



3KS SERIES MADE IN AMERICA



RELIABILITY, INNOVATION,
EXPERIENCE

OIL-FREE MEDIUM PRESSURE AIR COMPRESSOR

RIX Industries' proven state-of-the-art, oil-free design offers unprecedented value, reliability, and performance, delivering up to 85 scfm flow rate and 650 psig discharge pressure. Environmental features include completely oil free compression with high reliability and minimum maintenance. The 3KS series uses positive displacement reciprocating piston technology in an inline, three-throw, compact vertical configuration. The compressed air is totally oil-free because oil is never allowed in the compression cylinders. Slow speed and moderate compression ratios with ample water cooling provide excellent reliability and longevity of components.

RIX MODEL: 3KS3B-104 OIL-FREE MEDIUM PRESSURE AIR COMPRESSOR

OIL-FREE COMPRESSOR	RIX Model 3KS3B-104, Medium Pressure, Oil-Free, Reciprocating Type, Water-Cooled, 81 SCFM, 615 PSIG, Electric Motor Drive.
COMPRESSOR DRIVE	Belt
ELECTRIC POWER	440 VAC, 3Ø, 60 Hz
ELECTRIC MOTOR	50 hp, 440V, 3Ø, 60Hz, 1800 rpm, 1.15 SF, FLA 60A, Enclosed Fan Cooled
PACKAGE	Marine Skid Mounted
AMBIENT AIR TEMPERATURE	-13°F to 140°F (-25°C to 60°C)
FLOW RATE	85 SCFM (134 Nm ³ /h)
DISCHARGE PRESSURE	250 to 650 PSIG (17.2 to 44.8 barg)
CONTROL SYSTEM	PLC based compressor management system with color touchscreen display.
INSTRUMENTATION	Full-range monitoring of all compressor variables with adjustable set points
COOLING TYPE	Water cooled
Cooling Water Inlet Pressure	20 to 145 psig (1.38 to 10 barg)
Cooling Water Inlet Temperature	28°F to 90°F (-2.2°C to 32°C)
Cooling Water Flow Rate	40 gpm (150 l/pm)
OVERALL DIMENSIONS (est.):	65" W x 52" L x 55" H (1650 mm W x 1320 mm L x 1400 mm H)
OVERALL DRY WEIGHT (est.):	2,800 lbs. (1270 kg)

AVAILABLE MIL-SPEC QUALIFICATIONS

- MIL-S-901, SHOCK TEST REQUIREMENTS FOR SHIPBOARD MACHINERY, EQUIPMENT AND SYSTEMS
- MIL-STD-167-1, MECHANICAL VIBRATIONS OF SHIPBOARD EQUIPMENT
- MIL-STD-461, REQUIREMENTS FOR CONTROL OF ELECTROMAGNETIC INTERFACE EMISSIONS AND SUSCEPTIBILITY
- MIL SPEC TECHNICAL MANUAL MIL PROVISIONING TECHNICAL DOCUMENTATION AND SPARES LIST
- EOSS/MRC'S/SAFETY ASSESSMENT/HUMAN ENGINEERING