

**EMTEX**

Stationary Screw Compressors



**BRANCHES : DELHI PUNE BANGALORE**



## Compressors World Class Technology



### About Us

Emtex Compressors has been established in 2007 with the aim to serve various industries with its impeccable products.

Through our experience, acumen and specialty, we are able to offer high quality with its impeccable products. Through our experience, acumen and specialty, we are able to offer high quality compressed air solutions, Industrial Screw compressor, piston type compressor, air dryer, air receiver & line filter & various project utility works. The core emphasis of the company is on growth and customer satisfaction which is achieved by constant and consistent efforts towards quality improvement and product development. We have to show tremendous growth potential as a result of maintaining international standards and delivering high quality product at a low cost.

We invite queries of our valued Indian buyers for further clarification. We have developed true depth and breadth of engineering skills and processes. These skills have been refined through recent experience in designing cost-effective systems, using state-of-the-art technology and all this with increased service strength. The practical innovations without the constraints typically found in a development environment have allowed us to deliver low-cost and rapid solutions.

### Goal :

To deliver world class compressed air systems and equipments.

### Solution :

EMTEX Compressors offers a variety of range of solutions to plant engineering and utility requirements.

### Quality Assurance :

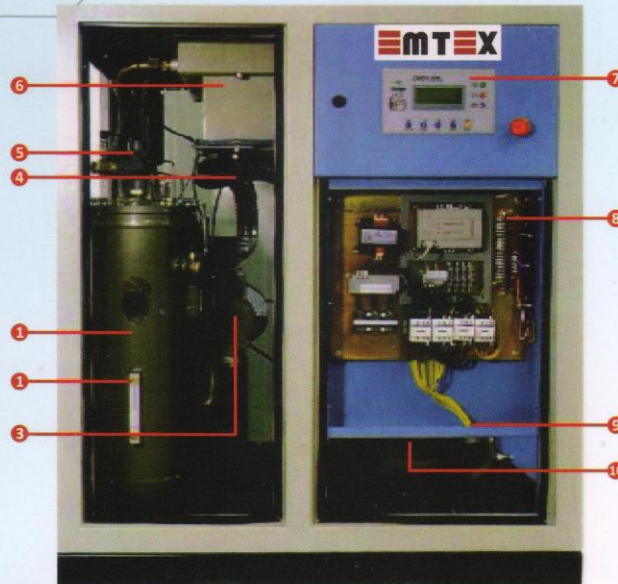
We herewith promise complete satisfaction to all EMTX product users in lieu of what they've spent on it. Our whole system is quality oriented, weather it is a single piece or a large consignment. We never cut corners to save money, never escape processed and testing to save time, never use inferior material and never indulge in unfair dealings to garner undue profits. Its our aim to give highest quality at fair price, because we know that " long-lasting performance " of our product is the only formula for our survival and success. The compressors can be supplied bare, base plate mounted or receiver mounted . The designs/specifications are subject to change without notice on account of frequent in products' quality.

### Technical Specification

Model	Motor Power		Working Pressure		Free Air Delivery		Notice Level	Weight (Net)	Dimensions LxWxH
	KW	HP	BAR	PSIG	m <sup>3</sup> /MIN	CFM			
50HZ							DB(A)	KG	(M)
JB-7.5	5	7.5	8 10	115 145	0.9 0.8	32 28	≤64	225	0.86x0.76x1.04
JB-10	7.5	10	8 10	115 145	0.1 0.9	39 32	≤64	270	0.86x0.76x1.04
JB-15	11	15	8 10	115 145	1.7 1.5	60 53	≤64	450	1.14x0.81x1.09
JB-20	15	20	8 10	115 145	2.2 2.1	78 75	≤64	450	1.14x0.81x1.09
JB-25	18	25	8 10	115 145	3.1 2.7	110 96	≤64	620	1.44x0.91x1.25
JB-30	22	30	8 10	115 145	3.6 3.3	127 117	≤66	620	1.44x0.91x1.25
JB-40	30	40	8 10	115 145	4.9 4.3	173 152	≤66	680	1.56x1.06x1.46
JB-50	36	50	8 10	115 145	6.3 5.7	222 202	≤66	850	1.56x1.06x1.46
JB-60	45	60	8 10	115 145	7.5 6.8	265 240	≤66	850	1.56x1.06x1.46
JB-75	55	75	8 10	115 145	9.8 8.5	347 300	≤68	1800	2x1.30x2
JB-100	75	100	8 10	115 145	13.0 11.9	460 420	≤68	1900	2x1.30x2

- ♦ Aircooled Exhaust Temperature <+15°C Driveway Belt/ Direct
- ♦ 3Phase 415 Volt 50Hz. Starting Method-Direct Online / Star Delta Starter
- ♦ Higher Capacity Screw Compressor Also Available
- ♦ Specification subject to change without notice due to improvement for excellence.

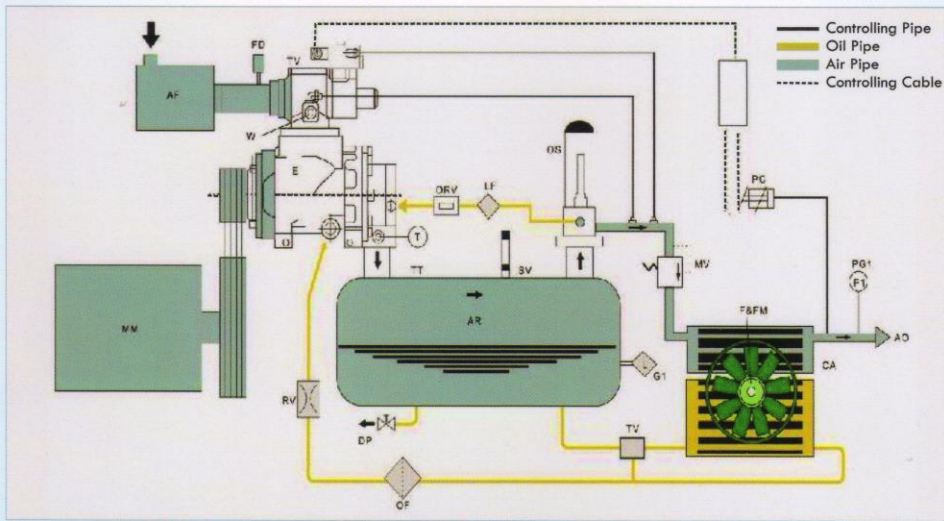




(Motor Output) : 22kW  
 (Rated Pressure) : 0.8Mpa  
 (Exhaust) : 3.6m<sup>3</sup>/min

1. Oil Tank
2. Oil Indicator
3. Airend
4. Air Inlet Pipe
5. Minimum Pressure Valve
6. Air-Oil Cooler
7. Intelligent Control
8. Electrical Control Box
9. Wire Pipe
10. Motor

### AIR COMPRESSOR WORKING PROCEDURE



- |   |                                     |                                  |
|---|-------------------------------------|----------------------------------|
| <b>AF</b> Air Filter                    | <b>ORV</b> Oil Indicator            | <b>VV</b> Blowdown Valve         |
| <b>E</b> Compressor Head                | <b>RV</b> Oil Indicator             | <b>CO</b> Oil Cooler             |
| <b>IV</b> Inlet Valve                   | <b>TV</b> Temperature Control Valve | <b>GL</b> Oil Level Meter        |
| <b>OF</b> Lubricating Oil Filter        | <b>AO</b> Air Outlet                | <b>MV</b> Minimum Pressure valve |
| <b>PG</b> Pressure Transducer           | <b>CA</b> After Cooler              | <b>PC</b> Pressure Switch        |
| <b>TT</b> Temperature Sensor            | <b>F&amp;FM</b> Fan and Fan Motor   | <b>SV</b> Safety Valve           |
| <b>AR</b> Oil Tank                      | <b>MM</b> Main Motor                | <b>DP</b> Oil Drainage Pipe      |
| <b>FD</b> Air Filter Indicator (Select) | <b>OS</b> Oil Air Separator         |                                  |
| <b>LF</b> Small Filter (Select)         | <b>SCM</b> Micromam Controller      |                                  |



### MAIN MOOR

- IP 54
- ISOLATE: F CLASS
- SERVICE FACTOR : 101-1.15, working in heavy loading for a long time.
- SKF Bearing, Low Noice, Long Life



### Reduce Starting Load

#### Intake Valve System

Intake valve optimally control the compressure capacity during tartup reducing the no-load power. This Optimal Capcity Control Result in Direct Saving on power consumption, no need add on non return valve in the oil pipe systems & fit machnery unloading valve

#### INTAKE VALVE

- Proportion Adjust Intake Valve
- Special Design Cylinder exactly Adjustment
- Non return function, no need add non return valve in the oil pipe systems
- Fit machinery unloading valve



### OIL-GAS SEPARATOR

- Less diffrence pressure, the beginning is 0.2 bar
- Good separation effect, resist rate is about 1~3mg/m3
- Contain pre filter, three stage separation
- Strong resist effect, resist 5 bar pressure



### OIL FILTER

- Filter precision : 10
- Less pressure difference
- Containing Pressure difference alarm



### AIR END

#### Save Energy

#### High Efficient Airend

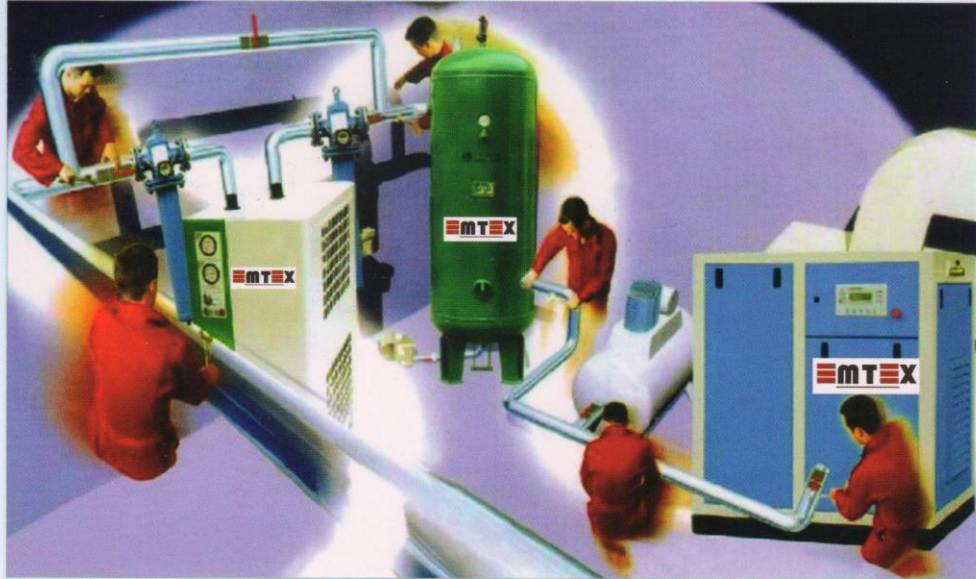
The rotors ensure energy-efficient compressed air supply for all demanding applications.

- Precise rotor clearances for best-in-class energy efficiency
- Low operating speed for long life, low maintence and low sound level
- complies with applicable safety standard
- 5.6 male female rotary
- SKF bearings low noise
- Low energy consumption, reliability quality, 100000 HR.



### AIR FILTER

- Heavy load and high efficiency
- Stable Quality, Long Life



**THE IDEAL COMPRESSED AIR ARE SUITABLE FOR VARIOUS INDUSTRIAL REQUIREMENTS FOR VARIOUS INDUSTRIAL REQUIREMENTS**

1. Compressor
2. Cyclonic Condensate Separator
3. Isolating Valve
4. Air Receiver
5. Automatic Drain Valves
6. Ceramic Pre-filter of Type 3um
7. Air Dryer
8. Electronic Condensate Drain
9. Precision Filter pf Type 1 um
10. Precision Filter hf Type 0.01um
11. Activated Carbon Filter of Type 0.003um
12. Water-oil Separator

Air conveying, air cleaning and basic applications

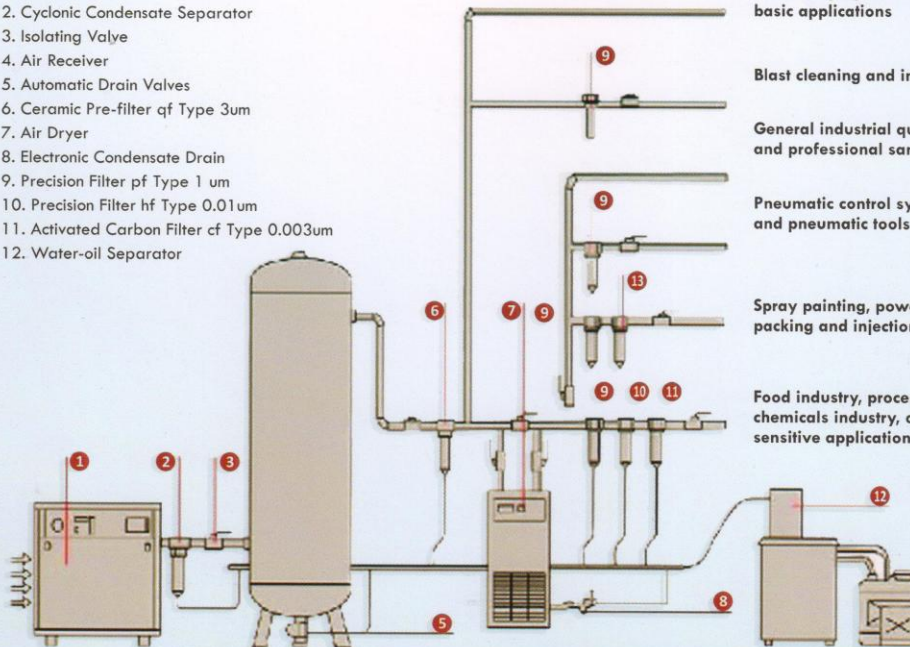
Blast cleaning and inflating

General industrial quality air and professional sand blasting

Pneumatic control systems and pneumatic tools

Spray painting, powder coating packing and injection molding

Food industry, process and chemicals industry, other sensitive applications



### RECEIPROCATING AIR COMPRESSOR SERIES

#### Single Stage Air Compressor

Model	No. of Cylinder	Comp. RPM	Piston Displacement		Working Pressure	Motor (hp.)	Air Receiver (lt)
			L/Min	CFM			
JV-0.036/8	1	880	100	3.5	8kg	1	40
JV-0.17/8	2	1030	170	6	8kg	2	100
JV-0.25/8	2	1030	250	9	8kg	3	150
JV-0.6/8	2	920	600	21	8kg	5	200
JV-0.67/8	2	900	735	26	8kg	7.5	250
JW-0.9/8	3	820	1000	35	8kg	10	250
JW-1.6/8	3	870	1690	59	8kg	15	400
JW-2.0/8	3	820	2122	75	8kg	20	500

#### Two Stage Air Compressor

Model	No. of Cylinder	Comp. RPM	Piston Displacement		Working Pressure	Motor (hp.)	Air Receiver (lt)
			L/Min	CFM			
JV-0.25/12.5	2	1030	250	9	12.5kg	3	150
JW-0.36/12.5	3	1080	360	13	12.5kg	3	150
JV-0.6/12.5	2	900	600	21	12.5kg	5	250
JV-0.67/12.5	3	900	735	26	12.5kg	7.5	250
JW-0.8/12.5	3	820	1000	35	12.5kg	10	250





## **Emtex Machinery Private Limited**

184, DDA Office Complex, Jhandewalan Ext.-I, New Delhi-110055

Mobile : 9811014184, 7838595134,

Phone No. 011-43584157/ 011-43575134

Email : delhi@emtex.in/sales@emtex.in

Distributor :

--