

**FUSION**<sup>®</sup>  
SCREW AIR COMPRESSOR

ENERGY SAVING AND HIGH RELIABILITY

ADVANCED TECHNOLOGY FROM GERMANY





# PROFESSIONAL SCREW AIR COMPRESSOR



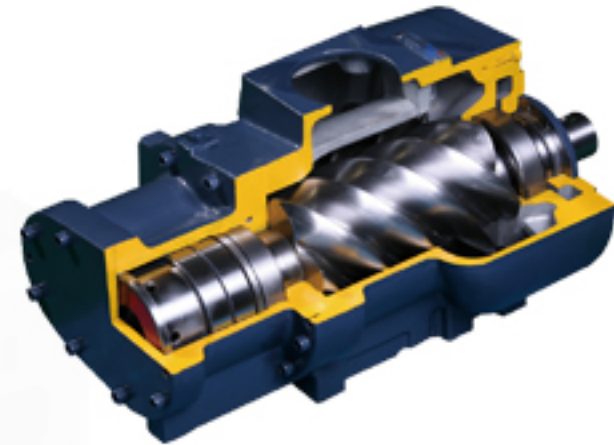
**COMER air-end** is one of the global well-known screw compressor suppliers, located in Milan Italy the center of RHVAC industry in Europe.

Comer has been dedicating to develop the first class products with high reliability, competitive price and excellent efficiency to the international customers, both creating & sharing win-win situation.

As a professional semi-hermetic screw compressor supplier, we are sound of continuous innovation, speedy logistics, and rapid after-sales service.

## Features:

1. Low noise, low vibration, dust proof and easy maintenance enclosure design combined with excellent performance and neat outline
2. Heavy-load and low-rpm design of air end, greatly extending its lifetime with working pressure up to 13 bar.
3. Rigid chassis + anti-vibration design
4. Interlock System + Operation Management System + Remote Monitoring System.



Energy-saving, high efficiency and high level quality

**FUSION**®





# EFFICIENCY SCREW AIR COMPRESSOR

## High Efficient Air End

Screw air end is the core of screw air compressor, its performance directly influence the economy and use cost of the whole machine. The compressor is matched with high-precision SKF bearing. Making sure the compressor become less power dissipation and lower energy consumption under the same working conditions, and achieve goals



## High quality air end and bearing

High quality air end and bearing contribute to high stability of compressor under changeable conditions. Make the compressor adapts to the changeable of loading and prolong the service life of rotors:

- Low running speed decreases the abrasion of bearing.
- Low running temperature letdown the load of bearing.
- High precision bearing prolongs the service life.



## Stable microcomputer controlling

1. Standardized design
2. The selected high-tech microcomputer processor can adjust the load of air compressor automatically according to the air capacity in demand.
3. Professional wiring interface is reasonable, brief, clear and easy to maintain.
4. Imported brand electric elements.
5. Strong fault diagnosis and protection functions make The air compressor run more reliable and save more electricity.



## Intake valve

1. According to the system capacity requirement, automatically adjust the volume, ensure smooth operation of equipment and reduce the operating cost, energy saving
2. The vulnerability of smallest maintenance work
3. Large size, small pressure drop, inspiratory capacity



## Intake air filters

By using a large dust holding. Our air filter can filter the micro articles to ensure every component of system works normally.

1. High efficiency imported filter from MANN Filter
2. Dust removal effect of 99.9%
3. Ensure that the compressor host effective dust
4. The extension of the air system of life.



## Motor

With trailer-made low RPM motor. Our compressors are ensured to operate reliably and are 3% to 5% more efficient than competing machine. SKF bearing more durable and reliable, energy saving and long life protection grade and insulation F-class



## Air/Oil separation system

With super high volume tank, the superior quality separator component and advance design thrice air oil separator, our compressor can ensure the high quality of compressed air which contains less than 3 ppm oil.



## High efficient oil filters

Imported from MANN Filter, the efficiency is 20% higher than conventional filter, filtration precision is 9 micron better protection to the air end to get a longer life.



## Quality System



### CE European Union standard certification

Fusion's product design, production meet the standard of European Union.



### ISO9001 Quality Standard

From design, manufacture to delivery, Fusion Compressor abides by the ISO9001 quality system.



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# SCREW AIR COMPRESSOR TECHNICAL SPECIFICATION



## SCREW AIR COMPRESSOR FB 7.5A - FB 100A

Models and Specifications												
Model		FB-7.5A	FB-10A	FB-15A	FB-20A	FB-25A	FB-30A	FB-40A	FB-50A	FB-60A	FB-75A	FB-100A
Free Air Delivery (m3/min) / Mpa		0.85 / 0.7	1.2 / 0.7	1.7 / 0.7	2.4 / 0.7	3.1 / 0.7	3.8 / 0.7	5.2 / 0.7	6.4 / 0.7	8.0 / 0.7	10.5 / 0.7	13.6 / 0.7
		0.78 / 0.8	1.1 / 0.8	1.6 / 0.8	2.2 / 0.8	2.9 / 0.8	3.5 / 0.8	5.0 / 0.8	6.1 / 0.8	7.7 / 0.8	9.8 / 0.8	13.3 / 0.8
		0.65 / 1.0	0.95 / 1.0	1.4 / 1.0	2.0 / 1.0	2.7 / 1.0	3.2 / 1.0	4.3 / 1.0	5.7 / 1.0	7.0 / 1.0	8.7 / 1.0	11.6 / 1.0
		0.5 / 1.3	0.8 / 1.3	1.2 / 1.3	1.7 / 1.3	2.2 / 1.3	2.9 / 1.3	3.7 / 1.3	5.1 / 1.3	5.8 / 1.3	7.5 / 1.3	9.8 / 1.3
Output	(KW)	5.5	7.5	11	15	18.5	22	30	37	45	55	75
	(HP)	7.5	10	15	20	25	30	40	50	60	75	100
Noise Level dB(A)		65±2	66±2	68±2		69±2			70±2	72±2	73±2	75±2
Drive mode		Belt drive										
Air Outlet Size		G3/4				G1 1/4			G1 1/2		G2	
Weight (kg)		178	178	335	350	500		560	700	820	1300	1350
Dimension	Length(mm)	750		950		1100			1200		1500	1550
	Width(mm)	600		800		850			1000		1150	1270
	Height(mm)	840		1120		1300			1440		1500	1500



## SCREW AIR COMPRESSOR FD 30A - FD 250A(W)

		Models and Specifications										
Model		FD 30A	FD 40A	FD 50A	FD 60A	FD 75A	FD 100A	125A(W)	150A(W)	180A(W)	220A(W)	250A(W)
Free Air Delivery (m3/min) / Mpa		3.8 / 0.7	5.2 / 0.7	6.4 / 0.7	8.0 / 0.7	10.5 / 0.7	13.6 / 0.7	16.3 / 0.7	20.8 / 0.7	24.8 / 0.7	28.5 / 0.7	32.5 / 0.7
		3.5 / 0.8	5.0 / 0.8	6.1 / 0.8	7.7 / 0.8	9.8 / 0.8	13.3 / 0.8	16.0 / 0.8	20.6 / 0.8	24.0 / 0.8	27.0 / 0.8	30.2 / 0.8
		-	-	5.7 / 1.0	7.0 / 1.0	8.7 / 1.0	11.6 / 1.0	14.6 / 1.0	17.0 / 1.0	20.6 / 1.0	23.2 / 1.0	27.0 / 1.0
		-	-	5.1 / 1.3	5.8 / 1.3	7.5 / 1.3	9.8 / 1.3	12.3 / 1.3	14.2 / 1.3	16.5 / 1.3	19.7 / 1.3	22.5 / 1.3
Output	(KW)	22	30	37	45	55	75	90	110	132	150	185
	(HP)	30	40	50	60	75	100	125	150	180	220	250
Noise Level dB(A)		69±2		70±2	72±2	73±2	75±2					78±2
Drive mode		Direct drive										
Air Outlet Size		G1 1/4		G1 1/2		G2			DN65		DN80	
Weight (kg)		520	650	810	900	1350	1400	1700	2500	2600	3150	3330
Dimension	Length(m	1300	1500	1500	1500	1650	1800	2000	2380	2380	3000	3000
	Width(mm	860	1000	1000	1150	1170	1200	1200	1650	1650	1800	1800
	Height(mm	1120	1300	1300	1500	1440	1500	1600	2000	1900	2050	2050

Distributor:

