

LORD CORPORATION**EM Fan Balancing System – Technical Specification Document**

Balancer Assembly:	Small Balancer	Medium Balancer	Large Balancer
Min/Max. Shaft Mounting Diameter	Up to 4" Up to 101 mm	Up to 8" Up to 203 mm	Up to 12.8" Up to 325 mm
Balancer Outside Diameter	345 mm	486 mm	615 mm
Balancer Max Width	2.13" 54 mm	2.48" 63 mm	3.70" 94 mm
Min/Max Speed* <i>(Dependant on Capacity)</i>	500 – 3600 RPM	500 – 2100 RPM	500 – 1200 RPM
Min/Max Capacity	50 – 600 oz-in 3,600 – 43,200 g-cm	400 – 1600 oz-in 28,800 – 115,200 g-cm	1,000 – 4,500 oz-in 72,000 – 324,000 g-cm
Rotating Weight	43 lbs	85 lbs	200 lbs
IP Rating	IP-65	IP-65	IP-65
Temperature Range* <i>(Dependant on Speed and Capacity)</i>	0°F – 200°F	0°F – 200°F	0°F – 200°F

Coil Assembly:	Small Balancer	Medium Balancer	Large Balancer
Axial Range	+/- 3 mm	+/- 5.5 mm	+/- 9 mm
Coil Outside Diameter	15.95" 405 mm	22.05" 560 mm	27.55" 700 mm
Coil Max Width	2.13" 54 mm	2.48" 63 mm	3.70" 94 mm
Air Gap between Balancer and Coil	0.080" 2.0 mm	0.080" 2.0 mm	0.100" 2.5 mm
IP Rating	IP-65	IP-65	IP-65
Temperature Range	0°F – 200°F	0°F – 200°F	0°F – 200°F

Controller Assembly: <i>(Including PWM Amplifier)</i>	
Power Supply	220V 15 Amp Single Phase
Max. Distance to Balancer/Coil	100'
Display Type	3 Line LCD
Interface	FPAN Keypad and Windows Software
IP Rating	IP-40

Coil Power/Sensor Cables:	
Standard Lengths	15', 30', 45', 60', 75', 100'
IP Rating	IP-65

Vibration Sensor:	
Sensor Type	Accelerometer
Sensitivity	100 mV/g
IP Rating	IP-67

The information contained herein is proprietary to Lord Corporation and shall not be reproduced or disclosed in whole or in part or used for any design or manufacture except when such user possesses direct, written authorization from Lord Corporation