

WORLD CLASS · EFFICIENCY · RELIABILITY

# k|r|s|b

SINGLE STAGE ROTARY



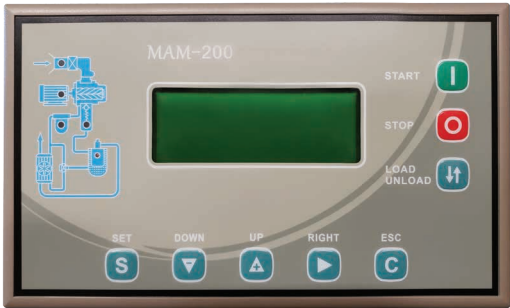
Kaishan Compressor USA



**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 minimize 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

**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

**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

**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

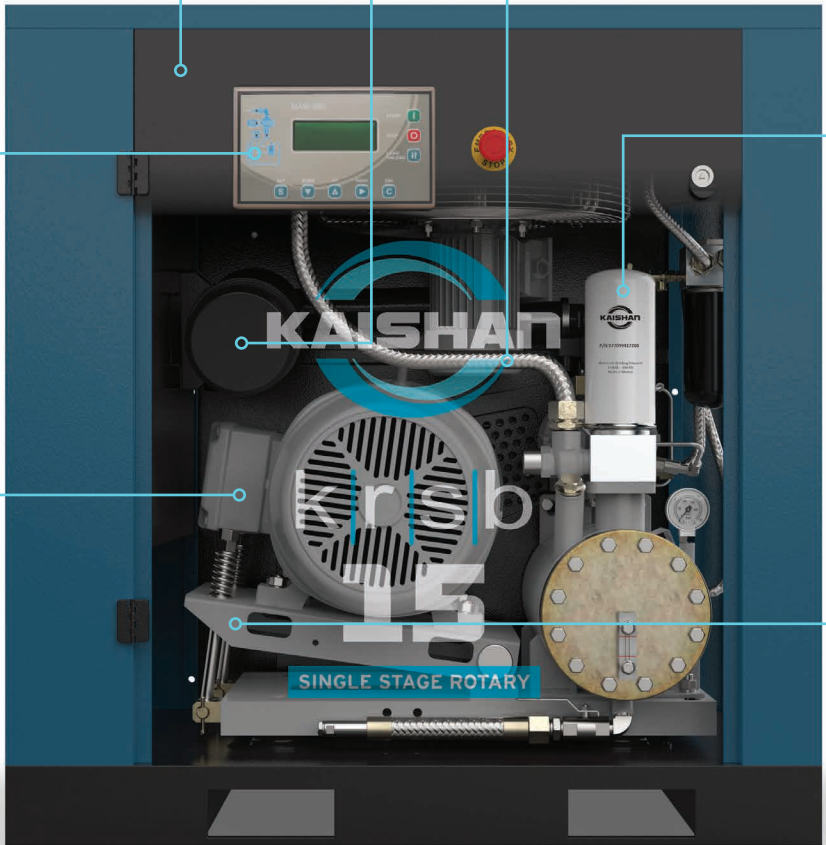
**'SKK' SERIES AIREND**

**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 optimize performance

**OPTIONAL INTEGRATED DRYER & AIR FILTER**

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



The third-largest global compressed air manufacturer in the world has planted roots in Loxley, Alabama. At Kaishan, we are proud of our North American headquarters and have invested over \$26 million in the construction of a 120,000 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 global sales of 70,000 compressors annually in a sustainable, reliable, and efficient manner.

## PERFORMANCE

MODEL	POWER		FLOW (CFM / M3/M)								SOUND dba
	HP	KW	115 psi	8 bar	125 psi	8.6 bar	150 psi	10 bar	175 psi	12 bar	
KRSB-5	5	3.7	17	0.47	16	0.46	14	0.39	12	0.33	70
KRSB-7.5	7.5	5.5	25	0.71	24	0.67	21	0.59	16	0.46	70
KRSB-10	10	7.5	40	1.13	37	1.05	33	0.94	26	0.74	71
KRSB-15	15	11	62	1.75	59	1.68	52	1.46	41	1.15	71
KRSB-20	20	15	90	2.54	80	2.28	70	1.99	57	1.61	72
KRSB-25	25	18.5	114	3.23	107	3.04	89	2.51	61	1.73	73
KRSB-30	30	22	129	3.64	120	3.40	101	2.85	74	2.10	73
KRSB-40	40	30	187	5.30	176	4.98	166	4.70	141	3.99	74
KRSB-50	50	37	223	6.31	212	6.00	190	5.38	177	5.01	75

## PACKAGE DIMENSIONS & WEIGHT

MODEL	BASE MOUNTED				TANK MOUNTED				TANK MOUNTED W/ DRYER			
	WEIGHT		DIMENSIONS (LxWxH)		WEIGHT		DIMENSIONS (LxWxH)		WEIGHT		DIMENSIONS (LxWxH)	
	lbs	kgs	in	mm	lbs	kgs	in	mm	lbs	kgs	in	mm
KRSB-5	485	220	33x21x37	838x533x940	705	320	68x24x65	1727x610x1651	755	343	71x24x65	1803x610x1651
KRSB-7.5	507	230	33x21x37	838x533x940	727	330	68x24x65	1727x610x1651	777	353	71x24x65	1803x610x1651
KRSB-10	774	351	40x26x42	1016x660x1067	994	451	68x28x71	1727x711x1803	1054	479	71x28x71	1803x711x1803
KRSB-15	836	380	40x26x42	1016x660x1067	1056	479	68x28x71	1727x711x1803	1116	507	71x28x71	1803x711x1803
KRSB-20	1003	455	44x29x48	1118x737x1219	1223	555	68x31x77	1727x787x1956	1293	587	71x31x77	1803x787x1956
KRSB-25	1102	500	44x29x48	1118x737x1219	1322	600	68x31x77	1727x787x1956	1402	637	71x31x77	1803x787x1956
KRSB-30	1213	551	44x29x48	1118x737x1219	1433	651	68x31x77	1727x787x1956	1533	696	75x31x77	1905x787x1956
KRSB-40	2296	1041	55x43x66	1397x1092x1676	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
KRSB-50	2315	1051	55x43x66	1397x1092x1676	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Performance test based on ISO 1217.



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