PRODUCT CATALOGUE

Air Compressor & Accessories

AIR COMPRESSOR

Quality | Efficiency |Reliability

SALES & SERVICES

Air Compressor Sales, Maintainance, Spares

Industrial Series

Energy Saving Air Compressors

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Shop No: 01, Kirtidhar Housing Society,Near Gopal Krushna Lawn,
Wathoda - 440008 (Nagpur, MH)

LOW PRESSURE VACUUM PUMPS

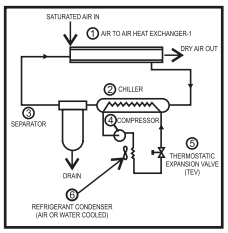
SINGLE STAGE				
MODEL	MOTOR HP	COMP. RPM	PD CFM	MAX. VACUUM
NK - 34 V	2	950	21.6	29"HG
NK - 42 V	2	866	34.6	29"HG
NK - 53 V	5	750	60	29"HG
NK - 7 V	7.5	1000	110	29"HG
NK - 15 V	10	900	149.6	29"HG

TWO STAGE				
MODEL	MOTOR HP	COMP. RPM	PD CFM	MAX. VACUUM
NK - 34 V2	2	950	10.8	29.6"HG
NK - 42 V2	2	866	17.3	29.6"HG
NK - 53 V2	5	750	30	29.6"HG
NK - 7 V2	7.5	1000	55	29.6"HG
NK - 15 V2	10	900	99	29.6"HG

Single / Two stage clean air piston type vacuum pump applicable for Ceramic / Paper mill / Hospital / Carbon & Asbestos processing unit.

REFRIGERATED AIR DRYER

- Refrigerated Air Dryer Available up to 50KG/CM G
- Inlet Air Temperature 40°C
- Dew Point 2°C - 3°C
- Automatic Drain Valve Provided for All Models
- Hermetically Sealed Compressor for All Models



ACCESSORIES

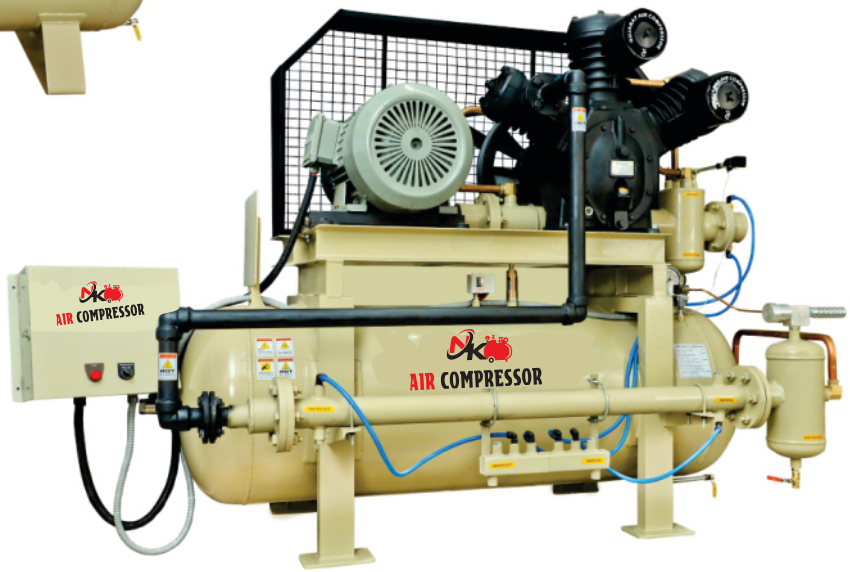
Air Receiver

Inline Filters

HIGH PRESSURE AIR COMPRESSOR

- 20 Hp delivers 54 cfm @ 25 kg/cm^2.
- No Cooling Tower Required.
- Saving up to more than Rs.53,000/year.
- No Scaling or water maintenance problems.
- Special designed for Hot Indian climate.

- 25 Hp High Pressure Air Compressor
- 25 Hp delivers 72 cfm @ 25 kg/cm^2.

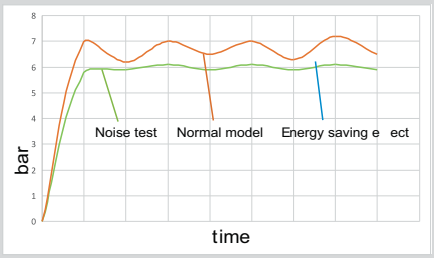


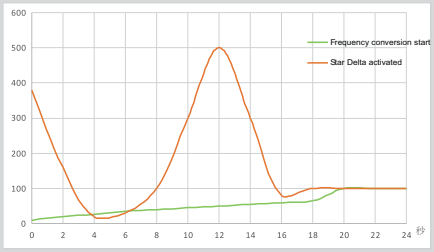
MODEL	MOTOR HP	COMP. RPM	PD	FAD	MAXIMUN PRESSURE		NO. OF CYLINDER	AIR RECEIVER (LTR)
			CFM	CFM	Kg./CM^{2}G	Psig		
NK-34 H	3	660	7.4	4.8	35.15	500	2	150
NK-2600H	10	800	32	26	20	285	2	300
NK-71H	15	900	40.92	24.3	35.15	500	2	300/500
NK-15T2	15	750	41.26	31.41	35.15	500	3	500
NK-15T2	20	900	49.47	37.7	35.15	500	3	500
NK-20TH	20	800	72.68	54	25	355	3	500
NK-25TH	25	900	98.94	72	25	355	3	500
NK-15T2 DUPLEX	20 X 2	900	99	76	35.15	500	3	500
NK-20TH DUPLEX	20 X 2	800	145.36	108	25	355	3	500
NK-25TH DUPLEX	25 X 2	900	198	144	25	355	3	750/1000

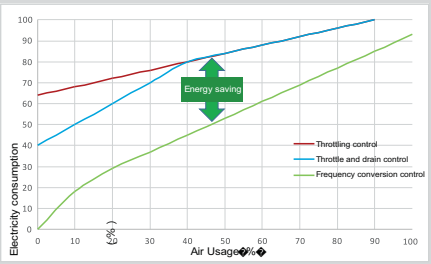
PM VSD SCREW AIR COMPRESSOR

Overall energy saving

Compared with power fixed speed air compressor, variable speed air compressor has practiacl significance in energy saving







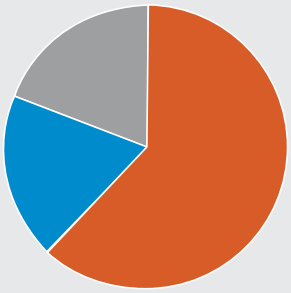
1.The pressure control of variable speed air compressor is precise. It can quickly respond to pressure changes, adjust the speed of the permanent magnet motor, control the pressure fluctuation range within ±0.1bar, stabilize the pressure of the pipe network, provide the necessary air volume with the most reasonable power, and reduce excess energy loss.

2.Variable speed air compressor adopts the method of frequency conversion startup, eliminating the peak current of star-delta start up and starting smoothly. Reduce the starting power, reduce the impact on the power grid and equipment, and can reduce the equipment operation noise.

3.Variable speed control is more excellent than ordinary throttle control. The adjustment range of the flow rate is larger, and with the high- e ciency permanent magnet motor, the energy saving e ect is more significant at a low percentage flow rate.

Most of the cost in the life cycle of the air compressor is generated by the electricity it consumes. The power consumption of the compressor is closely related to the on-site air planning. The variable speed air compressor can not only ensure smooth production, but also save considerable electricity costs and achieve a win-win situationfor the enterprise.

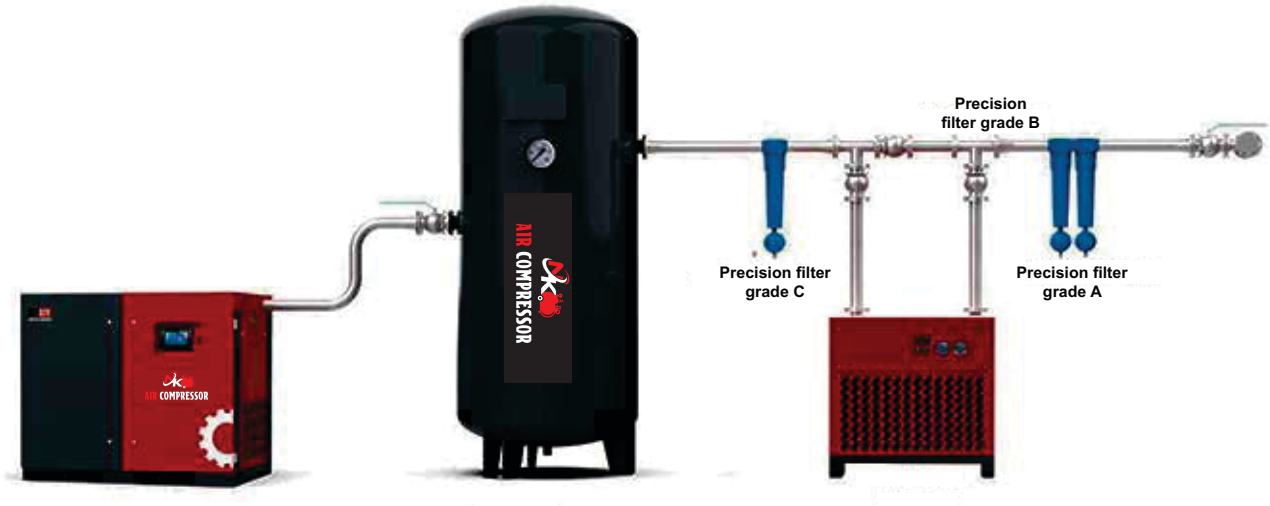
Cost of regular air compressor



- Energy consumption
- Maintenance cost
- Purchase cost

Cost of varible speed air compressor

- Energy consumption
- Maintenance cost
- Purchase cost
- Energy saved



TECHNICAL SPECIFICATION

Model No.	KW	HP	RPM	PRESSURE	CFM	NOICE (DB)	WEIGHT	DIMENTIONS L	W	H
NK	7.5	10	2900	07	43	60 ± 2	300	960	687	924
			2900	08	39	60 ± 2	300	960	687	924
			2900	10	32	60 ± 2	300	960	687	924
NK	11	15	2920	07	61	60 ± 2	330	1200	740	1082
			2920	08	59	60 ± 2	330	1200	740	1082
			2920	10	47	60 ± 2	330	1200	740	1082
NK	15	20	2920	07	82	60 ± 2	350	1200	740	1082
			2920	08	80	60 ± 2	350	1200	740	1082
			2920	10	65	60 ± 2	350	1200	740	1082
NK	22	30	2940	07	135	65~60+2	520	1400	890	1170
			2940	08	129	65~60+2	520	1400	890	1170
			2940	10	107	65~60+2	520	1400	890	1170
NK	29	40	2940	07	172	65~60+2	700	1600	1037	1280
			2940	08	164	70~72+2	700	1600	1037	1280
			2940	10	150	70~72+2	700	1600	1037	1280
NK	37	50	2950	07	228	70~72+2	750	1600	1037	1280
			2950	08	222	70~72+2	750	1600	1037	1280
			2950	10	200	70~72+2	750	1600	1037	1280
NK	44	60	2950	07	303	70~72+2	825	1600	1037	1280
			2950	08	286	70~72+2	825	1600	1037	1280
			2950	10	268	70~72+2	825	1600	1037	1280
NK	55	75	2960	07	375	70~72+2	1130	1900	1250	1600
			2960	08	357	70~72+2	1130	1900	1250	1600
			2960	10	303	70~72+2	1130	1900	1250	1600
NK	75	100	2960	07	471	70~72+2	1230	1900	1250	1600
			2960	08	464	70~72+2	1230	1900	1250	1600
			2960	10	389	70~72+2	1230	1900	1250	1600

LOW PRESSURE COMPRESSOR

SINGLE STAGE AIR COMPRESSOR

LOW PRESSURE AIR COMPRESSOR PRESSURE UP TO : 125 PSIG								
MODEL	MOTOR HP	COMP. RPM	PD CFM	FAD CFM	MAX. PRESSURE		NO. OF CYL.	AIR RECEIVER (LTR)
					Kg./CM^{2}G	Psig		
NK - S1	1	750	5.15	3.76	8.75	125	1	100
NK - S2	2	750	10.31	7.52	8.75	125	2	100
NK - S2	3	900	12.36	9.06	8.75	125	3	100
NK - S3	3	660	14.85	10.7	5.5	80	3	150
NK - S5	5	866	34.6	22.2	5.5	80	3	200
NK - S10	10	800	52.8	39.1	5.5	80	3	300

APPLICATION:

Chemical Industries : Filter Press & Liquid Transfer
Powder Coating Industries
Spray Painting

TWO STAGE AIR COMPRESSOR

APPLICATION:

Textile Industries
- Pneumatic Operations In Spinning,
- Weaving & Processing Industries

Pharmaceutical Industries
- Blister Pack Machines & Tablet,
- Capsule Coating

Dairy Industries
- FFS Machines

Automobile Industries
- Automobile Workshop,
- Cold & Hot Type Remoulding Machines

Plastic Industries
- Blow & Injection Molding Machines

Engineering Industries
- Cleaning & Pneumatic Operation,
- Sand Blasting Machine

Chemical Industries
- Spray dryers & Pneumatic Diaphram Operated Pumps

LOW PRESSURE AIR COMPRESSOR PRESSURE UP TO : 175 PSIG								
MODEL	MOTOR HP	COMP. RPM	PD CFM	FAD CFM	MAX. PRESSURE		NO. OF CYL.	AIR RECEIVER (LTR)
					Kg./CM^{2}G	Psig		
NK - 34	2	660	7.42	5.63	12.3	175	2	100
NK - 34	3	866	9.74	6.93	12.3	175	2	150
NK - 2340	3	1000	11.25	8.65	12.3	175	2	150
NK - 42	5	866	17.3	13.02	12.3	175	2	200/250
NK - 2475	5	1100	17.3	13.99	12.3	175	2	250/300
NK - 53	7.5	660	26.25	19.7	12.3	175	2	250/300
NK - 2600	10	900	36	28.5	12.3	175	2	300/500
NK - 2545	10	950	37.8	30	12.3	175	2	300/500
NK - 7T	12.5	800	44	34.14	12.3	175	2	300/500
GA - 7T	15	900	49.5	37.06	12.3	175	2	300/500
NK - 15T	15	750	68.2	49.83	12.3	175	3	500
NK - 15T	20	900	81.77	59.8	12.3	175	3	500
NK - 20T	20	750	82.45	70	12.3	175	3	500
NK - 20T	25	950	101.4	80	12.3	175	3	500
NK - 20T	30	1100	121.03	93.2	12.3	175	3	500

SCREW AIR COMPRESSOR

COOLER

1. The heat exchanger uses high-quality raw materials and a unique internal channel design, which increases the heat exchange area and can e ectively dissipate heat for the air compressor.
2. The inner wall of the heat exchanger is treated with corrosion protection to increase the service life of the heat exchanger and increase the heat transfer e ect.
3. The radiator has passed the strict factory test, and the quality is reliable, which e ectively prevents the high temperature of the air compressor and increases the service life of the machine.

FAN

1. The fan uses a large fan design to e ectively enhance the fan's heat dissipation e ect.The motor adopts a special internal design to adapt to harsh working conditions.
2. The fan motor adopts special winding and high protection grade design to adapt to harsh working conditions.
3. The fan is controlled by the controller to realize the automatic start and stop function, which e ectively maintains the normal working temperature of the air compressor lubricant.

AIR-END

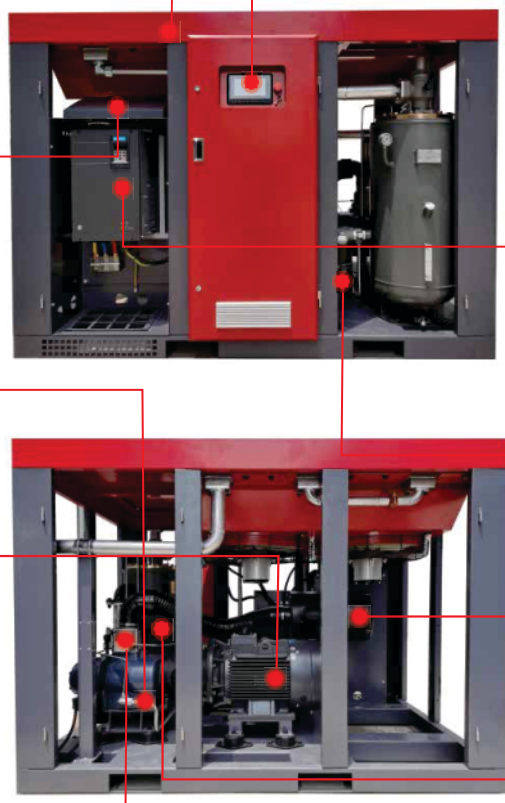
1: Adopts the international top-level third-generation asymmetric wire twin-screw air end, adheres to the exquisite manufacturing process, adopts the peak high e ciency low-pressure, high-e ciency tooth shape and the axial air inlet design.
2. Optimized flow channel design, with a large rotor, low speed and high e ciency. Increased energy e ciency by 5% -15% compared to the second generation.
3. Uses Swedish SKF heavy-duty bearings, double-lip lip shaft seal, durable and reliable. The bearing design life is 80,000-100,000 hours and the air end design life is about 200,000 hours.

MOTOR

1. The motor uses high-performance motors of well-known brands. Permanent magnet synchronous motors (PM motors) use high-performance NdFeB permanentmagnets which will not lose magnetism under 200 ° and its service life reaches as long as 15 years.
2. The stator coil uses the frequency converter special halo proof enameled wire, theinsulation is outstanding and the service life is longer.
3. The motor has the function of temperature protection. It also has awide range of motor speed regulation, high precision and wide rangeof volume regulation. The reliability is significantly improved with small size, low noise and large excess current.
4. Protection grade IP55, insulation grade F, e ectively protects the motor and increases the service life of the motor, the e ciency is 5%-7% higher than similar products.

INTAKE VALVE

1. Intake valve is the core component to control the air intake of the air compressor.
2. Adopting the world famous brand air intake valve, it can automatically adjust theair volume by 0-100% according to the requirement of the system air quantity. It promises small pressure loss, stable action and long life consequently reduced operating costs.



CONTROLLER

1. Adopts PLC multilanguage control system, beautiful and intuitive interface, easy to operate function, operators can quickly and easily adjust the compressor.
2. 14 protection functions such as overload protection, short circuit protection, reverse protection, low temperature protection, high voltage protection, etc. to fully protect the unit.
3. The advanced microcomputer control drive system realizes intelligent control, air volume variable speed control, automatic adjustment of load start and soft start. Intelligent dynamic control, dynamic display of the working status of each component of the compressor, visual pressure, temperature, current working curve, etc.
4. Large memory and equipped with printer interface; It can use computer remote monitoring or multiple linkage control between air compressors.

INVERTER

1. The standard is equipped with high frequency reactor, e ectively reducing the frequency converter and the external magnetic field dry reactance.
2. Reliably reduces peak current when it is started, realizes stable starting.
3. With high-performance current vector technology, it can easily drive induction motors.
4. High performance, high quality and high power density design, as well as significant improvements in usability, maintainability, environmental protection, installation space, and design standards, can further optimize the user experience.
5. Independent air duct design, resistances to all kinds of severe environmental pollution.
6. Rapidly track the change of pressure and control pressure fluctuation within ±0.01Mpa,optimal power is used to accurately provide necessary air.

OIL FILTER

1. Adopts high-density filter material, the surface is treated with nano-electroplating.
2. The filter element has uniform pore size, small filter resistance, large flux, strong interception ability and long service life.
3. High filtration accuracy e ectively filters impurities in lubricating oil, prolongs the service life of the equipment.

AIR FILTER

Dopting a design with high dust holding capacity and low flow resistance, which can filter out tiny fixed particlesin the air. The dust removal e ect can reach 99.5%, ensuring the normal operation of the components of the system and extending the service life.

AIR-OIL SEPARATOR CORE

The high-quality air-oil separation element and gas-liquid filter element are equipped with advanced three-stage air-oil separation to keep the oil content below 3ppm to ensure the output of high-quality compressed air.

BOOSTER AIR COMPRESSOR

BOOSTER

Booster Compressor delivers high-pressure air, saving about 35% power, compared to conventional high-pressure compressors.

FEATURES:

1. PowerSaving upto 37%.
2. Canopy system for low noise level.
3. Complete water cooled intercooling and aftercooling systems with moisture separator.
4. ASSC & CSC systems combined in a single starter panel.
5. Electric panel board with Pr. and Temp. indication, electronic pressure switches with safety interlocks.
6. Booster in built pressure and water pressure controlling system.
7. Flow regulator between LP & HP compressor.

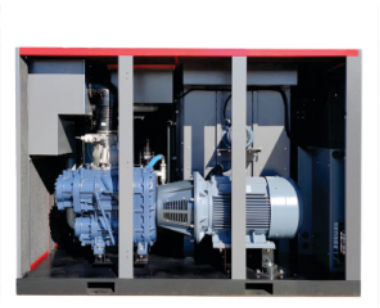
MODEL	MOTOR HP	FAD / CFM	MAXIMUN PRESSURE		NO. OF CYLINDER	AIR RECEIVER (LTR)
			Kg./CM^{2}G	Psig		
NK-12.5	32.5	72	35	500	2	500
NK-15	45	100	35	500	3	500
NK-20	60	150	35	500	3	500
NK-25	75	200	35	500	3	500

Our Product

FIXED SPEED SCREW AIR COMPRESSOR

PM VSD SCREW AIR COMPRESSOR

AIR DRYER



TWO STAGE SCREW AIR COMPRESSOR

AIR RECEIVER TANK

SCREW COMPRESSOR SPARE PARTS