

Free Specification: Hoists to lift SCR Blocks for Power Plants

Shupper-Brickle Equipment is pleased to offer the following specification for a hoist used to pick up SCR blocks (selective catalytic reduction) for the purpose of cleaning emissions to meet requirements of the Clean Air Act.

We recommend the main monorail or drop zone "SCR hoist" be configured as follows:

- 1) Brand: Electrolift, low headroom model or approved equivalent of electric wire rope hoist
- 2) Capacity: 5000 lbs. or 6000 lbs.
- 3) Synthetic gearcase lube
- 4) Long lift: 80' to 90' from grade to the working level
- 5) True vertical lift: No hook or load drift.
- 6) A geared upper and lower limit, with a final upper limit switch.
- 7) Stainless steel rotation resistant wire rope.
- 8) An overload device, for the protection of equipment and operator.
- 9) Hoisting speed: 39/13 fpm, slow speed for delicate picking and placing, fast for time saving-long up and down lifts and lowers.
- 10) Use across the line starters for hoist, trolley, and mainline contactor. Avoid using VFD's outdoors, unless the control enclosure is climate controlled.
- 11) 60-minute duty TEFC hoisting motor and continuous duty trolley motor.
- 12) Weather proofing for outdoor use: NEMA 4 or 4X.
- 13) If the area is hazardous (I.E. Class 1, Groups C & D, Division II outdoors,) then the control enclosure should be NEMA 7/4X, with intrinsically safe pendant and limit switches.
- 14) Space heaters in motors and enclosures.
- 15) Drain/breathers in motors and enclosures.
- 16) A six-button pendant: Start/stop; up/down; forward/reverse.
- 17) Epoxy paint, with a topcoat of UV resistant polyurethane.
- 18) A motor driven trolley with a soft start and a motor brake.
- 19) A corrosion resistant festooned electrification system.
- 20) A fused disconnect, at the end of the monorail, within reach of the operator, for emergencies and for lockout.
- 21) A Shupper-Brickle "Hoist Shelter" parking area, for the five-year storage.

Since 1969, Shupper-Brickle Equipment has provided bridge cranes, hoists, and custom engineering.

Contact us for more information:

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Bridge Cranes & Hoists ▪ Sales, Service, & Parts

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