

**SUGGESTIONS FOR WRITING BID SPECIFICATIONS ON THE
Clarke CFP Pro® 20DS
FLOOR POLISHER**

GENERAL	The machine shall be an electric floor scrubbing and polishing machine, with single brush, and constructed with the entire weight of the machine concentrated on the brush when in operation. The brush speed shall be capable of running at speeds of 185 rpm or 330 rpm. The machine shall be designed to operate with 20 inch diameter floor pads or floor brushes with 20 inch diameter bristle spread.
MOTOR	The motor shall be a D.C. rectified permanent magnet type to provide maximum torque output instantaneously when the starting switch is activated. The motor shall be 1½ hp continuous duty at full rated load. The motor shall operate on 15 amps, 115 V, 60 cycles.
SWITCH	The machine shall be equipped with two momentary contact, normally open micro switches so as to open both conductors of the motor circuit at the moment the operator releases the switch lever of the machine. The switches shall be activated by either of two levers located on each side of the operator handle.
SAFETY INTERLOCK SYSTEM	The machine shall be equipped with a mechanical safety device to prevent accidental machine start-up. The safety device shall be located in the area of the operating switch levers, and shall require activation by the operator before the operating switch levers will allow the machine to start.
OPERATING HANDLE	The operating handle shall be constructed of roto-molded plastic and steel for strength and durability. The handle shall be ergonomically designed, and have molded rubber hand grips for operator comfort. The operating handle shall be mounted on a handle tube constructed of heavy, tubular, bright chrome plated steel of not less than 1½ inch diameter and 0.065 inch wall thickness. The handle and tube assembly shall be fully adjustable and shall lock securely in any position in a 60 degree arc.
BRUSH SHIELD AND MAIN FRAME	A die cast aluminum brush shield shall be firmly attached to the main frame. The shield shall be constructed for resistance to corrosion and easy cleaning. The main frame shall be constructed of die cast aluminum.
TRANSPORT WHEELS	The machine shall be equipped with two non-marking, solid rubber tire wheels not less than 5 inches in diameter and with a tread width of not less than 1¼ inches. For stability, the wheels shall be mounted 12 inches apart, and be self-storing. The operator shall be required to change the position of the wheels when converting from the operating position to the transport position.

BUMPER	They shall be securely attached, around the brush shield, a non-marking vinyl bumper to protect walls, furniture, and the floor.
GEARS	The machine shall be equipped with triple planetary type, multiple precision steel gears. All gears shall be helical cut steel. All gears and bearings shall be enclosed in chambers sealed against loss of lubricant and possible admission of water or any foreign material.
ELECTRIC CABLE	The machine shall be provided with 50 feet of #14-3 non-marking thermoplastic covered cable that is highly flexible and yellow in color for safe visibility. One end of the cable shall be reinforced with a heavy-duty steel spring style strain relief where it leaves the handle.
WARRANTY	The floor machine shall be CSA listed, and shall be warranted by the manufacturer against imperfections of materials and/or workmanship for a period of five years from the date of purchase.
ACCESSORIES	Provisions shall be made to feed water to the brush. The fitting shall be such that only the hose, adapter assembly, control and solution tank assembly shall be necessary to complete the water feed equipment. The water feed control shall be conveniently located near the handle grips of the machine. The machine shall include a pad driver using a universal clutch plate. Accessories and attachments for scrubbing, waxing, polishing, grinding, disc sanding, and rug shampooing shall be readily available for the machine.
WEIGHT	The net weight of the machine shall not be less than 98 lb.
DIMENSIONS	The machine shall be 27 inches (68.6 cm) maximum length, 15 inches (38 cm) maximum width, and 17 inches (43 cm) maximum height.

THE MACHINE SHALL BE A *Clarke CFP Pro*[®] 20DS