

# Charger 2022 DB

## Battery Burnisher

<b>GENERAL</b>	The machine shall be a high-speed, 36V system, battery-powered floor burnisher, driving a 20-in (51 cm) diameter pad at a speed of 2200 RPM. Machine runtime shall be up to 3.0 hours.
<b>CONSTRUCTION</b>	The frame shall be 10-gage steel channel. The body will be 12-gage steel. The entire unitized body and frame will be powder coated.
<b>PAD</b>	The pad speed shall be 2200 RPM. Pad pressure shall be 70-80 lbs. The pad driver shall be 20 in (51 cm) in diameter, and be flexible, conform to floor contours, and "cup" the pad to the floor.
<b>WHEEL-DRIVE</b>	The wheel-drive propulsion on this machine shall be activated by the twist-grip handles. The top forward speed shall be 246 ft/min and the top reverse speed shall be 60% of the forward speed.
<b>MOUNTING</b>	Mounting shall be on a welded powder-coated 10-gage steel channel frame. One 10-in diameter (25.4 cm) wheel with ball bearings at the centerline (pivot point) to carry battery weight and track the machine on a straight line. Two rear 6-in (15 cm) ball bearing swivel-type casters shall be provided. The drive wheel will be a non-marking grey rubber wheel. The casters will have urethane tread.
<b>BATTERIES</b>	The burnisher shall have 6 deep-cycle batteries which are 225 amp hour and 6V, connected in series that will be used in a 36V system.
<b>BATT. CHARGER</b>	The battery charger shall be on-board, allowing the batteries to be charged anywhere an electric outlet is available.
<b>MOTOR</b>	The motor shall be a 36V, 3.6 HP permanent-magnet motor type.
<b>PROTECTION</b>	The controller shall protect drive and brush motors from a current overload. A 90-amp circuit breaker shall protect the controller.
<b>SWITCHES</b>	A master on/off switch shall be provided. A twist-grip handle shall initiate actual machine run/stop and pad operation. A tilt switch will not allow the pad to rotate when the pad is in the raised position.
<b>ADDITIONS</b>	The machine shall have a 90° pad change position.

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Integrity at work.

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Bid Specifications (continued)

**DUST CONTROL** The burnisher shall have an NSS Vac-Trac Dust Collection System that collects floor finish dust into a filter bag at the front of the machine. The filter bag shall collect 95% of particles at 0.3 microns. A flexible pad shroud with bristles shall surround the pad — the suction resulting from pad rotation collects any floor finish residue. The pad shroud shall completely cover the pad in operation to protect bystanders, operators or fixtures from any loose objects on the floor hitting the pad and being “thrown” across the floor at high speed.

**DIMENSIONS**

Weight:	692 lbs (314 kg), with batteries
Length:	56.5 in (143.5 cm), 40 in. (101.5 cm) with head up
Height:	41.5 in (105.5 cm)
Width:	24 in (61 cm)

**SOUND LEVEL** The machine shall be quiet and capable of running in a public environment (hospitals, food service areas) without disturbance, at 68 dBA.

**ISO 9000** The manufacturer must be ISO 9001 registered.

**TWISTER** The machine shall be Twister-approved. Because of its enhanced pad speed, pressure, and durability, this machine is optimal for the Twister system that transforms dull marble, granite, terrazzo, and polished concrete into glossy, brightly-polished floors.

**WARRANTY** The machine shall carry a 3-year warranty against defects in material and workmanship.

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