

**SUGGESTIONS FOR WRITING BID SPECIFICATIONS ON THE
ADVANCE BU800™ 20B and 20BT
BATTERY BURNISHERS**

GENERAL	The machine shall be a single-disc rotary type, with general construction; motor power and weight to adequately handle ultra high-speed burnishing. Brush speed shall be 2,500 rpm with no load and 2,000 to 2,100 rpm working speed. The machine shall be certified to UL standard 583 and to CSA standard C2 2n-65-92.
MOTOR	Shall be permanent magnet 2 ½ hp, 36 V, DC.
PAD HOLDER	Shall be 20 in (51 cm), fixed to the machine, with a flexible face to follow the contours of the floor.
DRIVE MOTOR	The traction drive model shall have a transaxle drive that is driven by a 1/2 hp, 36 V DC, permanent magnet motor.
SWITCHES	Shall have one master key on/off switch, one rocker type switch to activate the pad motor, three momentary type push button switches for traction and pad start, and one gravity ball switch that is activated when the machine is tipped back, turning off all power for safety. All switches shall be moisture proof.
SWITCH HANDLE	Shall be an ergonomic single-piece construction, having molded in placement for two palm activated momentary switches. The pad motor shall start when either or both palm buttons are depressed, and will stop when they are released. The traction drive model shall traverse forward with either or both palm switches depressed, and the pad motor will start. A single momentary switch located on the control handle's center post shall allow the machine to traverse in reverse when it and either or both of the palm buttons are depressed. This additional button shall be a secondary safety that requires the operator to activate two items for the machine to traverse in reverse.
BATTERY CHARGER	Shall have an onboard battery charger with an AC power cable stored on-board the machine allowing charging to be accomplished at any 120 V, 15 amp AC outlet.
BATTERY CHARGE INDICATOR	Shall have a light to indicate that the batteries are charging. The light will flash green when the onboard charger is charging the batteries, and will flash faster as the batteries become charged, until it is on solid when the batteries are fully charged.
BATTERY LEVEL INDICATOR	Shall have an LED bar type indicator which indicates the remaining battery charge available to the operator as the machine is running. The indicator shall be located on the operator control console.
LOW BATTERY LEVEL SHUT DOWN	Shall be a standard feature that electronically monitors the battery level and shuts off the pad motor when the level reaches a low point, to prevent damaging the batteries from over discharge. On traction drive models, the power drive shall remain enabled to permit the operator to transport the machine to a charging area.
PAD PRESSURE	Shall be self regulating with no operator adjustment.
HOUR METER	Shall be standard on all models, and located on the operator control console.
BATTERIES	Either three 12 V/200 Ah wet type, or three 12 V/234 Ah AGM maintenance free Gel type.

**DUST/DEBRIS
COLLECTION
SYSTEM**

Passive Dust Collection

Shall have a shroud constructed of molded A.B.S. plastic material designed to cover the pad holder and pad. Shall have dual air ports attaching paper filtration collector bags. Shall have a felt floor seal totally surrounding the shroud.

Optional Active Dust Collection

To the air ports in the shroud, shall be connected via hose, and mounted to the front of the burnisher, a canister vacuum that automatically engages when the burnisher is running.

**FRAME AND
HOUSING**

Shall be a 10 gauge structural steel frame supporting a rotational molded polyethylene embodiment. Shall have a molded polyethylene battery cover that removes for battery access and electrical servicing.

WEIGHT

BU800 20B with 200 Ah batteries – 551 lb (250 kg)

Shipping Weight – 597 lb (271 kg)

BU800 20B with 234 Ah AGM batteries – 565 lb (256 kg)

Shipping Weight – 611 lb (277 kg)

BU800 20BT with 200 Ah batteries – 596 lb (270 kg)

Shipping Weight – 642 lb (291 kg)

BU800 20BT with 234 Ah AGM batteries – 609 lb (276 kg)

Shipping Weight – 655 lb (279 kg)

DIMENSIONS

Shall not exceed 52 in (132 cm) in length, 23 in (58 cm) in width and 42 in (107 cm) in height.

THE MACHINE SHALL BE AN ADVANCE *BU800™ 20B OR 20BT*