

**SUGGESTIONS FOR WRITING BID SPECIFICATIONS ON THE
SC400™ B**

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 24 Volts with standard 87 amp hour gel (maintenance-free) batteries. Shall be equipped with an onboard automatic battery charger.
PAD/BRUSH MOTOR	Shall be one, heavy-duty, 24 Volt, permanent magnet DC motor rated at 0.70 horsepower.
VACUUM MOTOR	Shall be one – 0.44 horsepower (330 Watt), moisture-proof, 2-stage with tangential discharge and sound reduction muffler. Vacuum shall have a minimum of 53 CFM and 42 inches 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 6 gallon (23 L) capacity, and incorporated into the main chassis. Must be constructed of linear high-density roto-molded polyethylene. Tank must have a drain valve and a filter to prevent debris from entering the tank when filling.
SOLUTION CONTROL	Shall be a manual gravity-feed system. Flow rate can be regulated from 0.1 to 0.3 gallons (0.4 to 1.1 L) per minute. Shall be equipped with Smart Solutions™ flow rate setting at approx. 0.1 gallons (0.38 L) per minute for maximum productivity per tank. Must have a solenoid valve that shuts off the solution flow when the brush motor is off. Must have an in-line solution filter.
RECOVERY TANK	Shall have 6 gallon (23 L) capacity with a 1.5 in (38 mm) diameter drain hose with variable flow control. Tank must be constructed of linear high-density roto-molded polyethylene. Shall have a shut-off float assembly to prevent moisture, foam and liquid from entering the vacuum motor. Tank must be completely removable without tools for service.
BRUSH/PAD	Shall have one 17 in (43 cm) brush/pad to cover a 17 in (43 cm) scrubbing swath. A variety of brushes shall be available for any cleaning application. Brushes and pad holders shall be removable without tools with standard “Click-off/Click-on” hands-free brush removal/attachment system.
BRUSH/PAD PRESSURE	Shall be 51 lb (23 kg). Scrub deck shall be spring balanced to float with the contours of the floor.
BRUSH/PAD SPEED	Shall have a nominal speed of 165 rpm.

WHEELS	Front: Shall have a single caster, non-marking transport wheel. Rear: Shall have two 9.8 in (25 cm) non-marking elastic rubber wheels.
SQUEEGEE	Shall consist of one 28.3 in (72 cm), center-pivot, squeegee. Shall also incorporate two side roller wheels to protect walls and furniture. Shall have “break-away” and “swing-aside” features if it hits an obstruction. Shall not require tools to remove assembly or to remove/replace the front and rear squeegee blades.
DIMENSIONS	Machine must have a fully adjustable handle, when folded machine must not exceed 39 in (100 cm) length; 22 in (57 cm) width without squeegee; 33 in (84 cm) height (to top of tank). Handle adjustable.
WEIGHT	Shall be no more than 264 lb (120 kg).
HANDLE	Shall be fully adjustable for height, ergonomically designed for comfortable operation.
APPROVALS	Shall meet or exceed worldwide safety and electrical approvals (ETL, CSA, CE).
SOUND LEVEL	Shall be no more than 65 dB A at operator’s position.

The Machine Shall Be An Advance SC400™ B.