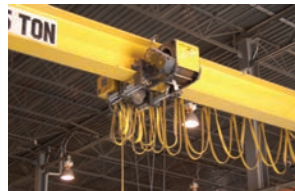




Ace Crane
800-562-9840
sales@acecrane.com

SPACEMASTER® *SX* WIRE ROPE HOISTS



The Spacemaster® SX represents an innovative design that includes a large drum diameter giving Spacemaster® SX hoists the lowest headroom and best wheel loads in the industry while providing near true vertical lift with single reeved hoists, and both exceptional hook approaches and heights of lift.

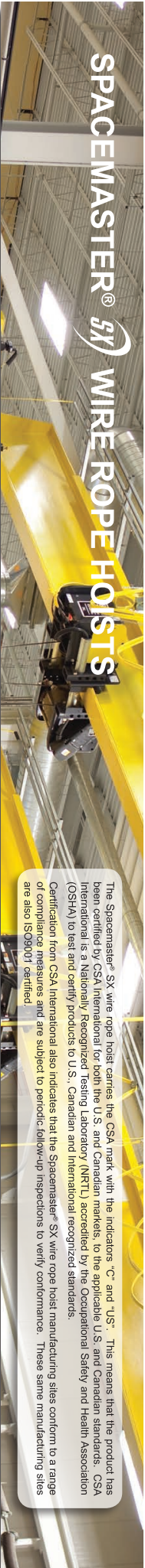
Standard configurations include normal headroom, low headroom and double girder trolley designs. Hoists in short ton ratings (ASME) or metric ratings (FEM) meet a wide variety of application requirements:

- HMI Certified
- 1/2 - 80 ton (500 - 80,000 kg) capacities
- Lifts starting at 13ft (4m) to 320ft (100m) and beyond
- Lifting speed range 10/1.5 to 62/10 fpm (3/0.5 - 19/3 m/min)
- 208, 230, 460, 575/3/60 or 380/3/50 power supply
- Single-reeved or double-reeved
- Two-component epoxy paint
- CSA c/us rating for electrical enclosures
- Hoisting electrical enclosures with NEMA 3 rating
- Designed to meet and exceed either ASME H3 or ASME H4 duty (FEM 1Am, 2m, or 3m) ratings

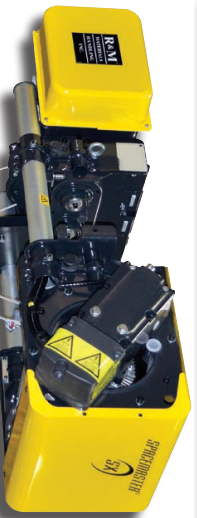
Quality assurance with all R&M equipment is very important to us. The R&M production facility is ISO9001 certified and all equipment is tested locally prior to shipment. Units are shipped with a test certificate, owner's manual and a parts list. The Spacemaster® SX unit is a CSA listed product.



SPACEMASTER® SX WIRE ROPE HOISTS



The Spacemaster® SX wire rope hoist carries the CSA mark with the indicators "C" and "US". This means that the product has been certified by CSA International for both the U.S. and Canadian markets to the applicable U.S. and Canadian Standards. CSA International is a Nationally Recognized Testing Laboratory (NRTL) accredited by the Occupational Safety and Health Association (OSHA) to test and certify products to U.S., Canadian and International recognized standards. Certification from CSA International also indicates that the Spacemaster® SX wire rope hoist manufacturing sites conform to a range of compliance measures and are subject to periodic follow-up inspections to verify conformance. These same manufacturing sites are also ISO9001 certified.



- Low Headroom Trolley:**
- The best solution for single girder cranes
 - Its compact design provides maximum space-efficiency



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- Normal Headroom Trolley:**
- An ideal selection for monorails and jib crane applications
 - Hardened wheels for patented track applications are also available



- Double Girder Trolley:**
- Superior clearance and headroom for double girder crane applications



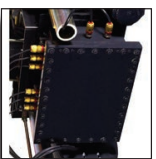
**Special Applications
Main/Aux Trolley Hoists**



- High Capacity Hoists:**
- Main hoist / auxiliary hoist on a common trolley
 - Double girder under running trolley
 - Motorized bottom block
 - Specialized controls
 - Double girder hoist rotated 90°
 - Outdoor use / dusty environment
 - High altitude
 - Special trolley rail gauges
 - Low connection double girder trolleys



- Spacemaster® EX Hazardous Location Hoists:**
- Two speed hoist with 6:1 ratio
 - Hoist motor is class F insulated 60% effective duty and thermally protected
 - Trolley motor with compact disc brake
 - Rope guide with spring loaded pressure roller
 - Approx. 40:1 drum to rope diameter ratio
 - NEMA 4, 7 rated control panel
 - Two speed trolley with 4:1 ratio
 - Push button assembly and pendant
 - 115 volt control transformer
 - Sealed hoist brake
 - Mainline contactor
 - Trolley bumpers
 - Mechanical overload
 - Class 1 Division 2 Groups C & D
 - ATEX rated hoists available



**Explosion Proof
Enclosure**

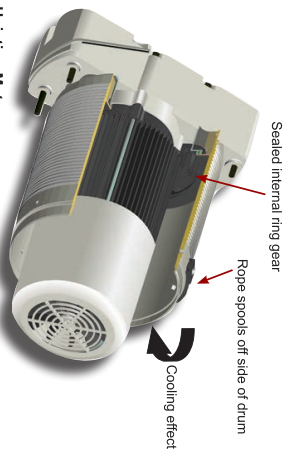


- Optional:**
- RSN Hook

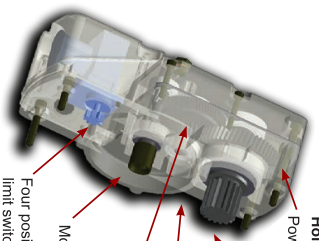
**Spacemaster® SX/RX
Quick Ship Program
Call 1-800-955-9967 for details.**

SPACEMASTER® SX WIRE ROPE HOISTS

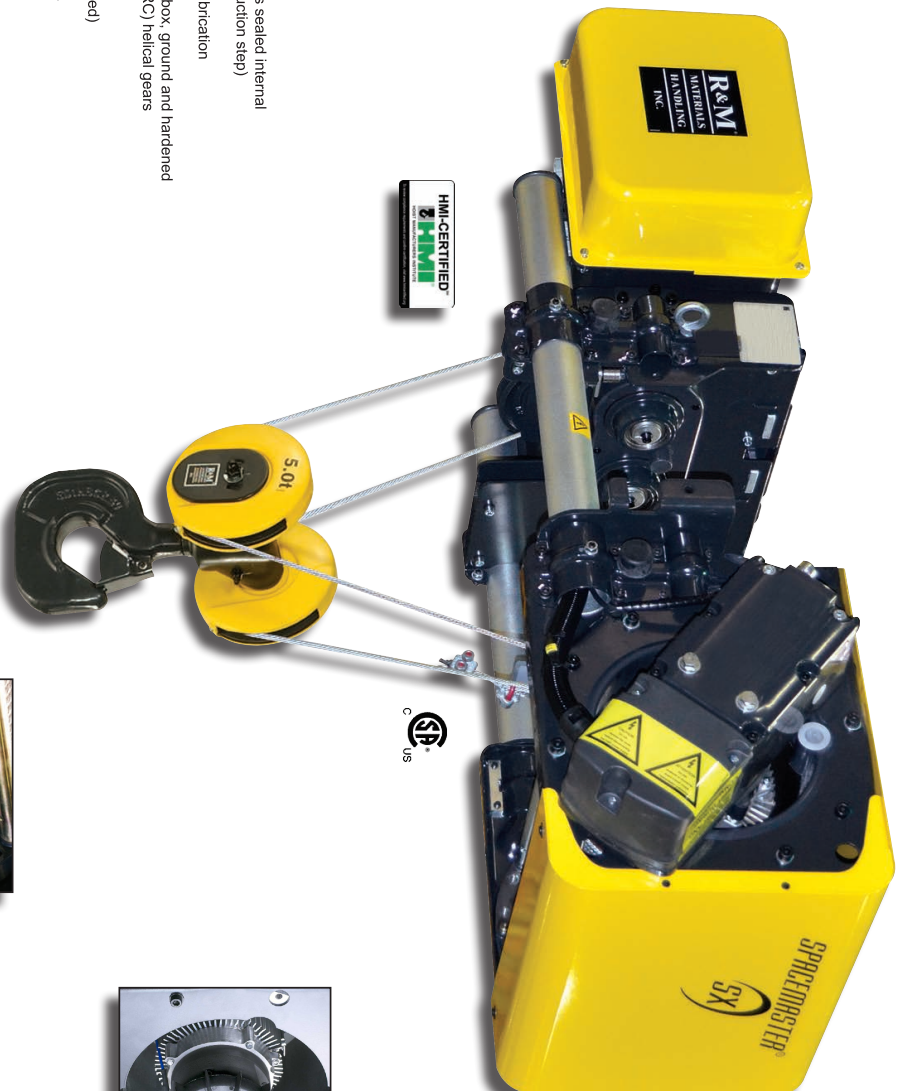
INNOVATIVE STANDARD FEATURES



- Hoisting Motor:**
- Dual-speed hoisting with 6:1 ratio
 - Class F insulation and IP55 protection class
 - Heavy duty type 60% ED rating (exceeds 30 min. rating)
 - Optimum cooling with fan and directed air flow
 - Thermistors as standard (cut off at 170°C)



- Hoist Gearbox:**
- Powder coat epoxy paint
 - Output pinion drives sealed internal drum gear (3rd reduction step)
 - Semi-fluid grease lubrication
 - Double reduction gearbox, ground and hardened gears (AGMA 11) (60RC) helical gears
 - Motor shaft coupling (splined)
 - Four position geared upper-lower limit switch



- Trolley Drive:**
- Long life adjustment free compact brake
 - Minimized maintenance with grease gearbox
 - AGMA 11 carbonized and ground helical gearing
 - Inverter duty motor with IP55 protection
 - Splined fit direct drive sealed travel system



- Hoisting Brake:**
- 200% torque DC disk type
 - Lining designed for hoist lifetime, over 1 million operations
 - Sealed dust-proof
 - Heavy duty
 - Easy to check air gap



- Wire Rope Drum and Guide:**
- Optimized dimensions - Excellent hook approaches
 - Longer lifetime - Minimum drum to rope ratio = 40:1
 - Minimal hook drift +/- 1/8" per ft of travel
 - Ductile iron rope guide
 - Minimal rope bending
 - Lower pressure on drum bearing
 - Galvanized wire rope



HoistMonitor®



HoistWatch

Strain gauge overload protection with HoistMonitor® or HoistWatch

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VALUE ADDED CRANE COMPONENTS

R&M's ControlMaster® Variable Frequency Drive Series offers more versatility, better performance and prolonged equipment life than industry-standard contactor motor controls

ControlMaster Aspire or ControlMaster Elite & A-motor inverter technology:

- Hoist speed is directly related to the load on the hook - improved safety with the right speed at the right time!
- Open loop control with speed supervision
- Quick delivery options available
- Digital, key pad interface
- Lower maintenance costs and energy usage

ControlMaster Elite & S-motor inverter technology:

- Extended Speed Range (ESR) for loads less than 40% - safely handle lighter loads with less cycle time!
- Closed loop vector control system with encoder
- Digital, key pad interface
- Quick Extended (Category 1.5) delivery options available

ControlMaster LDR designed for trolley or bridge traverse motion:

- Standard controls for trolley and bridge motions
- Five inverter sizes, from 3.4 amp to 33.8 amp
- Digital, key pad interface
- Multi-speed reference or infinitely variable reference

ControlMaster NXT for trolley traversing:

- Non-digital interface (dip switches)
- Multi-speed reference or infinitely variable reference



The HoistMonitor® & HoistWatch assist in the safe operation, maintenance and performance of the hoist and crane by constantly monitoring and recording selected functions.

The HoistMonitor is a standard feature for Spacemaster® SX6, SX7, and SX5 with a P6 motor or larger.

The HoistWatch is a standard feature for Spacemaster® SX2, SX3, SX4 and SX5 single hoist with a P5 motor or smaller.



PRQ Pendant Control



RaCon® III
Radio Control



GES/GEK
Bridge Drives



Top Running & Under Running
End Trucks

Your Distributor Contact Is:

Ace Crane
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