

WORLD CLASS · EFFICIENCY · RELIABILITY

k|r|s|t

SINGLE STAGE ROTARY COMPRESSOR



Engineering the Future

www.kaishanmea.com

MAM-200 DIGITAL CONTROL PANEL

Monitors & Controls Key Compressor Functions

- Protects compressor in the event of a fault
- Provides service required alerts
- Sequencing of up to 16 compressors
- External monitoring via RS 485 interface
- WYE Delta starter (10-50 HP) standard to reduce in-rush current



OPTIONAL 120 GALLON AIR RECEIVER

Reduced load cycles to minimise energy consumption

- Reduced control / system wear and tear
- Peak demand coverage
- Increased condensate removal
- Design approved to ASME Section VIII



HIGH EFFICIENCY ELECTRIC MOTORS

Long Operating Life / Lower Power Use

- TEFC (IP 54) standard, IEC frame
- Class F insulation
- IE3 premium efficiency motors

OPTIONAL INTEGRATED DRYER & AIR FILTER

- Minimises footprint
- 0.01 micron coalescing dryer pre-filter
- Auto condensate drain
- 38°F-42°F pressure dewpoint

INTEGRATED AFTER COOLER & COOLING FANS

Increased Cooling Efficiency

- Efficient cooling for high ambient temperatures
- 14°F (10°C) approach temperature
- Dedicated motor for cooling fan

LARGE CYCLONIC AIR INTAKE FILTRATION

- Minimal pressure drop for increased efficiency
- High level contaminant removal
- Long element life
- Outstanding protection for your investment

316 STAINLESS STEEL CONTROL TUBING

Long Tubing Life / Reduced Downtime

- Increased reliability due to corrosion free material
- Material such as nylon, copper or mild steel will fail in time causing downtime

**5 YEAR
AIREND
WARRANTY**



SPIN ON AIR/OIL SEPARATOR ELEMENT (5-30 HP)

- Ease of maintenance
- Low pressure drop
- 3 PPM carryover

AUTOMATIC BELT TENSIONING

- Longer belt life
- Spring provides ideal tension
- No belt slippage



KRST SERIES AVAILABLE IN FIXED SPEED AND VSD

MODEL	POWER KW	MAXIMUM DISCHARGE PRESSURE			SOUND dBA	WEIGHT kg	DIMENSIONS (LxWxH)
		8 bar	10 bar	13 bar			
LX5	5.5	0.70	0.60	0.52	71	360	980x760x1130
LX7	7.5	1	0.9	0.8	71	450	1060x800x1230
LX11	11	1.82	1.36	1.32	72	450	1060x800x1230
LX15	15	2.40	1.93	1.71	72	550	1060x800x1230
LX18	18.5	3.3	2.53	-	73	510	1370x900x1110
LX22	22	3.8	3.3	2.42	73	540	1370x900x1110

'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 rotor housing to optimise performance



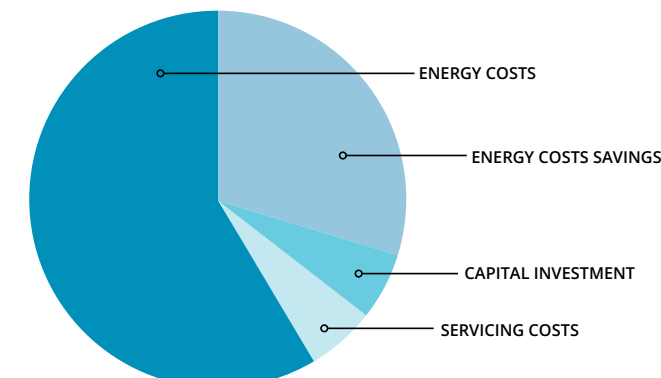
PREMIUM DISCHARGE BEARINGS

Longer Bearing Life / Quieter Operation

- The "SKK" series air ends use SKF bearings to absorb radial and axial loads
- Longer bearing life under all operating conditions
- Increased load carrying capacity

KRST SERIES VARIABLE SPEED DRIVE OPTION DELIVERS MAJOR ENERGY SAVINGS

KRST VSD combines a robust power platform with a state-of-the-art control scheme. The drive provides a soft start and the ability to operate efficiently through the compressor's capacity range by matching flow to demand, while maintaining a high level of pressure control. By eliminating wasted energy, cost savings as high as 40% are possible. With this level of savings, the additional capital cost of the variable speed drive can be recovered in less than one year.



KRST Series VSD Rotary Screw Compressor operating at 70% load compared to a fixed speed model.



KRST Variable Speed Drive



**MADE IN
UNITED STATES
OF AMERICA
& CHINA**

The third-largest global compressed air manufacturer in the world has planted roots in Loxley, Alabama. At Kaishan, we are proud of our new North American headquarters and have invested \$15 million in the construction of a 65,000 sq ft ultra-modern manufacturing facility.

Kaishan internally manufactures 85% of the components of the compressor, from stamping sheet metal for the enclosures to pouring castings for the airend in our own foundry. This allows us the ability to provide more cost-effective and higher quality products to our customers resulting in the sale of 70,000 compressors annually in a sustainable, reliable, and efficient manner.



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