

eForce™ Burnisher

Battery-Powered Ride-On

GENERAL	The machine shall be a high-speed, 36V system, battery-powered ride-on floor burnisher, driving a 27-in. (68.5 cm) diameter pad at a speed of 1500 to 1700 RPM. Machine runtime shall be up to 3.0 hours.
CONSTRUCTION	The frame shall be 10-gauge steel channel. The housing shall have a rotomolded control panel, motor cover, and bag cover. The flexiwall shield shall be ABS plastic with steel liner.
PAD	The pad speed shall be 1500 to 1700 RPM. Three pad pressure shall be 50-75 lbs. The pad driver shall be 27 in. (68.6 cm) in diameter, and be flexible, conform to floor contours, and “cup” the pad to the floor.
RIDE-ON	The top forward working speed shall be 264 ft/min and the top reverse speed shall be 60% of the forward speed.
MOUNTING	Mounting shall be on a welded powder-coated 10-gauge steel channel frame. Two 10-in. diameter (25.4 cm) wheels with ball bearings at the rear (pivot point) to carry battery weight and track the machine on a straight line. Two front 6-in. (15 cm) ball bearing swivel-type casters shall be provided. The drive wheels will be a non-marking grey rubber wheels. The casters will have urethane tread.
BATTERIES	The burnisher shall have 6 deep-cycle batteries which are 430 amp hour and 6V, connected in series that will be used in a 36V system.
BATT. CHARGER	The battery charger shall be an off board battery charger.
MOTOR	The motor shall be a 36V, 3.6 HP permanent-magnet motor type.
PROTECTION	The controller shall protect drive and brush motors from a current overload. A 125-amp circuit breaker shall protect the controller.
SWITCHES	A master on/off key switch shall be provided. An emergency stop button/switch shall be supplied. For all other controls a Touch Panel Control Panel shall be provided.
ADDITIONS	The machine shall have a 90° pad change position.
DUST CONTROL	The burnisher shall have an NSS Vac-Trac Dust Collection System that collects floor finish dust into a filter bag on the burnishing head of the

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Integrity at work.

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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: 1,100 lbs. (499 kg), with batteries.
Length: 62 in. (157 cm), 42 in. (107 cm) with head tipped up.
Height: 48.5 in. (123 cm)
Width: 30 in. (76 cm)

SOUND LEVEL

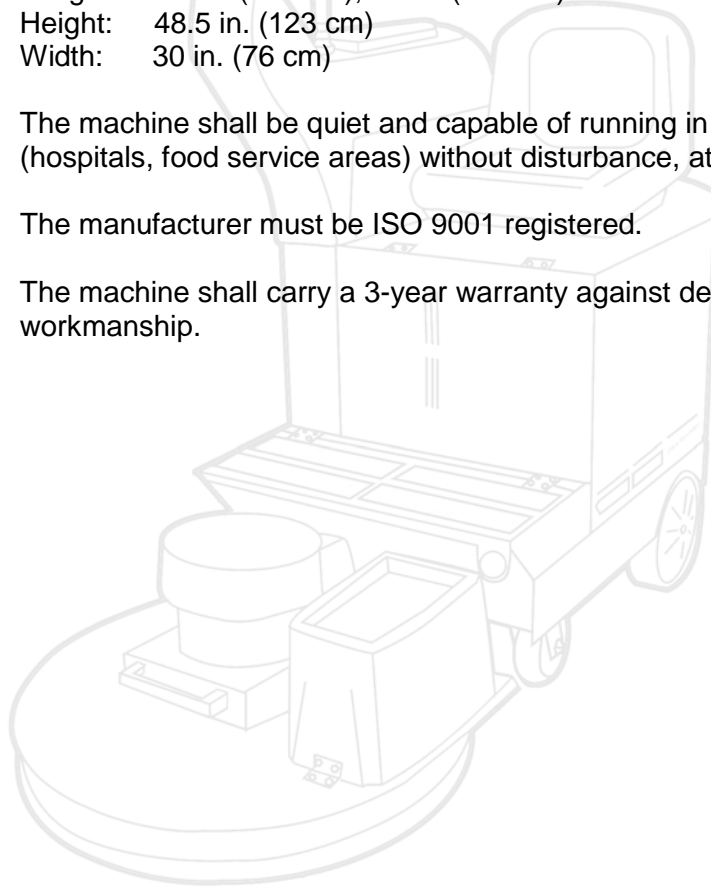
The machine shall be quiet and capable of running in a public environment (hospitals, food service areas) without disturbance, at 68 dBA.

ISO 9000

The manufacturer must be ISO 9001 registered.

WARRANTY

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



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