

**SUGGESTIONS FOR WRITING BID SPECIFICATIONS ON THE  
Clarke CFP Pro® 17HD or CFP Pro® 20HD FLOOR MACHINES**

- GENERAL** The machine shall be an electric floor scrubbing and polishing machine, single brush, and constructed with the entire weight of the machine concentrated on the brush when in operation. The brush speed shall be not less than 175 rpm. The machine shall be designed to operate with 17 in (43.2 cm) diameter floor pads or floor brushes with 17 in (43.2 cm) diameter bristle spread as on model CFP Pro 17HD, or with 20 in (50.8 cm) diameter floor pads or floor brushes with 20 in (50.8 cm) diameter bristle spread as on model CFP Pro 20HD.
- MOTOR** The motor shall be capable of handling maximum output without overload. The motor shall be drip-proof and shall be continuous duty at full rated load and not less than 1½ horsepower. The motor shall be rated at 15 amperes, 120 V, 60 Hz, and have dual capacitors for start and run to maximize efficiency. The motor shall have a chrome plated cover.
- SWITCH** The switch 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. 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.
- CIRCUIT BREAKER** The machine shall be equipped with a handle-mounted circuit breaker.
- OPERATING HANDLE** The operating handle shall be constructed of die cast aluminum 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. The handle and tube assembly shall be fully adjustable and shall lock securely in any position in a 60 degree arc.
- MAIN FRAME** 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 in (12.7 cm) in diameter. The wheels shall be mounted off the ground except when the machine is in a transport position, where they will rest on the ground.
- BUMPER** They shall be securely attached, 360 degrees around the brush shield, a non-marking vinyl bumper to protect walls, furniture, and the floor. The bumper shall lip under the brush shield to protect the floor.
- GEARS** The machine shall be equipped with triple planetary type, multiple precision steel gears.
- ELECTRICAL CABLE** The machine shall be provided with 50 ft (15.2 m) 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.
- 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.
- WEIGHT** The net weight of the machine shall not be less than 101 lb, for the 17 in (43.2 cm) machine, and 109 lb for the 20 in (50.8 cm) machine.

**THE MACHINE SHALL BE A Clarke CFP Pro® 17HD or CFP Pro® 20HD**