



# Rental Power

## > Case History

Carnival in Rio de Janeiro, Brazil



**Power  
Generation**

**Our energy working for you.™**

### **Where:**

Carnival, Rio de Janeiro, Brazil

### **What:**

Special event auxiliary power

### **Purpose:**

To power parade lighting, electric floats and remote television broadcasts with more than 8 MW of Rental Power

### **Primary choice factors:**

Rapid availability of highly reliable Rental Power from units ranging in size from 11 kW to 500 kW, and 24/7 service and support from factory-trained technicians

## **Rental Power lights up Carnival in Rio**

RIO DE JANEIRO, BRAZIL — The world-famous Carnival in Rio is one of the largest public celebrations in the Western Hemisphere. And for the first time, Cummins Power Generation Inc. was the major supplier of Rental Power to this enormous special event. The latest annual event attracted hundreds of thousands of spectators and participants over four nights of almost continuous revelry, and required more than 8 MW of highly reliable Rental Power.

The centerpiece of the Carnival was a nightly parade through the Sambódromo, an entertainment venue the length of eight football fields through downtown Rio de Janeiro. The Sambódromo is named for the major spectacle of the event — a samba dancing competition between groups from eight samba schools. Up to 5,000 samba dancers competed for awards, each one trying to outdazzle the next with electrified floats, spirited dancing, costumes and lighting effects. Each dancing team had special computer-choreographed lighting displays that were also powered by Cummins Power Generation Rental Power.



Cummins Power Generation provided more than 8 MW of Rental Power for the 2002 Carnival in Rio de Janeiro, one of the world's largest public celebrations.

Rental Power units ranging in power from 11 kW to 500 kW were required for the floats, computerized lighting shows, sound systems, equipment, sponsor parties, and radio and TV coverage — totaling more than 8 MW. Some were strategically located along the parade route to power lighting and communications. Smaller portable generators were used on the floats to power the dazzling arrays of lights.

#### **Easy installation and reliability key factors**

As with any special event, reliability of the rental power system is vital. There is only one chance to get it right. Some of the power installations required special attention.

*For example, to power broadcast coverage by Brazilian TV, two 350 kW Rental Power units were connected in parallel to provide fully redundant power for the facilities. Had there been a problem with one of the units, the other one could immediately assume the load with no loss of power.*



Two of the eight 500 kW Rental Power units that were used to power the computerized lighting show in the Sambódrom during Carnival in Rio.

The rental arrangements for the Carnival in Rio were spearheaded by the Cummins Power Generation office in São Paulo, Brazil. More than 27 Rental Power units were set up at five locations to provide power for the Carnival. The units were running 18–20 hours a day, four days straight.

#### **Exceptional reliability**

Cummins Power Generation provides reliable Rental Power for critical special events. Our state-of-the-art, quiet, fuel-efficient Rental Power units have been meticulously maintained by factory-trained Cummins Power Generation technicians. Local, personal service from the Cummins Power Generation network of distributors keeps things running smoothly.

Even getting ready for the event had to be strategically planned. Routine testing of the units and lighting had to be done after midnight during the week prior to the events.

For more information about Rental Power or other energy solutions, contact your local Cummins Power Generation distributor or visit [www.cumminspower.com/rental](http://www.cumminspower.com/rental).

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