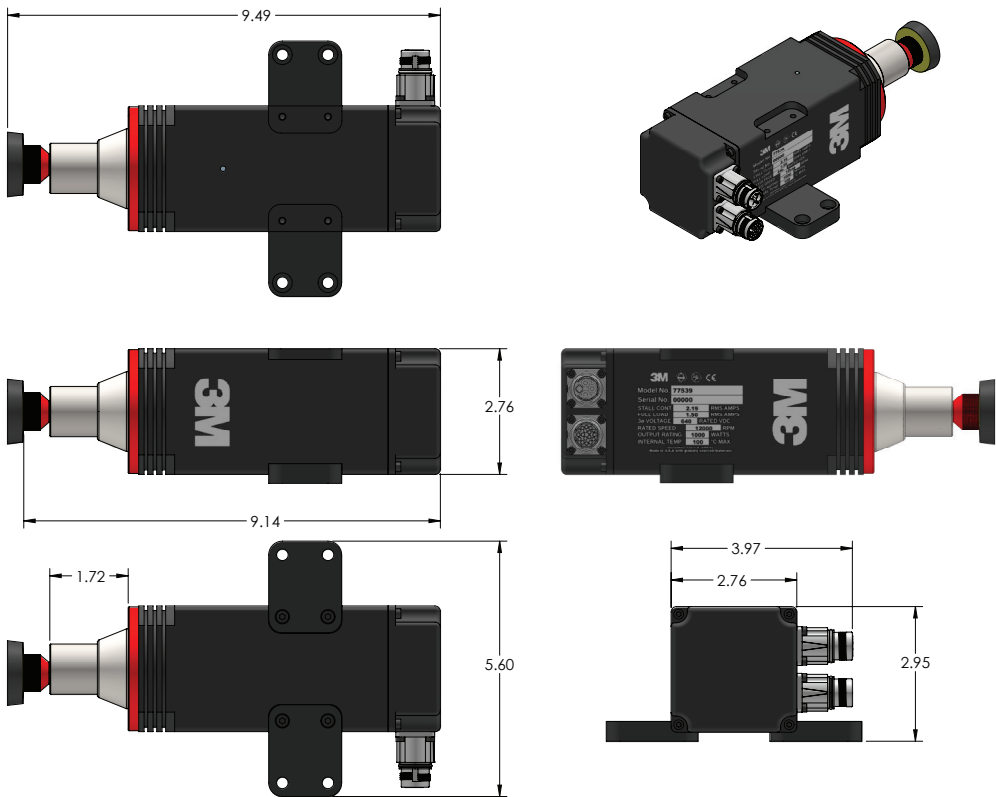




3M™ Servo Random Orbital Sander

Technical Data Sheet

Effective Date: October 29, 2020

Product Name	3M™ Servo Random Orbital Sander – PN77539
Product Description	The 3M™ Servo Random Orbital Sander is designed for use as part of the 3M™ Robotic Paint Repair System, as well as other robotic denibbing sanding applications. Technical features include: • Servo motor capable of delivering consistent and controllable speeds under different applied forces • 12,000 max RPM rating and a 3/16" (5mm) counterbalance • Compact design enables two tools (3M™ Servo Random Orbital Buffer, or a 3M™ Servo Random Orbital Sander) on a single 3M™ Active Complaint Tool, which may help lower total system costs 

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Applications	• Sanding • Paint finishing																
Specifications	<table><tr><td><i>Mounting:</i></td><td>Direct bolt to 3M Active Compliant Tool</td></tr><tr><td><i>Dimensions:</i></td><td>7.99" (203mm) long, 5.60" (142mm) wide, 2.76" (70.1mm) tall</td></tr><tr><td><i>Max Speed (RPM):</i></td><td>12,000</td></tr><tr><td><i>Max Voltage:</i></td><td>640 VDC BUS</td></tr><tr><td><i>Motor Power:</i></td><td>1.2 KW</td></tr><tr><td><i>Disc Size:</i></td><td>1-3/8" (35mm) max</td></tr><tr><td><i>Orbit Diameter:</i></td><td>3/16" (5mm)</td></tr><tr><td><i>Environment Temperature:</i></td><td>10–50°C (50–122°F)</td></tr></table>	<i>Mounting:</i>	Direct bolt to 3M Active Compliant Tool	<i>Dimensions:</i>	7.99" (203mm) long, 5.60" (142mm) wide, 2.76" (70.1mm) tall	<i>Max Speed (RPM):</i>	12,000	<i>Max Voltage:</i>	640 VDC BUS	<i>Motor Power:</i>	1.2 KW	<i>Disc Size:</i>	1-3/8" (35mm) max	<i>Orbit Diameter:</i>	3/16" (5mm)	<i>Environment Temperature:</i>	10–50°C (50–122°F)
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Weight	7 lbs (3.2kg)																

Specifications subject to change without notice. These values are based on measurements taken in a laboratory environment. Real-world results may vary due to external factors beyond 3M's control.

Have questions? Ask the 3M Robotics Abrasives Experts at 1-800-803-9104.

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