

Reciprocating Air Compressors

A leader in its class

The CompAir is a leader in its class. Whether this is measured by reliability, efficiency, rugged flexibility or maintainability, it has no equal. Designed for heavy industrial applications, the two stage reciprocating air compressors provide the quality and performance that exceed customer requirements.

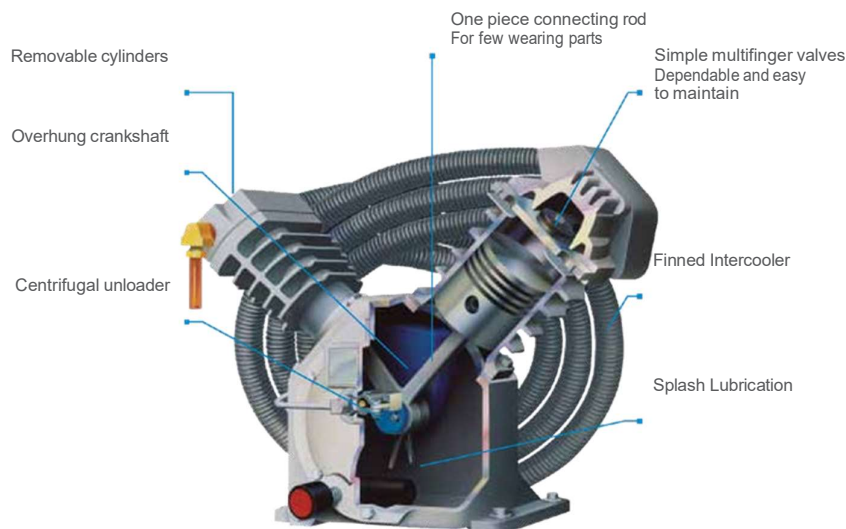
Others may claim to handle heavy duty applications, but the CompAir™ defines the concept. Run it in the most demanding intermediate duty application imaginable. The CompAir unique and ideal to meet your demands of a compressor package in the 3-25 HP range.

After all, we've been doing this for over 100 years !



The Inside Story

A two-stage model (1) compresses air to an intermediate pressure in the first stage, (2) removes heat of compression through an intercooler, and (3) compresses air to a final pressure in a second compression stage. Two-stage compressors are more efficient and are generally used for pressures above 100 PSI (maximum pressure to 175 PSI).



No other Reciprocating Compressor offers these efficient, cost-saving features:

A durable cast iron pump which provides 15,000+ hours of trouble-free service

A 100% copper finned intercooler lowers operating temperatures and extends pump life

An overhung crankshaft and single-piece connecting rod allow access to the running gear for easy maintenance

Individually cast cylinders provide flexible, less expensive maintenance on just one cylinder at a time rather than servicing the entire pump

STATIONARY

Electric-Driven Two Stage – Air Cooled

Designed for heavy shop or industrial use, CompAir Two-Stage electric air compressors provide the quality and performance that are ideal for most applications and users, including: automotive service and body shops; fleet maintenance; machine shops; production and manufacturing lines; construction; wood working shops; dry cleaners; car washes; maintenance/repair shops and farms.

Value Packaged

Economically priced, CompAir Two-Stage Value Packaged air compressors are perfect for automotive, commercial or light industrial applications where a dependable air supply is required. The value package includes the added features of a mounted and wired starter, automatic start / stop pressure switch control with suitable size receiver tank.

- Durable cast-iron, two-stage design offers extended pump life for years of trouble-free service
- Automatic start / stop control / pressure switch operation
- 175 PSI maximum operating pressure
- 100% continuous duty for tough applications
- Includes motor starter, oil sight glass (10-15 HP only), manual drain



Model	Motor hp	Free Air Delivery cfm	Pressure in psig rated	Air Receiver litre	Starter Type meter	Control
GD 2340F 3	3.0	8.65	175	150	Direct Online	Automatic Start-Stop
GD 2475C 5	5.0	13.99	175	225	Direct Online	Automatic Start-Stop
GD 2475C 7.5	7.5	17.77	175	225	Direct Online	Automatic Start-Stop
GD 2545D 7.5	7.5	24.18	150	300	Direct Online	Automatic Start-Stop
GD 2545D 7.5	7.5	24.18	150	300	Direct Online	Constant Speed Control
GD 2545D 10	10.0	30.00	175	300	Direct Online	Automatic Start-Stop
GD 2545E 10	10.0	30.00	175	500	Direct Online	Constant Speed Control
GD 2545E 12.5	12.5	35.00	175	500	Automatic Star Delta	Automatic Start-Stop
GD 7100E 15	15.0	42.91	125	500	Automatic Star Delta	Automatic Start-Stop
GD 15TE 20	20.0	59.80	125	500	Automatic Start-Stop	Constant Speed Control
GD 15TE 25	25.0	79.20	125	500	Automatic Start-Stop	Constant Speed Control
GD 15TE 25	25.0	79.20	125	500	Automatic Start-Stop	Automatic Start-Stop

All performance details subject to tolerance as per IS-5456. * Constant speed control – change wherever constant speed in written.

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STATIONARY

Electric-Driven Two & Three Stage – High Pressure

CompAir Reciprocating multi-stage high pressure air compressors are designed for high pressure applications. These compressors have extra heavy-duty components and are designed for minimum maintenance and maximum performance. High pressure air compressors are widely used in power generation plant, PET blow moulding industry, military, diving and component testing.

- Durable cast-iron with two, three and four stage design
- Intermediate duty applications
- Extended pump life for years of trouble-free service



High Pressure Receiver Mounted Package

Model	Motor hp	Free Air Delivery cfm at Working Pressure	
		350 psig	500 psig
GD 7T2 Package	12.5	–	21.60
GD 15T2 Package	20.0	–	37.70
GD 15T2 Duplex Package	40.0	–	75.40
GD 15T Package	20.0	50	–
GD 15T Duplex Package	40.0	100	–

For high pressure operation, adequate care must be taken for proper selection. Our distributors would be happy to assist you in correct selection of model. Models are also available for higher working pressures upto 351 kg/cm² g. Details available on request.

STATIONARY

Electric-Driven Single Stage – Air Cooled

Our Single-Stage electric air compressors are ideal for most professional compressor user. Each air compressor features durable cast-iron construction, 100% continuous duty cycle for the toughest applications and extended pump life for years of trouble-free service.

- Industrial quality design
- Durable cast-iron construction
- 125 PSI maximum operating pressure



Standard Pressure Receiver Mounted Package

Model	Motor hp	Piston Displacement		Maximum Working Pressure		Air Receiver Option litre
		m ³ /hr	cfm	bar	psig	
GD SS1	1	6.99	4.12	8.62	125	100
GD SS2	2	14.01	8.25	8.62	125	150
GD SS3	3	23.36	13.75	8.62	125	150
GD SS3 - 1 Phase	3	23.36	13.75	8.62	125	150

All performance details subject to tolerance as per IS-5456. Above models are available with single phase motor also.

STATIONARY

Electric-Driven Two Stage – Non Lubricated Air Cooled

CompAir Two-Stage Non-Lubricated cylinder air compressors are designed to provide instrument-quality air at the highest reliability.

Application

Pharmaceutical Industries; Petroleum Industries; Laboratories;
Building Material; Electrical and Electronic; Textile Industries; Food Processing;
Hospitals; Chemical; Spray Painting; Discharge is free from oil contaminant.



Model	Motor hp	RPM	Tank litre	Piston Displacement		Nomenclature	Air Receiver m ³ (litre)	Overall Dimensions mm (inch)		
				cfm	lpm			Length	Width	Height
7TNL	7.5	550	300	25	708	GD7TNL D 7.5 CSC	0.300 (300)	1870 (73.62)	705 (27.5)	1395 (55)
7TNL	12.5	800	300	36.3	1028	GD7TNL D 12.5 CSC	0.300 (300)	1870 (73.62)	705 (27.5)	1395 (55)
15TNL	15	600	500	54.5	1543	GD15TNL E 15 CSC	0.500 (500)	2045 (80.5)	850 (33.46)	1715 (67.52)
15TNL	20	750	500	68.1	1928	GD15TNL E 20 CSC	0.500 (500)	2045 (80.5)	850 (33.46)	1715 (67.52)

Type: SP • Control: CSC • Max. Pressure: 125 psig

1) For Model 7TNL size is 5" & 3"x 4" stroke

2) For Model 15TNL size is 5" & 5" & 4.25" x 4" stroke

* Option available as base plate mounted.

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