

**SUGGESTIONS FOR WRITING BID SPECS ON THE
Clarke MA50™ 15B
BATTERY POWERED AUTOMATIC SCRUBBER**

GENERAL	Machine shall be of the type generally described as an “automatic”. It shall wet scrub and vacuum in one pass. Machine shall operate at 12 V with two standard 33 amp hour AGM batteries. Shall be equipped with an onboard automatic battery charger.
PAD/BRUSH MOTOR	Shall be one, heavy-duty, permanent magnet DC motor rated at 1/3 hp (250 W).
VACUUM MOTOR	Shall be one – 0.33 hp. Vacuum shall have a minimum of 27 inches (690 mm H ₂ O) of sealed waterlift.
PROPELLING	Propulsion must be pad/brush assist.
CONSTRUCTION	Chassis and tanks shall be roto-molded polyethylene.
SOLUTION TANK	Shall be a minimum of 3.5 gallon (13.5 L) capacity. Must be constructed of linear high-density roto-molded polyethylene.
RECOVERY TANK	Shall have 3.5 gallon capacity. Tank must be constructed of linear high-density roto-molded polyethylene. Tank must be completely removable without tools for service.
BRUSH/PAD	Shall have one 15 inch brush to cover a 15 inch scrubbing swath. An optional pad driver shall be available. Brushes and pad holders shall be removable without tools.
BRUSH/PAD PRESSURE	Shall be 44.5 pounds of consistent pressure throughout the entire cleaning cycle.
SCRUB DECK	Scrub deck has an integrated parabolic squeegee.
BRUSH/PAD SPEED	Shall have a nominal speed of 150 rpm.
CONTROLS	<p>Shall be simple and intuitive. All controls shall be accessible while the machine is in the operating position.</p> <p>There shall be four buttons that allow a user to choose from four settings:</p> <ul style="list-style-type: none">• Power On/Off• Vacuum• Scrub• Solution Pump <p>All controls shall be illustrated symbolically (without the use of a specific language).</p> <p>There shall be a hand actuator on the handle to activate the scrub brush and solution flow.</p>

WHEELS	Rear: Shall have two 10 inch (25.4 cm) non-marking rubber wheels.
SQUEEGEE	Shall consist of one 20 inch fully integrated squeegee that is attached to the scrub deck. Squeegee must also be curved in such that allows for complete pick-up. Shall be removable without the use of tools and shall have geometry such that they can only be installed one way to assure simple and proper maintenance.
DIMENSIONS	Machine must have an adjustable handle that will allow the machine to not exceed 30 inches length; 20 inches width; 21.7 inches height (to the top of the folded handle). Handle adjustable.
WEIGHT	Shall be no more than 124 lb.
HANDLE	Shall be fully adjustable with locking position for height, ergonomically designed for comfortable operation.
APPROVALS	Shall meet or exceed CSA approval.
SOUND LEVEL	Shall be no more than 70 dB A at the operator's position.

The Machine Shall Be A *Clarke MA50™ 15B*.