

# ASCO® LOAD BANKS

3000 SERIES



Froment

ASCO®

# 3000 SERIES LOAD BANKS

ASCO® Froment 3000 SERIES load banks are resistive units for testing power supplies at unity power factor. Based on a rugged, heavy duty welded monocoque construction, 3000 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 100kW to 2200kW with a wide voltage test range. Each load bank in the 3000 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 3000 SERIES load bank applications include mission critical, data centres, rental, service and generator maintenance, OEM's and renewable energy.

As well as the 3000 SERIES, an extensive range of 6000 SERIES (inductive, capacitive or combined) and 8000 SERIES (containerised) load banks are also available.

-  Resistive only
-  Monocoque construction
-  Capacities from 100kW - 2200kW
-  Best-in-class SIGMA controls
-  Static or manoeuvrable options

## 3000 SERIES MODELS

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

| Model Name | Capacity* (kW) | Frequencies Available (Hz) | Voltage Range (V) | Ambient Temperature Range | Hot Air Discharge Direction | Control Options   | Optional Extras                                      |
|------------|----------------|----------------------------|-------------------|---------------------------|-----------------------------|---|--|
| 3012       | 100            | 50, 60, 50/60              | 380-690           | -10°C to +50°C            | Vertical                    | IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic | Castors, PVC cover, circuit breaker                  |
| 3024       | 230            | 50, 60, 50/60              | 380-690           | -10°C to +50°C            | Vertical                    | IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic | Trailer Mounted, castors, PVC cover, circuit breaker |
| 3044       | 400            | 50, 60, 50/60              | 380-690           | -10°C to +50°C            | Vertical                    | IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic | Castors, PVC cover, circuit breaker                  |
| 3066       | 700            | 50, 60, 50/60              | 380-690           | -10°C to +50°C            | Horizontal                  | IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic | Trailer Mounted, castors, PVC cover, circuit breaker |
| 3103       | 1000           | 50, 60, 50/60              | 380-690           | -10°C to +50°C            | Vertical                    | IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic | Castors, PVC cover, circuit breaker                  |
| 3110       | 1300           | 50, 60, 50/60              | 380-690           | -10°C to +50°C            | Horizontal                  | IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic | Trailer Mounted, castors, PVC cover, circuit breaker |
| 3164       | 1600           | 50, 60, 50/60              | 380-690           | -10°C to +50°C            | Vertical                    | IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic | Castors, PVC cover, circuit breaker                  |
| 3220       | 2200           | 50, 60, 50/60              | 380-690           | -10°C to +50°C            | Vertical                    | IHT, Decade switches, Site load correction, PC software, MODBUS, PC Basic | Castors, 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.

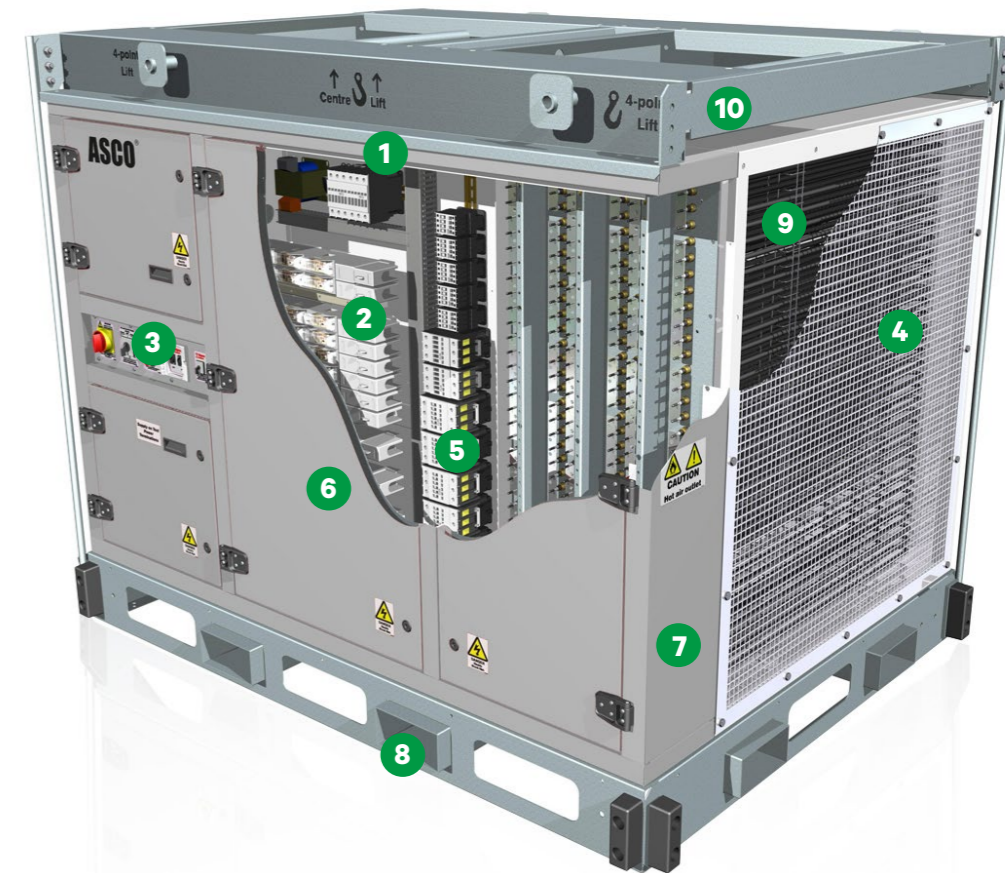


## TECHNICAL FEATURES

3000 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 Various 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 Conservatively rated non-finned stainless steel sheathed elements ensure a long operating life.
- 10 Optional single and four point lift frame provides integrated solar protection. The tie bars act as a mini crash frame.

Model Displayed: 3066, 700kW



**PROOF OF  
POWER ANYWHERE**

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