

**SUGGESTIONS FOR WRITING BID SPECIFICATIONS ON THE  
Clarke CA30™ 17E  
CORD-ELECTRIC AUTOMATIC SCRUBBER**

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| <b>GENERAL</b>                | The machine shall be capable of scrubbing a 17 inch (43 cm) swath by means of one rotating power-driven brush, and of picking up the dirty water from this swath by means of a squeegee and a vacuum fan. The machine's forward traverse shall be assisted by the frictional pull of the rotational brush in contact with the floor which is driven by an electric motor powered by AC power supplied to the machine via an electrical cable connected to standard power from a wall receptacle. Tanks for storing scrubbing solution and recovered dirty water shall be carried on the machine. Machine controls shall be mounted in the control console within easy reach of the operator. |
| <b>AC POWER</b>               | The machine shall be powered by standard 110 V to 120 V, 60 Hz AC wall power. The power cable connecting the machine to any standard AC wall receptacle shall be 65 feet (20 m).   |
| <b>BRUSH/PAD DRIVE MOTORS</b> | The machine shall be equipped with a low-speed, high-torque, direct drive, AC motors for driving the brush. The brush must be driven through a gearbox. The motor shall develop 1.0 hp (750 W) at a shaft speed of 150 rpm. Either of two momentary palm switches located on the operator's control handle shall start the motor and solution flow. Solution flow must stop when the brush motors stop rotating.   |
| <b>BRUSH AND PAD DRIVERS</b>  | A polypropylene brush must be standard equipment with each machine. Pad holder must be available as an option. The driver hub on both brushes and pad drivers must be a rigid 3-lug style to provide the torque for forward traverse assist.   |
| <b>BRUSH ASSIST DRIVE</b>     | The machine shall have assisted forward traverse that will allow the operator to easily guide the machine with minimal to no forward force, depending on the floor's surface conditions, and brush or pad driver selection.  |
| <b>TANKS</b>                  | The machine shall be equipped with a 13.2 gallon (50 L) solution tank and a 13.2 gallon (50 L) dirty water recovery tank. The tanks shall be designed so that the solution tank and recovery tank are interlocking so that the center of gravity remains consistent during its operation. The recovery tank shall be equipped with a 1½ inch diameter flexible drain hose having a flexible choke-off valve at the exit end. The recovery tank shall have a large cover to permit easy access for clean-up.  |
| <b>SQUEEGEE</b>               | The squeegee shall be a 29.7 inch (73 cm) wide, parabolic shaped unit. The squeegee shall be mounted at the rear of the machine such that it can be lifted from the floor by moving a hand-operated lever. The squeegee shall be easily removable with two knobs. The squeegee assembly shall have a side-to-side pivot design so as to pick up dirty solution from the floor on turns and must be a breakaway design to prevent damage and downtime.  |

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| <b>ACCESSORIES</b>                                    | The machine shall be capable of operating with polypropylene brush which is provided standard with the machine. An optional pad holder shall be available.  |
| <b>WEIGHT</b>   | The complete machine shall weigh approximately 154 lbs. (70 kg) without water.  |
| <b>DIMENSIONS</b>                                     | The machine shall be 43.3 inches (110 cm) maximum length, 21.3 inches (54 cm) maximum width and 38.5 inches (98 cm) maximum height.   |
| <b>WARRANTY</b>                                       | Machine components shall be warranted for a period of three years from the date of purchase against defects in material and workmanship. Labor for repairs under warranty shall be for a period of two years from the date of machine purchase. |
| <b>THE MACHINE SHALL BE A <i>Clarke CA30™ 17E</i></b> |   |