

ASCO® LOAD BANKS

2000 SERIES



AVTRON

ASCO®

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ASCO Avtron 2000 SERIES load banks are indoor rated resistive units for testing power sources at unity power factor. Based on a rugged, heavy duty construction, 2000 SERIES are intended for continuous use and are built to withstand the rigors of varying climatic work site conditions.

All models can be customized for a particular applications and are available from 5-700 kW with a wide voltage test range. Each model in the 2000 SERIES range has common design features which results in a proven reliable load bank at a cost effective price. Remote manual control is standard on the 2000 SERIES. SIGMA LT control and other digital controls are available as an option when networking, modbus, or building management system (BMS) interface is required.

Typical 2000 SERIES load bank applications include mission critical, data centers, rental, service and generator maintenance, OEM's, and renewable energy.

As well as the 2000 SERIES, an extensive range of other load bank SERIES are also available.



Resistive Only



Capacities from
5 - 700 kW



Controls:
Local Manual,
SIGMA LT



Portable:
Hand-Held, Suitcase,
or Casters

2000 SERIES MODELS

For more detailed technical specifications, please refer to the relevant model specific technical data sheet.

Model Name	Capacity	Frequencies Available (Hz)	Voltage Range (V)	Ambient Temperature Range	Hot Air Discharge Direction	Control Options	Optional Extras
2100	5-10 kW	50, 60, 50/60	120 & 240 single PH	-20°F to 120°F	Horizontal	Local Manual	N/A
2200	60-150 amps	N/A	26/52 DC	-20°F to 120°F	Horizontal	Local Manual	N/A
2300	10 kW	50, 60, 50/60	120, 208, 240	-20°F to 120°F	Horizontal	Local Manual	Transport Case
2400	900-1000 amps	N/A	28 & 52 DC	-20°F to 120°F	Vertical	Local Manual	Vinyl Dust Cover, Digital Volt and Amp Meter
2500	100 kW	50, 60, 50/60	240/480, 600	-20°F to 120°F	Horizontal	Local Manual	N/A
2550	1-250 amps	N/A	110-135 DC	-20°F to 120°F	Horizontal	Local Manual	N/A
2600	25-75 kW, 1 PH	50, 60, 50/60	120/240, 240	-20°F to 120°F	Horizontal	Local Manual	Cable Set
2600	55-75 kW, 3 PH	50, 60, 50/60	208, 240/480	-20°F to 120°F	Horizontal	Local Manual	Cable Set
2700	100 kW	50, 60, 50/60	208, 240/480	-20°F to 120°F	Horizontal	Local Manual	Cable Set, Transport Case
2705	100 kW	50, 60	240/480	-20°F to 120°F	Horizontal	Local Manual, SIGMA LT	Hand-Held Control (SIGMA LT), Cable Set, Transport Case
2750	150 kW	50, 60, 50/60	240/480, 400, 600	-20°F to 120°F	Horizontal	Local Manual, SIGMA 2	Transport Case
2800	200, 250, 400 kW	50, 60, 50/60	240/480, 400, 600	-20°F to 120°F	Horizontal	Local Manual	Cable Set, Transport Cover, Control Power Transformer
2805	400, 500 kW	60	240/480	-20°F to 120°F	Horizontal	Local Manual, SIGMA LT	Hand-Held Control (SIGMA LT), Cable Set, Transport Case
2900	500-700 kW	50, 60, 50/60	240/480, 400, 600	-20°F to 120°F	Vertical	Local Manual	Cable Set, Transport Cover, Control Power Transformer
2905	700 kW	60	240/480	-20°F to 120°F	Vertical	Local Manual, SIGMA LT	Hand-Held Control (SIGMA LT), Cable Set, Transport Case

SIGMA LT PLATFORM



The SIGMA LT “digital” toggle switch local control panel is provided as standard on SIGMA LT load banks. It provides straight forward control along with LED metering and provisions for the optional hand-held control (to enable networking). SIGMA LT only requires a single hand-held to remotely control up to 25 load banks. SIGMA LT load banks of varying load capacities can be networked to provide an extensive range of load.

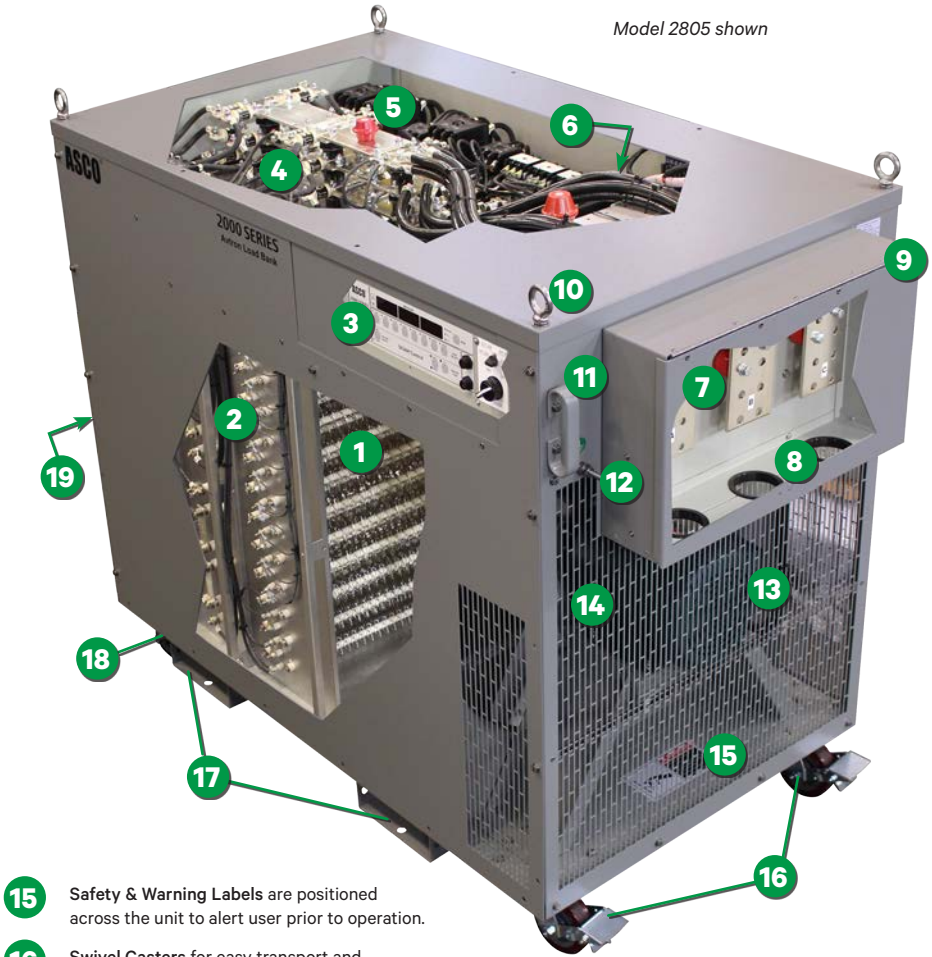


Multiple model 2705 load banks controlled by the optional SIGMA LT hand-held controller.

TECHNICAL FEATURES

2000 SERIES load banks are designed and manufactured with a number of unique technical features to provide reliable and accurate load testing for any application.

- 1 ASCO Avtron Helidyne Resistor Elements are designed and manufactured in house. They provide extended, reliable performance. These elements utilize a proprietary corrosion resistant chromium alloy and will provide years of trouble free service.
- 2 Segmented Ceramic Insulators & Stainless Steel Rods provide unmatched element support. Years of design innovations and field studies have resulted in the most reliable resistive element assembly available.
- 3 Local SIGMA LT Control Panel with digital push buttons and full digital monitoring.
- 4 Branch Circuit Fuse Protection is provided to limit fault current and protect components in the unlikely event of a phase to phase or phase to ground short.
- 5 Load Contactors are properly engineered to match the required load step value.
- 6 Differential Air Pressure Switch provides unit protection by dropping applied load if cooling airflow is not detected.
- 7 Main Load Input Bus Bars are the main landing area for incoming power cables.
- 8 Cable Entry Area, with cable access holes provided for easy access to input bus bars.
- 9 Protective Hinged Access Cover protects cables and operator during use.
- 10 Lifting Eyes for overhead lifting.
- 11 Transport Handle(s) for assist in maneuverability of load bank.
- 12 Chassis Ground Stud for proper grounding during operation.
- 13 Cooling Motor Assembly are integral to load bank and engineered to provide proper cooling CFM and motor circuit protection.
- 14 Screened Cool Air Intake is located on three sides of the load bank. It allows cool air intake and prevents foreign object damage.



Model 2805 shown

- 15 Safety & Warning Labels are positioned across the unit to alert user prior to operation.
- 16 Swivel Casters for easy transport and maneuverability.
- 17 Fork Lift Pockets are provided for transport and lifting.
- 18 Fixed Casters for easy transport and maneuverability.
- 19 Exhaust will direct hot air away from personnel.

**PROOF OF
POWER ANYWHERE**

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