	21.5	609	60	230	1740 x 620 x 1050			307	678
2545C7/12	7.5	5.6	765	30.4	862	24.7	700	60	230	1740 x 620 x 1130			355	784
2545C10/12	10.0	7.5	1020	40.5	1149	34.0	963	60	230	1740 x 620 x 1130			374	825
7100D15/12	15.0	11.2	1030	56.6	1604	46.7	1294	80	303	1890 x 880 x 1325			583	1287
3000E20/12	20.0	14.9	740	81.4	2305	66.7	1889	120	445	1900 x 1100 x 1540			750	1656
3000E25/12	25.0	18.6	930	102.3	2898	84.5	2393	120	445	1900 x 1100 x 1540			780	1722
3000E30/12	30.0	22.4	1045	115.0	3256	94.9	2688	120	445	1900 x 1100 x 1540			800	1766

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	Gal	Litres	mm			Kg	Lb
VERTICAL RECEIVER UNIT - 12.3kg/cm2 (175psig)														
2340L3/12	3.0	2.2	1100	12.4	350	9.6	270	60	230	860 x 540 x 1850			223	492
2340L5/12	5.5	4.1	1500	16.8	478	13.2	375	60	230	860 x 540 x 1850			240	530
2475L5/12	5.5	4.1	1060	21.2	600	17.1	484	60	230	930 x 540 x 1900			285	629
2475N7/12	7.5	5.6	1340	26.8	759	21.5	609	80	303	1050 x 640 x 2000			350	773
2545N7/12	7.5	5.6	765	30.4	862	24.7	700	80	303	1050 x 640 x 2000			372	820
2545N10/12	10.0	7.5	1030	40.5	1149	34.0	963	80	303	1050 x 640 x 2000			391	891
BASEPLATE UNIT - 12.3kg/cm2 (175psig)														
2340XB3/12	3.0	2.2	1100	12.4	350	9.6	270	-	-	900 x 470 x 490			110	242
2475XB5/12	5.5	4.1	1060	21.2	600	17.1	484	-	-	950 x 560 x 540			146	322
2545XB7/12	7.5	5.6	765	30.4	862	24.7	700	-	-	1080 x 740 x 630			205	452
2545XB10/12	10.0	7.5	1020	40.5	1149	34.0	963	-	-	1080 x 740 x 630			221	487
7100XB15/12	15.0	11.2	1030	56.6	1604	46.7	1294	-	-	1260 x 780 x 770			298	657
3000XB20/12	20.0	14.9	740	81.4	2305	66.7	1889	-	-	1370 x 850 x 920			435	960
3000XB25/12	25.0	18.6	930	102.3	2898	84.5	2393	-	-	1370 x 850 x 920			468	1032
3000XB30/12	30.0	22.4	1045	115.0	3256	94.9	2688	-	-	1370 x 850 x 920			485	1070
BASEPLATE UNIT - 17.6kg/cm2 (250psig)														
H2340XB3/18	3.0	2.2	1040	11.7	332	8.9	252	-	-	900 x 470 x 490			110	242
H2475XB5/18	5.5	4.1	900	18.0	510	14.1	400	-	-	950 x 560 x 540			146	322
H2545XB7/18	7.5	5.6	615	24.5	692	19.0	538	-	-	1080 x 740 x 630			205	452
H7100XB10/18	10.0	7.5	750	41.2	1168	32.8	929	-	-	1260 x 780 x 770			298	657
H15TXB15/18	15.0	11.2	700	63.6	1802	46.0	1302	-	-	1370 x 850 x 920			405	893
H15TXB20/18	20.0	14.9	900	81.8	2317	58.0	1642	-	-	1370 x 850 x 920			435	960

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
BASEPLATE UNIT - 12.3kg/cm2 (175psig)														
7100XB15/12-FF	15.0	11.2	1030	56.6	1604	46.7	1294	-	-	1260 x 780 x 770			298	657
3000XB20/12-FF	20.0	14.9	740	81.4	2305	66.7	1889	-	-	1370 x 850 x 920			435	960
3000XB25/12-FF	25.0	18.6	930	102.3	2898	84.5	2393	-	-	1370 x 850 x 920			468	1032
3000XB30/12-FF	30.0	22.4	1045	115.0	3256	94.9	2688	-	-	1370 x 850 x 920			485	1070