



About the Siemens Norwood facility

Siemens Norwood motor manufacturing and repair facility, built in 1898, is located about 20 minutes north of Cincinnati. It's recognized for being the first manufacturing facility in Norwood, Ohio and also ranks as one of Siemens longest continuous operating plants globally.

With nearly 500,000 square feet under roof, the plant is capable of producing the complete line of Siemens large motors up to 20,000 HP. The Norwood facility is also known for producing motors that exceed the demanding standards established by the American Petroleum Institute such as API-541 and API-547, as well as the International Electrotechnical Commission.

The facility is dedicated to developing, assembling, and testing these large electric motors as well as providing services to rebuild older motors or build entirely new motors to meet original specifications.

Contact

To request a quote or for more information on Medium and High Voltage Motor Testing Services, contact the Siemens Industry Customer Care Center at (800) 333-7421 or by email at info.us@siemens.com.

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Motor testing for Siemens
and non-Siemens motors up
to 20,000 HP

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Investing in the future at Siemens Norwood Manufacturing

The Siemens Norwood plant has a history of continuous improvement. Norwood manufactures large AC AboveNEMA motors, traction motors and motor parts used in industries such as rail systems, oil and gas, chemical, pulp and paper, mining and power generation. Over the years, Siemens has significantly invested to expand and modernize the plant with new machinery, processes, and technology. The goal was to create a state-of-the-art factory with increased capacity, capability and productivity. Most recently, the company invested over \$5 million to expand the plant's testing capabilities.

Today, the Norwood motor manufacturing facility is a showcase for efficiency and environmental stewardship. The employees at the plant continue to look for other cost reductions and process improvements in line with Siemens commitment to energy efficient, responsible manufacturing.

Benefits of Siemens Medium and High Voltage Motor Testing Services

- Best-in-class motor testing capabilities in North America
- Available for Siemens and non-Siemens motors
- 120 years of manufacturing expertise - 150,000+ MV and HV motors
- Testing conducted in accordance with API 541/547, NEMA MG 1, IEC 60034-02/-29, and IEEE 112
- Full load testing up to 20,000 HP motors
- Test Observatory for witness testing

Testing for critical motors you depend on

From designs, to materials and workmanship, quality is built into every motor shipped from the Siemens Norwood manufacturing facility. All Siemens motors are tested in accordance to applicable API, NEMA, IEC, and IEEE standards. These same testing capabilities are now available to third parties and provide a best assurance of build quality for motors up to 20,000 HP – both Siemens-branded as well as non-Siemens.

Siemens Norwood is one of the few centers in North America to offer a comprehensive range of materials and performance testing for large motors. Available performance testing includes:

Method	Test	Hz	Voltage range	No. of poles	Max HP
E1	Shaft load heat run	60	460 – 13,800	2	10,000
				4	20,000
				6	13,300
		50	2,000 – 11,000	2	10,000
				4	16,600
	6	11,000			
	Extrapolated shaft load heat run	60	4,000 – 13,800	2 / 4 / 6	18,500
	Efficiency only (w/o temperature test)	60	2,300 – 13,800	-	10,000
F1 [Ⓢ]	Dual frequency heat run	60	2,300 – 8,000	-	3,000
	Efficiency only (w/o temperature test)	50 / 60	2,300 – 13,800	-	5,000
B	Complete test	60	460 – 13,800	2	10,000
				4	8,000
				6	5,500

[Ⓢ] Test also available for vertical motors.

Note - The largest test stand can accommodate motors with a maximum shaft height of 32.5" and a maximum weight of 30 tons.

