

# **SUGGESTED BID SPECIFICATIONS FOR Clarke FM40 LX and FM40 ST Orbital Floor Machines**

<b>GENERAL</b>	<p>This scrubbing floor machine shall be the random orbital type, single pad, and constructed with the entire weight of the machine concentrated on the pad when in operation. The machine will be designed for a pad size of 20 x 14 inches and operate at a speed no less than:</p> <ul style="list-style-type: none"><li>• 3,540 RPM orbiting in ¼ inch micro orbits</li></ul>
<b>MOTOR</b>	<p>The motor shall be capable of handling maximum output without overload. The motor shall be sealed-type and shall be continuous duty at full rated load and not less than 1.5 horsepower. The motor shall be 120 Volt/60Hz.</p>
<b>OPERATING HANDLE</b>	<p>Shall have comfortable on/off grip levers with a safety interlock button to prevent accidental start up.</p>
<b>DETACHABLE HANDLE AND WHEEL DOLLY (LX Model Only)</b>	<p>The entire handle and wheel dolly shall be detachable without tools for easy loading in vehicles and compact storage.</p>
<b>MAIN FRAME</b>	<p>The main frame of the machine shall be constructed of die cast steel.</p>
<b>TRANSPORT WHEELS</b>	<p>The machine shall be equipped with two non-marking, solid wheels not less than 5 inches in diameter and with a tread width of not less than 1¼ inches for the ST model and not less than 6 inches in diameter with a tread of not less than 2 inches for the XP model.</p>
<b>REMOVABLE WEIGHTS</b>	<p>The machine shall be equipped with three removable weights of not less than 21 lb each for flexibility in applications, and for easier vehicle loading.</p>
<b>WHEELS-UP / WHEELS-DOWN SWITCH (LX model only)</b>	<p>The machine shall be equipped with a switch that can change the position of the wheels from off the ground, to resting on the ground, thus being able to operate with the scrub deck floating and able to go from side-to-side and forward/backward, or when the wheels are down to operate with more balance and control going in a forward/backward motion like a lawnmower or vacuum cleaner. The wheels-up position permits maximum maneuverability, and the wheels-down position permits maximum control, comfort and ease of use.</p>
<b>BUMPER</b>	<p>The bumper shall be securely attached on three sides around the main frame.</p>
<b>SOUND LEVEL</b>	<p>The machine shall be equipped with sound and vibration deadening gaskets and insulation to create a low vibration feel, and a sound level of not more than 68 dB A at the operator's ear.</p>
<b>BASEBOARD CLEANER (Standard on LX model, Optional on ST model)</b>	<p>The machine shall be equipped with a removable vertical plate attached to the orbiting base plate that will allow attachment of cleaning pads for cleaning wall baseboards.</p>
<b>WEIGHT</b>	<p>The net weight of the machine with full weights supplied shall be no less than 161 lb (ST model), and 169 lb (LX model).</p>
<b>OPTIONAL DUST CONTAINMENT AND SOLUTION TANK KITS</b>	<p>The machine shall accommodate both an optional dust containment kit for dry applications, and a solution tank kit for wet applications.</p>
<b>MODEL DESIGNATION</b>	<p>The machine shall be an <b>Clarke FM40 LX or FM40 ST.</b></p>