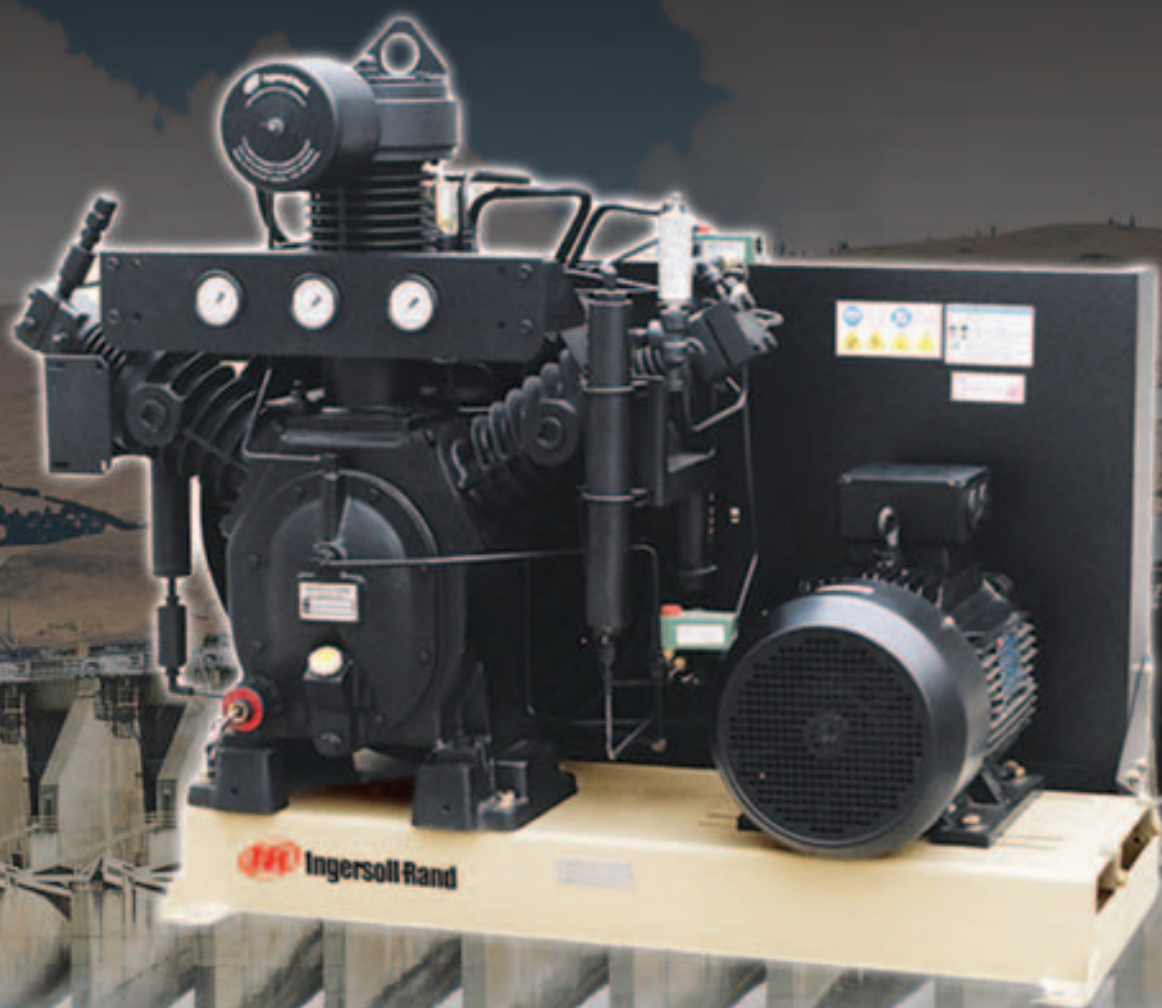


HIGH PRESSURE AIRCOOLED RECIPROCATING AIR COMPRESSORS

PREMIER HIGH PRESSURE SOLUTIONS
FOR
HIGH PRESSURE APPLICATIONS



IR Ingersoll Rand

HIGH PRESSURE



Dependable Type 30[®] Air Compressors Designed Specifically for High Pressure Operation.

Ingersoll-Rand's Type-30 range of reciprocating air compressors has been outperforming the competition for 75 years. Our high pressure version is no different.

These air-cooled, multi-stage, splash-lubricated air compressors are available from 15hp – 20hp and are designed for applications requiring high pressure air from 300 psig to 6,000 psig.

Type-30 high pressure air compressors are simplistic in design providing superior reliability and enhanced serviceability.

These compressors have extra heavy duty components and are designed for maximum performance and minimum maintenance.

When performance is defined by maximum operating pressure, increased air flow, and extended duty cycles, Type-30 Premier high pressure air compressor is the product of choice.

Standard Scope of Supply (Premier Package) Base plate mounted units

- heavy duty cast iron pump
- low oil level shutdown switch
- interstage safety valves and pressure gauges
- discharge check valve & safety valve
- auto-condensate drain valve on separator legs
- efficient TEFC electric motor, IP54, 1.15 S.F
- rugged steel baseplate
- enclosed sheetmetal beltguard
- vee-belt drive (with 2-pcs pulley)
- high pressure, pressure switch (supplied loose)
- magnetic starter (supplied loose)
- star-delta control panel with solenoid valve for 15hp & 20hp
- factory filled XL740HT synthetic lubricant



15T2XB15/35-FF



H15T4XB15/245-FF

PREMIER FEATURES



Re-designed for continuous duty operation, the Type-30 "PETAIR" multi-stage high pressure air compressor is perfectly suited for PET blowing applications, such as single-step injection blow molding or small two-step reheat blow molding processes (used for blowing plastic bottles, jars, containers etc).

These Type-30 packages are available in single or dual baseplated mounted configurations.



PA-15/30-FF

Standard Scope of Supply (Premier PETAIR) Base plate mounted units

- heavy duty cast iron pump
- low oil level shutdown switch
- interstage safety valves and pressure gauges
- discharge check valve & safety valve
- auto-condensate drain valve on separator legs
- efficient TEFC electric motor, IP54, 1.15 S.F
- high air temperature shutdown switch
- Inlet solenoid valve for constant speed control
- rugged steel baseplate
- enclosed sheetmetal beltguard
- vee-belt drive (with 2-pcs pulley)
- high pressure, pressure switch (supplied loose)
- magnetic starter (supplied loose)
- star-delta control panel with solenoid valve for 15hp
- factory filled XL740HT synthetic lubricant



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 degrees cooling, removing the heat of compression. Individually bolting of the cylinders to the frame facilitates inspection and maintenance.

Centrifugal Unloader – Automatically releases air from the intercoolers and cylinders, preventing the compressor from starting against full load.

Intercoolers – intercoolers are finned tube type located directly in the flywheel air blast.

Aftercooler – finned tube type aircooled aftercooler are located in the same area as the intercoolers and within the blast of air from flywheel.

Aftercooler provides discharge air temperature approximately 40 deg F above ambient.

Flywheel – the flywheel fan produces a “cyclone” air blast to cool the deep finned cylinders, intercoolers and aftercooler.

Motor – the electric motor is an IEC frame, totally enclosed fan cooled squirrel cage induction design, 1,500 rpm with a premier 1.15 service factor.

Drive – the vee-belt drive, with totally enclosed sheet metal beltguard, offers smooth operation in a premier package.

Baseplate – Heavy duty construction design includes a provision for motor movement to facilitate easy “V” belt tightening.

Regulation – All models are equipped with automatic stop and start control as standard. Constant speed control and dual control could be provided as options.

Standard Accessories

“Full-Time” low oil level protection switch – This switch protects the compressor against low oil level in the crankcase. The compressor and electric motor are shutdown when the oil level becomes unsafe and cannot be restarted until oil is added to the desire level.

Automatic condensate system –Automatic condensate drain is supplied on the discharge separator / drain leg to automatically drain condensate when the compressor stop or unloads during constant speed control operation,or when the timer and solenoid valve interrupts the control air pressure during extended run times.

High discharge air temperature protection switch (On PA package only) – This switch with thermal sensor protects the compressor from operating above the maximum allowable discharge temperature. It shuts the compressor down when discharge air temperature exceed the predetermined set temperature.

Inlet Solenoid Valve (On PA package only) – enable the air compressor to load and unload at pre-determine pressure, preset on the pressure switch.



Standard Scope Of Supply

	PA	15T2	15T4	H15T4	H15T6
Industrial Filter	√	√	√	√	√
Splash Lubricated	√	√	√	√	√
Aircooled Intercooler & Aftercooler	√	√	√	√	√
Interstage Gauges	√	√	√	√	√
Safety Valves	√	√	√	√	√
Auto Condensate Drain System	√	√	√	√	√
Discharge Check Valve	√	√	√	√	√
Low Oil Level Switch	√	√	√	√	√
Dual Control	*	*	*	*	*

* **Optional**

Specifications - Premier Package

Model	Horsepower		Speed	Max Pressure	Piston Displacement		Free Air Delivery		No of Cylinder	Compression Stage	Dimension	Weight
	HP	KW	RPM	psig	cfm	m3/min	cfm	m3/min			L x W x H (mm)	
PA-15/30-FF	15	11	900	425	49.5	1.40	37.7	1.07	3	3	1400 x 1030 x 860	473
15T2XB15/35-FF	15	11	900	500	49.5	1.40	37.7	1.07	3	3	1400 x 1030 x 860	473
15T2XB15/55-FF	15	11	785	800	43.1	1.23	32.3	0.92	3	3	1400 x 1030 x 860	473
15T2XB15/70-FF	15	11	725	1000	39.8	1.13	29.7	0.85	3	3	1400 x 1030 x 860	473
15T4XB15/245-FF	15	11	820	3500	30.2	0.86	17.5	0.50	3*	4	1460 x 1035 x 1150	520
H15T4XB15/344-FF	15	11	775	5000	28.5	0.81	16.2	0.46	3*	4	1460 x 1035 x 1150	520
15T4XB20/245-FF	20	15	1000	3500	36.8	1.04	21.4	0.61	3*	4	1460 x 1035 x 1150	540
H15T4XB20/344-FF	20	15	1000	5000	36.8	1.04	20.9	0.60	3*	4	1460 x 1035 x 1150	540
H15T6XB20/420-FF**	20	15	885	6000	28.9	0.93	18.9	0.54	3*	4	1460 x 1035 x 1150	540

Reference Conditions: Inlet Pressure – 1 bar, temperature 20 deg C.

FF = Premier Feature Package

* double-acting cylinder 1st & 2nd stage

** new product will only be available in July 2004.



Industrial Solutions - Light

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