



AIR COMPRESSOR MANUFACTURER

*Introducing Energy Saving
Permanent Magnetic Motor*



Oskar
Business Brochure

ISO - 9001:2015

RVHFSINFOTECHPVT.LTD.



COMPANY PROFILE

FIRST CLASS QUALITY • FIRST CLASS REPUTATION
FIRST CLASS SERVICE.

RVHFS INFOTECH PVT. LTD. is located in NEW DELHI which is India's capital with great transportation convenience. Oskar is a comprehensive Screw Air Compressor manufacturer that engaged in R&D design production and sales. It has a plant of 5000m². Inculding a large production workshop, a comprehensive first-class Exhibition hall and a testing laboratory.

Oskar's primary businesses focus in following key areas: Oil-injected Rotary Screw Compressors (Fixed Speed and Variable Speed; normal and low pressure), Oil free Screw Air Compressors (Scroll type, dry type, water- lubricate type), Energy Saving Screw Air Compressor (PM VSD Screw Air Compressor, Two stage Screw Air Compressor, Scroll Screw Air Compressor), Portable Screw Air Compressors, (Electric motor Powered), Air treatment equipment (Air Dryers, Air Filters and Air Receiver Tank), At Oskar, we earn our customers' trust and satisfaction by manufacturing the superior quality Compressed Air Products for all Industries. All of our products are designed for reliable performance, easy maintenance and maximum energy efficiency , Oskar has been exporting to more than 18 countries across the globe.

Upholding the core concept of "Reliable Carrying Trust". Oskar Strives to provide the most reliable products and services through continuous innovation, so that customers can continue to obtain the maximum value for their returns.



Has the core technology of super frequency conversion energy saving
Achieve the characteristics of quietness, durability, Power saving and safety.

INNOVATE 12 CORE TECHNOLOGIES

Imported main engine, large rotor,
low speed and long life..

Coaxial one, split design, motor
bearingless, no maintenance, no
transmission loss.

IP55 brand permanent magnet Motor, long
service life, no demagnetization.

High-performance vector PM integrated double
frequency conversion constant voltage, constant
temperature technology.

Efficient and silent centrifugal frequency
conversion fan control system.

Industry-leading intelligent frequency conversion
touch screen control technology, with the lowest
labor cost.

Super intelligent monitoring internet of things
technology allows you to expand unlimitedly,
remote control by mobile phones and
computers.

True color display, touch screen at least 1million
times, support 37 language settings.

Customers do not need to install an
electricity meter for electricity consumption
and the display directly displays the
electricity.

It can be said that customers have
customized various models of products.

Each PM VFD air compressor has the
characteristics of low noise, low energy
consumption and the average energy
saving is more than 35%.

Humanized appearance design, beautiful and
practical, detachable, unique door buckle
design, make management work easy and
simple.



Compressed air is a type of clean and environmental friendly energy. Oskar goal is to make use of this energy easier by proposing solution and systems that are the result of a careful analysis of the needs of all potential users, distributors and their satisfaction.



MICRO COMPUTER CONTROL SYSTEM

Intelligent micro computer control system. The LCD can show present temperature, working pressure, accumulative working time, malfunction, etc. Maintenance schedule through ON Line.

ADVANCED SCREW AIREND

Advanced rotary screw technology, equipped with high efficiency rotary screw airend powered by efficient electric motor



LOADING HEAD

This newly designed and improved intake controll system ensures economic control and protection of the screw. The control system has been redesigned to be simpler and more reliable. The air intake filter eliminates dust and other harmful particles that may cause premature wearing of the machine. Upon start-up of the machine, the control system will close the intake valve reducing start-up load. Shut down procedure will release pressure from the oil reservoir and prevent lubricant leakage. The new design has resulted in reduced air intake noise.

SPIN ON THREE STAGE SEPARATOR AIR/OIL

Service & maintenance are made extremely simple through spin on three stage separator (upto 20 HP) and convenient location of oil receiver, oil filters and air oil separator - user friendly from servicing point of view. The separator will remove oil particles from the air down to a ratio of 1-2 parts per million. Efficient separation means post-treatment of all will be economical. Cleaner air means low maintenance costs on pneumatic equipment.





MAGNETIC MOTOR

By using permanent magnet synchronizing motor the energy saving on the VSD can be increased by 15 to 20%. Permanent magnetic motor and compressors are designed with the one shaft and by 100% transmission efficiency. Compared to normal motor the permanent magnet synchronizing motor performs with the excellent energy efficiency.

OIL FILTER

The screw spin on oil filter makes servicing convenient. The filter eliminates oil impurities and other particles produced by wear and tear. High quality oil filtration extends the service life of rotors, bearings and other moving parts.



QUIET OPERATION

High efficiency cooling fan provides sound level low.

ENERGY EFFICIENT COMBINATION COOLER

Utilising production methods and design the cooling system was designed to provide sustainable and efficient operation in high temperature high humidity environments. The new cross-exchange cooler not only increases exchange capacity by 10% but also is designed to resist chemical damage



MOTOR

World-class IE2 electric motor features Grade F insulation and IP54 protection. Bearings are SKF.

EXCELLENCE IN INTEGRATED AIR DRYER

- Foot print required is less as compressor and dryer mounted on the air tank.
- Huge money and time saved by avoiding site plumbing and electrical.
- Compressor and dryer are independent hence dryer maintenance is possible without stopping the compressor. Therefore no production losses.
- Single transport cost.
- Plug and use on arrival of the compressor.



COST SAVING CONTRIBUTORS

Advanced 3 in 1 heat exchanger. No pressure drop.

Transport Cost

Less foot print

No site plumbing and electrical cost

Tank Mounted Screw Compressor with dryer and filters (OSK Series)

Model	Max Working Pressure in kg/cm ²	Tank Capacity	Motor		Flow cfm	Noise dB (A)	Weight (kgs)	L W H (mm)
			HP	Kw				
OSK-3	10	220	3	2	9.5	61	BM:110 TM:170 CDF:210	BM:0675x0550x0815
OSK-5	8-10	220	5	3.7	21-18	61	BM:115 TM:175 CDF:215	TM:1750x0550x1430
OSK-7.5	8-10	220	7.5	5.5	25-22	64	BM:130 TM:190 CDF:230	CDF:1750x0550x1430
OSK-10	8-10-13	270	10	7.5	44-35-28	64	BM:160 TM:250 CDF:300	BM:0825x0550x0740 TM:1900x0550x1470 CDF:1900x0550x1470
OSK-15	8-10-13	500	15	11	63-55-45	65	BM:310 TM:470 CDF:520	BM:0950x0770x1120 TM:2100x0770x1760
OSK-20	8-10-13	500	20	15	83-74-64	72	BM:330 TM:490 CDF:540	CDF:2100x0770x1760

BM - Base Mounted; TM - Tank Mounted; CDF - Tank Mounted with Dryer & Filters

Base Mounted Screw Compressor (OSKB Series)



Model	Max Working Pressure in kg/cm ²	Motor		Flow cfm	Noise dB (A)	Weight (kgs)	L W H (mm)
		HP	Kw				
OSKB -15	7-10-13	15	11	71-60-48	72	410	950x770x1120
OSKB-20	7-10-13	20	15	96-89-78	72	410	1000x850x1240
OSKB-25	7-10-13	25	18.5	120-105-85	72	480	
OSKB-30	7-10-13	30	22	138-116-94	72	530	
OSKB-40	7-10-13	40	30	205-173-140	72	780	1270x1070x1500
OSKB-50	7-10-13	50	37.5	255-209-180	72	790	
OSKB-60	7-10-13	60	45	305-255-210	73	950	
OSKB-75	7-10-13	75	55	368-303-271	73	1540	1700x1400x1650
OSKB-100	7-10-13	100	75	464-390-350	73	1540	
OSKB-125	7-10-13	125	90	572-486-440	74	2480	2100x1600x2000

VSD Screw Air Compressor



The (Variable frequency) Variable Speed Drive VSD Series is designed as a total concept, rather than by adding a frequency converter to an existing machine, it is tightly integrated and mechanically tested and has low vibration at high performance.

Main benefits are a highly Oskar stable air net pressure, low starting currents, a total absence of peaks and a high power factor.

By varying the speed of the drive motor, the Oskar (variable frequency) Variable Speed Drive VSD Series compressor output closely follows the air demand by covering a wide range, without load-unload switching. The result is a constant pressure, without fluctuations, which greatly benefits to your overall process stability.

Furthermore, a great energy saving between 20% and 35% is achieved during partial load. The reduction in energy cost over a typical life cycle might even surpass the initial investment cost of the screw air compressor. In other words, the savings realized by VSD can pay for the entire machine.

Energy Saving 1:1 Direct Drive transmission - OSKJ Series

OSKJ & OSKB series are built for continuous duty in very hard conditions of use. The design of the machine have been focused not only on power consumption, but also on maintenance and operational costs and installation ease.

The drive between the airend and electric motor is carried out by means of gearless direct coupling connection. One to one direct drive by maintenance free coupling reduces number of components needed in gear drive, increasing reliability and service life through elimination of wear & transmission loses. Low speed 2950 RPM larger airends are more efficient than high speed airends. A dedicated airend for any machine at any pressure in order to grant maximum performance in the complete range.



Base Mounted Screw Compressor (OSKJ Series)

Model	Max Working Pressure in kg/cm ²	Motor		Flow cfm	Noise dB (A)	Weight (kgs)	L W H (mm)
		HP	Kw				

OSKJ Series

OSKJ-15	8	15	11	63	72	410	1250x700x1120
OSKJ-30	8	30	22	134	72	530	1350x800x1350

OSKJB Series

OSKJB-25	8	25	18.5	130	72	480	1350x800x1350
OSKJB-40	8	40	30	205	72	830	1270x1070x1500
OSKJB-50	8	50	37	225	72	830	1270x1070x1500
OSKJB-60	8	60	45	268	72	1450	1900x1200x1500
OSKJB-75	8	75	55	339	73	1540	1900x1200x1500
OSKJB-100	8	100	75	450	73	1640	1700x1400x1650
OSKJB-125	8	125	90	565	74	2580	2100x1600x2000
OSKJB-150	6-7-10	150	110	757-725-608	77	2230	2260x1660x1800
OSKJB-175	6-7-10	175	130	892-853-725	77	2560	2750x1760x1850
OSKJB-200	6-7-10	200	150	1044-1001-868	79	2890	2750x1760x1850

Principle of Operation - OSDRY

Warm compressed air enters the Air / Air Heat Exchanger where it is pre-cooled by outgoing cold dry air. The pre-cooled air enters the Air to Freon Heat Exchanger where it is cooled down to +30°C. At this temperature, water condenses into liquid droplets, which are removed from the air stream by a very efficient Demister and automatically discharged by a Automatic Drain Valve. The Cold dry compressed air passes back through the secondary side of the Air to Air Heat Exchanger where it is reheated by the incoming warm air.



Specification of Dryer

Model	Flow in scfm	Power Consumption in KW		End Connection	Dimensions in mm			Weight in Kg	Max. Working Pressure Kg/cm ²
		R 134a	R 407c		H	W	D		
OSKD 20	20	0.32	—	1" BSP	420	400	430	38	16
OSKD 45	45	0.34	—	1" BSP	420	400	430	38	16
OSKD 50	50	0.36	—	1" BSP	525	450	475	48	16
OSKD 60	60	0.37	—	1" BSP	525	450	475	48	16
OSKD 80	80	0.85	—	1" BSP	675	485	525	65	16
OSKD 100	100	0.85	—	1" BSP	675	485	525	65	16
OSKD 130	130	0.85	—	1" BSP	675	485	525	65	16
OSKD 150	150	1.02	—	1" BSP	860	670	700	123	16
OSKD 200	200	—	1.7	1½" BSP	860	670	700	129	16
OSKD 250	250	—	1.7	1½" BSP	860	670	700	129	16
OSKD 300	300	1.42	2.40	2" NB	1275	850	800	240	16
OSKD 400	400	1.95	2.30	2" NB	1275	850	800	260	16
OSKD 500	500	1.95	2.30	2" NB	1275	850	800	290	16
OSKD 650	650	—	3.5	2" NB	1700	1100	1425	350	16
OSKD 800	800	—	4.0	3" NB	1700	1100	1425	490	16
OSKD 1000	1000	—	5.1	3" NB	1700	1100	1425	580	16
OSKD 1250	1250	—	7.9	4" NB	1700	1100	1425	620	16
OSKD 1500	1500	—	7.9	4" NB	1700	1100	1425	900	16
OSKD 2000	2000	—	10.2	6" NB	1700	1100	1450	1020	16

For any other capacity contact factory. Specifications are subject to change without notification.

Compressed Air Filters

Model	Grade	Flow cfm	Pressure Kg/cm ²	Pipe Size BSP	Height (mm)	Width (mm)
OSKF65	P / O / M	65	13	¾"	260	100
OSKF50	P / O / M	150	13	1"	350	150
OSKF250	P / O / M	250	13	1½"	750	220
OSKT600	P / X / Y	350	16	1½"	474	114
OSKT851	P / X / Y	500	16	2"	666	148
OSKT1210	P / X / Y	710	16	2"	736	148

Specification

Element Grade

Description	P	O/X	M/Y
Filter Element	Borosilicate	Borosilicate	Borosilicate
Particle Removal	5 (Micron)	1 (Micron)	0.01 (Micron)
Max. Oil carryover	5 (mg/m ³)	0.5 (mg/m ³)	0.01 (mg/m ³)
Max. Working Temp.	80°C	80°C	80°C





Oskar
— Made for All —



Installation Guide ISO 8573.1

RVHFS Infotech Pvt. Ltd.

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