



**INDO-AIR**<sup>®</sup>  
Compressors Pvt. Ltd.  
UTILITY AIR SOLUTIONS

Chemical Industry

Automobile Industry

Plastic Processing Units

Pharmaceutical Industry

Textile Industry

Pet Bottling Unit

**AIR COMPRESSORS  
& VACUUM PUMPS**

**ENHANCING  
THE PERFORMANCE**  
ENHANCING BUSINESS

**Rotary Screw  
Compressor**

7.5 To 300 HP Lubricated



ISO 9001

BUREAU VERITAS  
Certification



[www.indoair.com](http://www.indoair.com)



## ROTARY SCREW

7.5 To 300 HP

Lubricated

Main part of Screw Compressor is Air-end, consisting of a pair of rotors. The male rotor is driven by electric motor. Suction of air through Inlet filter and suction control valve.

Air-oil mixture from air-end flows into an air-oil separator.

The separated oil flows through oil filter and after cooling in 'cooler', it gets back into the system.

The air also passes through air cooler and to the receiver.

The whole system is controlled through valves / sequence of compressor is done through electric / electronic control.



### High Quality Compressors

#### Compact, High-efficiency, Low-noise:

- Big Rotor, Big Output Capacity, Good Specific Power.
- Stable Air Flow Volume, Less wear Parts than Piston Compressor, High Reliability

#### Low Investments:

- Mechanical structure is simple, has low running cost and provides a continuous 24 hours operation

#### High Reliability:

- Less moving parts. Integrated combination parts, Lower failure, high protection grade
- Excellent quality compressed air, outlet compressed air oil content less than 3ppm, suitable for all main industry area



• Pneumatic Press



• Automobile Industry



• Chemical Industry

### Rotary Screw Small Range (7.5 To 30 Hp)

MODEL	7 Bar		8 Bar		10 Bar		13 Bar		Motor Power HP	Length mm	Width mm	Height mm	Weight kg	Air Connection
	FAD		FAD		FAD		FAD							
	M <sup>3</sup> /MIN	CFM	M <sup>3</sup> /MIN	CFM	M <sup>3</sup> /MIN	CFM	M <sup>3</sup> /MIN	CFM						
IAS 7.5	0.85	30	0.79	28	0.71	25	0.62	22	7.5	870	760	1120	286	3/4"
IAS 10	1.13	40	0.99	35	0.91	32	0.79	28	10	870	760	1120	292	3/4"
IAS 15	1.70	60	1.61	57	1.42	50	1.22	43	15	870	760	1120	351	3/4"
IAS 20	2.38	84	2.29	81	1.98	70	1.81	64	20	870	760	1120	489	3/4"
IAS 25	3.29	116	3.00	106	2.61	92	2.32	82	25	1470	1115	1175	504	1 1/4"
IAS 30	3.77	133	3.51	124	3.29	116	2.89	102	30	1470	1115	1175	517	1 1/4"

• Due to continuous engineering improvements, specifications are subject to change.

### Rotary Screw Medium Range (40 To 125 Hp)

MODEL	7 Bar		8 Bar		10 Bar		13 Bar		Motor Power HP	Length mm	Width mm	Height mm	Weight kg	Air Connection
	FAD		FAD		FAD		FAD							
	M <sup>3</sup> /MIN	CFM	M <sup>3</sup> /MIN	CFM	M <sup>3</sup> /MIN	CFM	M <sup>3</sup> /MIN	CFM						
IAS 40	5.10	180	4.98	176	4.19	148	3.68	130	40	1470	1115	1175	610	1 1/2"
IAS 50	6.46	228	6.29	222	5.81	205	5.30	187	50	1450	1600	1480	650	1 1/2"
IAS 60	8.13	287	8.01	283	6.80	240	6.00	212	60	1850	1600	1480	1050	2"
IAS 75	10.39	367	10.00	353	8.50	300	7.59	268	75	1850	1600	1480	1250	2"
IAS 100	13.82	488	13.31	470	11.70	413	10.00	353	100	2340	1740	2000	1760	2 1/2"
IAS 125	16.51	583	16.00	565	14.50	512	12.52	442	125	2340	1740	2000	1890	DN 80

• Due to continuous engineering improvements, specifications are subject to change.

### Rotary Screw Large Range (150 To 300 Hp)

MODEL	7 Bar		8 Bar		10 Bar		12.5 Bar		Motor Power HP	Length mm	Width mm	Height mm	Weight kg	Air Connection
	FAD		FAD		FAD		FAD							
	M <sup>3</sup> /MIN	CFM	M <sup>3</sup> /MIN	CFM	M <sup>3</sup> /MIN	CFM	M <sup>3</sup> /MIN	CFM						
IAS 150	20.25	715	19.97	705	17.42	615	15.58	550	150	2340	1740	2000	2350	DN 80
IAS 180	24.5	865	24.0	847	21.0	741	18.00	635	180	2700	1750	1850	3100	DN 65
IAS 220	29.0	1024	28.3	1000	24.0	848	21.5	759	220	2700	1750	1850	3200	DN 65
IAS 250	32.5	1147	31.6	1116	28.3	999	24.5	865	250	2700	1820	1850	3450	DN 80
IAS 300	40.0	1412	39.3	1388	34.0	1200	28.5	1006	300	3000	2050	2100	4800	DN 100

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## Fully Automatic Interlocking Control and Operation Management

Intelligent PLC, with the signals of pressure, temperature, current provided with key important indicator of 12 alarms and full security protection measures, multi-language display suited for different countries requirement, maintenance period reminder, RS485 communications interface help realize linkage work for many compressors, concisely and comprehensively to let customer understand the running situation in a timely manner.



## Safe Leakage-Proof Connection

Abandoned the traditional hose with low cost whole rigid line and flexible connection, put an end to bursting of ageing of pipeline causing leakage, reduce the oil pressure loss at the same time. Adopt cutting sleeve or fluorine rubber o-rings for sealing which prevent leakage. Also, it helps reduce vibration effectively.



## Intake Valve With Saving Energy

Intake valve with high-quality and high reliability effectively control the loading and unloading of machine, saving energy. Sol.valve service life is up to 2 million times more than the structure used to upgrade, no gap can be completely sealed, no need air cylinder pneumatic control, no seal diaphragm etc. wearing parts.



## Electric control Components

Reliable electrical control components to ensure the long-term stable operation of units.

## General Arrangement Diagram of Compressed Air System





**INDO-AIR**®  
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UTILITY AIR SOLUTIONS

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Dealer / Distributor: