



# Bid Specs For The

# *thoroughbred*

<b>GENERAL</b>	The machine shall be an electric, 175 RPM floor machine, available in 17 and 20-in. models.
<b>HANDLE</b>	The handle shall be a cylindrical tube and have a 1.5-in. diameter, and made of 14-gauge chrome-plated steel. The handle shall lock into any position within its 75-degree adjustment swing. The tube shall be welded to the switch box.
<b>LOCKOUT</b>	The machine shall have a mechanical lockout lever located in the center of the switch box, which must be depressed before the switch lever will activate.
<b>ACTIVATION</b>	The machine shall be activated by first pressing down the lock lever, and then pulling one of the two switch levers toward the handle above. The operator shall be able to activate and operate the machine from one side to the other without having to turn the machine off during the change.
<b>CORD</b>	The cord shall be connected to the handle box. It shall have a metal mechanical strain relief and a spring guard to prevent the cord from physically pulling out of the switch box. It shall be 50-ft. (15.2 cm) long, 14-3 ST, safety yellow with a heavy-duty plug.
<b>WHEELS</b>	The wheels shall have a 5-in. (12.7 cm) diameter, be 1.375-in. (3.5 cm) wide, and consist of non-marking gray rubber. They will be positioned in a wide stance to provide easy transport.
<b>BUMPER</b>	The bumper shall totally enclose the skirt and be made of non-marking vinyl.
<b>BRUSH SPEED</b>	The machine shall turn a brush speed at 175 RPM.
<b>BASE/SKIRT</b>	The base shall be polished cast aluminum, and at least 2.125-in. (5.4 cm) thick. The skirt shall be polished cast aluminum.
<b>MOTOR</b>	The motor shall be AC, 66-frame, 1 HP with a 1.25 service factor, or a 1.5 HP with a 1.75 service rating. It shall be a capacitor-start motor and be top-to-bottom cooled.
<b>TRANSMISSION</b>	The motor power shall be transmitted to the brush through a planetary gear box. The gear gauge in the gear box shall be driven by idler gears,

which are driven by a pinion, which comes into contact with the motor shaft by means of an odum coupling. The motor and pinion shaft shall be supported by oversized ball bearings. The idler gears shall be needle-bearing supported. All gears shall be precision cut, helical gears, made of chrome alloy steel. The gear boxes shall not join below the grease level. The gear box shall be permanently sealed to eliminate leaking. The gear box shall have a 3-idler planetary gear.

**UL / ULC LISTING** The machine shall be UL and ULC listed.

**ACCESSORIES** The machine will be adaptable for carpets and bare floors. It shall be equipped with a single cylindrical tube which allows for the use of most solution tanks. The skirt shall also provide an assembled tube for solution feeding to the brush or pad.

**DIMENSIONS**

Weight:	94 lbs. (42.6 kg) – 17-in. 1 HP
	101 lbs. (45.8 kg) – 20-in. 1 HP
	115 lbs. (52.2 kg) – 20-in. 1.5 HP
Length:	23.5 in. (59.7 cm) – 17-in. models
	24.5 in. (62.2 cm) – 20-in. models
Height:	47 in. (119.4 cm)
Width:	18 in. (46 cm), 21 in. (53 cm)

**SOUND LEVEL** The machine shall operate at a quiet 68 dbA.

**ISO 9000** NSS Enterprises, Inc. has been ISO 9001 registered since September 23, 1998.

**WARRANTY** The machine shall carry a 7-year warranty against defects in material and workmanship. Labor shall be carried for 1 year.