



Model RBC5000 Transformer Rectifier Units (TRU) Range

(all information is based on a standard system, other variants are available)



- ◆ **400 Amps to 600 Amps continuous.**
- ◆ **1600 Amps peak or 2000 Amps peak**
- ◆ **All-Weather IP54. Supplied on heavy duty castors, trailer mounted for ramp use, or static unit for installed use.**
- ◆ **High overload capability for engine start.**
- ◆ **Low acoustic noise.**
- ◆ **Simple operation with analogue indication**
- ◆ **Lights for machine Status**
- ◆ **Illuminated panel for around the clock operation**

The RBC5000 is designed to be extremely user friendly and offer excellent power to weight and size ratio. The RBC5000 is over powered; this means you can guarantee the power this unit offers. The RBC5000 provides up to 600 Amps continuously and up to 2000 Amps peak, it comes in an IP54 case and is capable of working at temperatures from -20°C to +50°C.

The RSC5000 is designed specifically for Aircraft and can easily be moved around the hanger. Other variants are available of the RSC5000 and units can be built to specification. Contact our sales or technical team for advice.

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Technical Specifications

INPUT	
Voltage	380 TO 460VAC, 3-Phase with or without neutral
Frequency	50Hz or 60Hz, +/- 6%
Current Harmonics	EN61000-3-12 EMC – Harmonic Limits
Power Factor	0.93
Inrush	Limited to 50 Amp
Connections	63 Amp, 10 metre, 5 core cable with BS4343 plug or H/W
OUTPUT	
Voltage	28.5VDC
Voltage Regulation	Steady state +/-5%
Peak Amps RBC5400	400 Amps continuous and 1600 Amps peak
Peak Amps RBC5600	600 Amps continuous and 2000 Amps peak
PROTECTION	
Input Protection	63 Amp circuit breaker with current limiting
Thermal Overload	Thermal sensors located in main rectifier, transformer and power module.
SYSTEM	
Ambient Temperature Range	-20 to +50°C
Humidity	Less than 90% non condensing
Altitude	All specifications are quoted at less than 2000m above sea level
Acoustic Noise	Typically 65dB
Efficiency	85% to 95%
EMC	EN61000-3-12 EMC – Harmonic Limits EN61000-6-2 EMC – Immunity for Industrial Environments EN61000-6-4 EMC – Emission Standards for Industrial Environments
Casing	Zinc plated steel, powder coated RAL No. BS3020. Size 103cm High x 71cm Wide x 110cm Deep without castors
Case Rating	IP54 EN60529 - IP Ratings for Enclosures
Meters	Analogue for output Amps and Volts
Panel	Status lights for input and output conditions, and alarms
VARIANTS	
Wheels for castor version	Size 118cm High x 71cm Wide x 110cm Deep
Tow Bar	1200mm long with 50mm eye (with trailer version only)
Stationary version	Size 103cm High x 71cm Wide x 110cm Deep
OPTIONS	
Longer input and output cables	
Other variations available on request	

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