

WORLD CLASS · EFFICIENCY · RELIABILITY

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SINGLE STAGE ROTARY



- ▶ WORLD CLASS
- ▶ EFFICIENT
- ▶ RELIABLE
- ▶ SILENT



Kaishan Compressor India

WORLD CLASS ENGINEERING

DIGITAL CONTROL PANEL

- Monitors & Controls Key Compressor Functions
- Protects compressor in the event of a fault.
 - Provides required service alerts.
 - Sequencing of up to 16 compressors.
 - External monitoring via RS 485 interface.
 - Star-Delta starter standard.



AXIAL COOLING FANS

- Increased Cooling Efficiency
- Higher static pressure allows for heat recovery ducting.
 - Even air flow across the cooler surface.



PREMIUM DISCHARGE BEARINGS

- Longer Bearing Life / Quieter Operation
- The "SKK" series belt drive air ends use two discharge bearings to absorb radial and axial loads.
 - Longer bearing life under all operating conditions.
 - Increased load carrying capacity.

DIRECT FLOW INLET VALVE

- Minimum Pressure Drop / Increased Output
- Lower pressure drop through the intake, increasing output and saving energy.



'SKK' SERIES AIREND

- Maximum Output with Less Energy Usage
- Asymmetric 5 / 6 rotor profile with 100% SKF bearings.
 - KAPP Grinder rotor technology for tighter clearances and improved lubrication.
 - Precision machined bell housing to maintain coupling alignment.

BELT GUARD

- All rotating parts protected with a fully enclosed belt guard as standard.

AIR INTAKE FILTERS

- Increased Filtration Efficiency
- Full airflow, low restriction, nanofiber technology.
 - Deep bed media ensures excellent dust capture.
 - Increased free air delivery for further savings in energy and running costs.



SAFETY AND THE ENVIRONMENT

- Reduced OSHA Risk and Injury
- The entire Kaishan range of compressors includes full safety features such as rotating component guards and shrouded electrical components.

EFFICIENT OIL SEPARATION

- 10-20 HP use spin on separator elements for ease of service.
- 25-50 HP use traditional tank inserted separator elements.
- Residual oil carryover limited to 3 ppm.

SINGLE PASS OIL & AFTER COOLERS

- Long Life / Easily Accessible
- Minimize thermal stress.
 - Cooler running temperatures 122°F (50°C) ambient.
 - Low oil carryover increases bearing life.
 - Low cooling air velocity reduces dust build up.

INDUSTRIAL GRADE ELECTRICALS

- Increased Reliability / Lower Servicing Cost
- Outstanding reliability.
 - Excellent component life.
 - Worldwide support.
 - Standard electrical parts available locally.

HIGH EFFICIENCY ELECTRIC MOTORS

- Long Operating Life / Lower Power Use
- Kaishan Compressor uses high efficiency motors, which comply with all international standards.
 - TEFC (IP 55) standard, IEC frame.
 - Class F insulation.
 - Premium, efficient motors.



COMPRESSOR FLUID & COOLING SYSTEM

A custom blended PAO synthetic hydro-carbon fluid provides:

- Premium lubrication at high and low temperature.
- Reduced volatility properties.
- Long life lubricant formulated with rust and oxidation inhibitors.

6000 HOURS FLUID PRE-FILLED WITH STANDARD UNITS

- Superior Cooling system design for environments with high ambient temperature and humidity levels.



KRSB SERIES SPECIFICATIONS						
Model	Pressure Bar	Flow cfm	Power kW	Connection inch	Dimension mm	Weight Kg
KRSB-4	8	16	4	G3/4	830 X 530 X 890	200
	10	15				
	13	12				
KRSB-5	8	24	5.5	G3/4	830 X 530 X 890	215
	10	20				
	13	17				
KRSB-7	8	39	7.5	G3/4	1020 X 660 X 1050	370
	10	33				
	13	27				
KRSB-11	8	57	11	G3/4	1020 X 660 X 1050	450
	10	50				
	13	42				
KRSB-15	8	79	15	G1	1100 X 730 X 1200	475
	10	74				
	13	60				
KRSB-18	8	99	18.5	G1	1100 X 730 X 1200	490
	10	88				
	13	78				
KRSB-22	8	113	22	G1	1100 X 730 X 1200	525
	10	99				
	13	85				

Performance test based on ISO 1217.



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