

# High Pressure Aircooled Reciprocating Air Compressors



15T2XB15/35

 **Ingersoll Rand®**



Ingersoll-Rand multi-stage splash lubricated Type 30's are specifically designed for applications that require high pressure compressed air from 300 psig to 5,000 psig and ranged from 3 to 15 horsepower.

These air compressors have extra heavy duty components that are designed for minimum maintenance and maximum performance. Its simplistic design provides reliability and enhanced serviceability.

Through our worldwide distributor's network, you can count on complete assistance for genuine replacement parts and responsive service for your air compressor system. So if you need to own a high performance with low operating cost air compressor for your business. Ingersoll-Rand is there to help when it comes to compressed air solutions.



## ■ Standard Features

**Cast Iron Construction** - Cylinders and frame are designed with 100% cast iron for durability and long life.

**Cylinders** - Separately cast cylinders with deep fins allow for 360 degree cooling, removing the heat of compression. Individual bolting of the cylinders to the frame facilitates inspection and maintenance.

**Flywheel** - The flywheel fan produces a "cyclone" air blast to cool the deep-finned cylinders, intercoolers and aftercooler.

**Intercoolers** - Intercoolers are finned-tube type and located directly in the flywheel air blast.

**Aftercoolers** - Finned-tube type aircooled aftercooler are located in the same area as intercoolers and within the blast of air from flywheel. Aftercooler provides discharge air temperature approximately 40°F above ambient.

**Centrifugal Unloader** - Automatically releases air from the intercooler and cylinders. Preventing the compressor from starting against full load.

**Regulation** - All models are equipped with automatic start and stop control as standard. Constant speed and Dual control could be supplied as optional except 223.

**Automatic Condensate System** - Automatic condensate drain is supplied on the discharge separator/ drain leg to automatically drain condensate when the compressor stops or unloads during constant speed control operation, or when the timer and solenoid valve interrupts the control air pressure during extended run time.



7T4XB5/70

**"Full-Time" Low Oil level Protection Switch -**

This switch is standard on the compressor except on 231 to protect the compressor against low oil level in crankcase. The compressor and motor are shut down when oil level become unsafe and cannot be restarted until oil is added.

**Motor** - The electric motor is a IEC frame, totally enclosed fan-cooled squirrel cage induction design, 1500 rpm and a full 1.15 service factor.

**Drive** - The "V" belt drive, with totally enclosed sheet metal guard, offers smooth operation in a low-cost package.

**Base** - Heavy steel construction includes a provision for motor movement to facilitate easy "V" belt tightening.

**■ Specifications**

Model	Motor Horsepower		Speed r/min	Pressure psig/max.	Piston Displacement		Free-Air Delivery		Cylinder No	Compressed Stage	Dimension LxWxH (mm)	Weight Kg
	HP	KW			cfm	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min				
231XB3/35	3	2.2	660	500	7.4	0.21	4.8	0.14	2	2	980x840x590	165
7T4XB5/70	5.5	4	800	1000	13.1	0.37	6.4	0.18	2	2	1260x950x800	295
7T2XB7/35	7.5	5.6	580	500	26.1	0.74	15.7	0.45	2	2	1260x950x800	321
7T2XB10/35	10	7.5	800	500	36.0	1.02	21.6	0.62	2	2	1260x950x800	325
15T2XB15/35	15	11	900	500	49.5	1.40	37.3	1.07	3	3	1400x1030x860	473
15T2XB15/55	15	11	785	800	43.1	1.23	32.9	0.92	3	3	1400x1030x860	473
15T2XB15/70	15	11	725	1000	39.8	1.13	29.8	0.85	3	3	1400x1030x860	473
15T4XB15/245	15	11	900	3500	29.5	0.84	19.2	0.54	3*	4	1460x1035x1150	520
H15T4XB15/344	15	11	850	5000	27.8	0.79	18.1	0.52	3*	4	1460x1035x1150	520
15T4XB20/245	20	15	1000	3500	32.7	0.93	21.9	0.63	3*	4	1460x1035x1150	540
H15T4XB20/344	20	15	1000	5000	32.7	0.93	21.4	0.62	3*	4	1460x1035x1150	540

\*Double-acting cylinder 1st & 2nd stage.

**■ The Followings is Standard with Each Compressor Unit**

	231	7T2	7T4	15T2	15T4/H15T4
Industrial filter	*	*	*	*	*
Splash lubricated	*	*	*	*	*
Air-cooled inter & after-cooler	*	*	*	*	*
Inter-stage gauge		*	*	*	*
Safety valve	*	*	*	*	*
Auto drain valve	*	*	*	*	*
Discharge Check valve	*	*	*	*	*
Low oil level switch	*	*	*	*	*
Dual control	*	*	*	*	*

\* Optional

## Genuine Spare Parts

### Lubricant

- specifically designed for high pressure package

**XL-740HT** is a diester based synthetic lubricant specifically formulated for used on Ingersoll-Rand's High Pressure reciprocating air compressors. It is designed to meet the operating requirements of Ingersoll-Rand high pressure air compressors in a severe duty environment while eliminating carbon buildup or residue formation.

CCN 32248387 XL-740HT



Lubricant XL-740HT

### Economic Service Kit

- used for repairing & maintenance

- Valve / Gasket service kit
- Ring / Gasket service kit
- Connecting rod / Bearing service kit



### Air Solutions

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