

Drake Power Systems 16V DC, 1000A Rectifier



Stock No	RF734J
Manufacturer	Drake Power Systems
Model	Saturable Reactor Control
Serial	3491 F
Condition	From a working environment
Voltage	16
Amps	1000
Other Info	Silicone Diode
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	475
External Dimensions (WxDxH mm)	780 x 800 x 2000mm

Description

Transformer/Rectifier Technical Specification

Rectifier Type: Silicon diode, full wave rectification, bridge connected, 6 Pulse configuration

Originally working on a Barrel Plating Line in Birmingham.

- **Control:** Saturable reactor (transductor) controlled, to give current regulated output control 5%-100%

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Machine Datasheet



range, Motorised 0-100% Stepless control.

- **Output DC:** 1000A 16V DC air cooled silicone diode
- **Input AC:** 415-440VAC 3 Phase 50/60Hz +/- 10%.
- **Control Supply:** 240VAC 1 Phase (derived internally) TBC

- **Input Power:** 29Amps @380/440 3 phase 50Hz
- **Dimensions:** 780 x 800 x 2000mm
- **Weight:** 475kgs

Parallel Operation: The saturable reactor control circuit is designed so parallel operation is achievable, without any need for current sharing circuits. Each unit has inbuilt current limit so overloading in parallel operation is impossible.

General Construction: Consisting of a standard floor mounted steel enclosure with hinged opening front doors for ease of access. Enclosure fitted with channel under-base for ease of moving. All transformers and electronic equipment suitably protected against corrosive environments.

Operating Conditions: Indoor use in up to a 40°C ambient temperature.

DC Output Connections: DC Heavy duty aluminium busbars.

Ripple: Standard Rectifiers 5% or better over the full range of operation.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.