ASCO® LOAD BANKS

6000 SERIES

Froment

ASCO®

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ASCO® Froment 6000 Series load banks are either inductive, capacitive or combined resistive/inductive units for testing power supplies at non-unity power factor. Based on a rugged, heavy duty welded monocoque construction, 6000 Series are intended for continuous use and are built to withstand the rigours of the world's varying climatic conditions.

All models can be customised for a particular application and are available from 100kVA to 2000kVA with a wide voltage test range. Each load bank in the 6000 Series range has common design features ensuring a built to last and low life cost philosophy. SIGMA control is fitted as standard providing networking capabilities with multiple load banks to achieve larger test capacities or variable power factor testing.

Typical 6000 Series load bank applications include mission critical, data centres, rental, service and generator maintenance, OEM's and renewable energy.

As well as the 6000 Series, an extensive range of 3000 Series (purely resistive) and 8000 Series (containerised) load banks are also available.

- Inductive or capacitive only options
- Combined options
- Monocoque construction
- Capacity ranges from 100kVA - 2200kVA
- Best-in-class Sigma controls

Model Displayed: 6164, 1200kVA

6000 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
6067	350kVAr (inductive)	50, 60, 50/60	380-690V	-10°C to +50°C	n/a	IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic	PVC cover, circuit breaker
6111	900kVAr (inductive)	50, 60, 50/60	380-690V	-10°C to +50°C	n/a	IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic	PVC cover, circuit breaker
6112	600kVAr (capacitive)	50, 60, 50/60	380-690V	-10°C to +50°C	n/a	IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic	PVC cover, circuit breaker
6045	100kVA (combined)	50, 60, 50/60	380-690V	-10°C to +50°C	Vertical	IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic	PVC cover, circuit breaker
6110	700kVA (combined)	50, 60, 50/60	380-690V	-10°C to +50°C	Horizontal	IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic	PVC cover, circuit breaker
6164	1200kVA (combined)	50, 60, 50/60	380-690V	-10°C to +50°C	Vertical	IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic	PVC cover, circuit breaker
6180	2000kVA (combined)	50, 60, 50/60	380-690V	-10°C to +50°C	Vertical	IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic	PVC cover, circuit breaker

* Capacity will depend on selected Voltage and Frequency.

SIGMA CONTROL

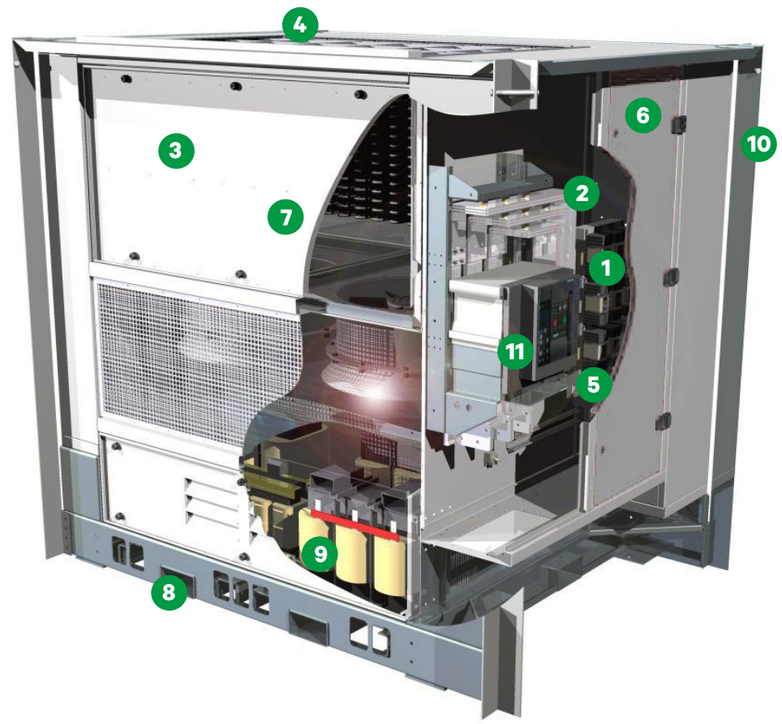
SIGMA is a multifunctional embedded load control system specifically designed for ASCO Avtron and ASCO Froment load banks. Flexible, Feature Rich and Cost Effective it is best-in-class providing a solution for any application.

SIGMA gives intelligent, fast, user friendly, accurate control and instrumentation with outstanding test features and data acquisition capabilities. It brings cost effective solutions to today's power testing requirements which require high level instrumentation, data capture and verification to ISO8528. SIGMA has the ability to network multiple load banks and control from one hand-held or PC . Alternatively, integrate SIGMA with existing BMS, Modbus or SCADA systems for unified site control. For more information please see our SIGMA control brochure.

TECHNICAL FEATURES

6000 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. Extensive electrical protection with HRC fuse protection for each element group and its associated contactor, control circuit, fan motor overload and load bank over heat protection. Fuses are connected directly to the bus-bar to eliminate wiring that is not fuse protected.
2. Polycarbonate screens in control and switchgear enclosures protect all live parts from accidental contact.
3. Many SIGMA load control options available. See our SIGMA control brochure for more information.
4. Horizontal or vertical hot air discharge depending on model.
5. Rail mounted contactors allow greater load selection and fine tuning opportunities.
6. Double insulated doors reduce the effects of solar gains on control and switchgear enclosures.
7. Heavy duty Zintec steel folded and welded to form a monocoque construction.
8. Galvanised fork pocket base.
9. All inductors are iron cord, vacuum impregnated with insulating varnish and thermal overload protection.
10. Four point lift frame provides a crash frame and exceptionally solid and robust assembly.
11. Optional power air circuit breakers allow the load bank to be fully isolated from the supply on test.



PROOF OF POWER ANYWHERE