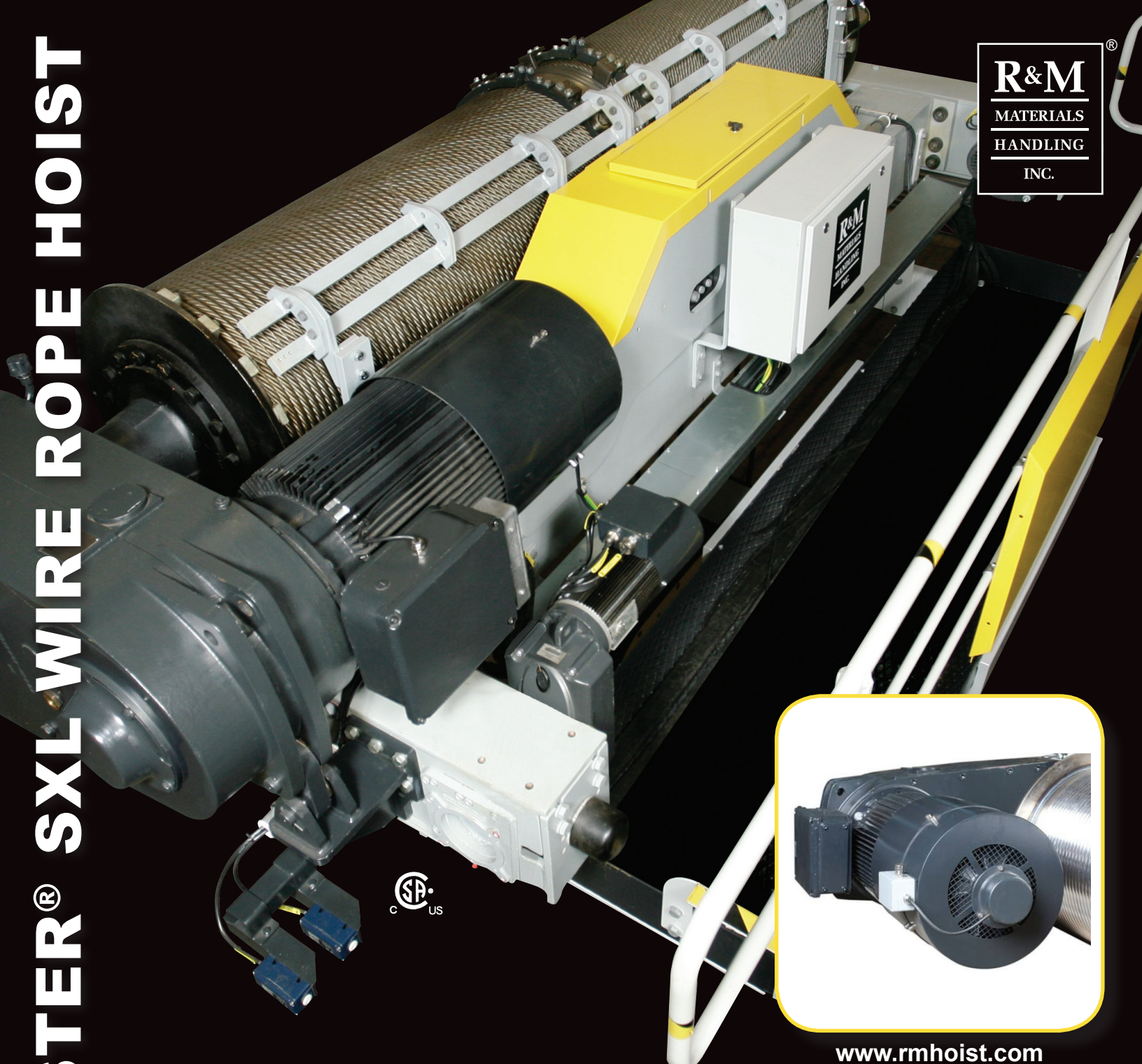


SPACEMASTER® SXL WIRE ROPE HOIST



www.rmhoist.com



- 10 - 250 Ton capacities
- CMAA/ASME or FEM/ISO duty ratings
- CSA certification
- Compact double girder trolley with double reeving for true vertical lift
- Dual trolley drives
- All motors with thermal protection and D.C. disk brakes
- HoistMonitor® featuring overload protection and condition monitoring
- Rope overwrap protection
- Rotary limit switch and block operated upper limit switches
- Long height of lifts and fast hoist speeds available
- Inverter control for all motions
- Hoist inverter with closed loop vector control
- Trolley travel limit switch

SXL WIRE ROPE HOIST INNOVATIVE FEATURES AND OPTIONS

Hoist Motor with D.C. Disk Brake

- Inverter-duty with 600 ppr encoder
- Class H insulation with Class F temp. rise
- Motor thermal protection - Bi-metal switch
- IP55 protection
- Fan or blower cooled CSA label on motor nameplate



D.C. Disk Brake

- Minimum 200% braking torque
- Brake opening supervision
- IP66 coil protection



Hoist Reducer

Three step helical gearing operation in oil bath with combination of deep grooved ball, spherical roller and cylindrical roller bearings. Machined steel gearing, carburized and ground to tolerance.

Geared Coupling

The hoist gearbox is connected to the drum by a flexible two-stage geared coupling. The coupling type allows dynamic bending and movement of the drum, without the common fatigue failures.



Rope Drum

- Rope overwrap protection
- Right hand and left hand grooving for true vertical lift
- Exceptional rope diameter to drum diameter ratio
- Rugged coupling to connect drum to gear reducer
- Drum flanges on both ends of rope drum extend past the wire ropes
- Idler drum end: supported on self-aligning spherical bearing

Safe Operating

- Trolley travel limit

Hoist Trolley VFD Control

- Closed loop vector control
 - » STD Closed loop vector control
- Micro-speed option
- Inching option
- Extended speed range option
 - » Faster hoisting speeds at lighter loads
 - » Faster through put at lighter loads
 - » Potential to eliminate need for auxiliary hoist



Trolley Inverter - Open Loop

Inverter Based Intelligent Features Options

- Inching control
- Micro-speed control
- Load floating
- Shock load prevention
- Anti-sway
 - » Sway control option (for trolley and bridge)
- Hoisting synchronization
- Extended speed range (ESR)

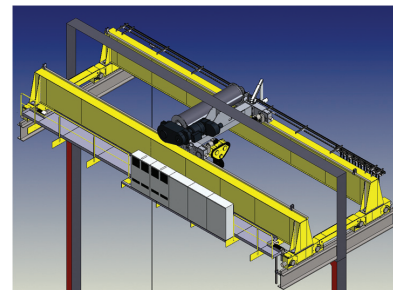
HoistMonitor®

- Overload supervision
- Sudden load increase supervision
- SWP hour counter
- Motor function monitoring
- Supply voltage phase supervision



Environment

- Ambient temperature range: 41°F to 105°F [5° to 40°C]
- Altitude up to 3300 ft [100m] above sea level
- Relative humidity < 90%
- Normal dust conditions



Crane Components Package Features:

Bridge drives, end trucks, bridge controls, electrification package, two-step travel limit switch, wide range of crane additional features, Moveable pushbutton pendant or radio control with backup pendant. Service platform optional.

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