



# STUDIO GENERATOR

**Dependable Studio Power**



**The name you can trust when the show must go on.**

[www.multiquip.com](http://www.multiquip.com)

<b>MODEL</b>	<b>SG1400</b>
<b>Size</b>	
L x W x H in. (cm)	100 x 48 x 89 (254 x 122 x 226)
Approx Net Wt lbs. (kg)	5,900 (2,676)
<b>Amps</b>	
120/208 3ø Line Amps/Total Amps	466/1400
277/480 3ø Line Amps/Total Amps	253/759
120/240 1ø Line Amps/Total Amps	538/1076
<b>Generator</b>	
Make/Model	Marathon 431RSI4007
Continuous kVA Rating @ 120/208 3ø	200 kVA
Generator RPM	1800
Available Voltages	277/480 3ø, 120/208 3ø, 120/240 1ø Voltages available through selector switch
Available Armature Connections	277/480 3ø High Wye, 120/208 3ø Low Wye, 120/240 1ø zig zag
Voltage Regulation (No Load to Full Load)	±1%
Power Factor	0.8
Frequency	60 Hz
Frequency Regulation (Steady State Load)	±0.25%
Insulation	Class H
<b>Diesel Engine</b>	
<b>Cummins QSB7-G5</b>	
Emissions	Tier 3
Starting System	Electric
Design	4 cycle Direct Injection Turbocharged Charge Air Cooled
Displacement Liter (in <sup>3</sup> )	6.69 (408)
No. of Cylinders	6
Prime Power (HP)	279
Fuel Consumption	
full load gph (lph)	13.3 (64)
3/4 load gph (lph)	10.6 (40)
1/2 load gph (lph)	7.6 (30)
1/4 load gph (lph)	4.0 (15)
Battery	24VDC
<b>Optional Trailers</b>	
<b>TRLR1400AE</b>	
Dimensions in. (cm)	180 x 72 x 23.5 (457 x 183 x 60)
Approx Net Wt lbs. (kg)	2,640 (1,197)
No. of Axles	Tandem axle, electric or hydraulic brakes
Fuel Tank Capacity Gal. (liters)	150 (567.81)

The technically-advanced, yet operator-friendly, SG 1400 studio generator is designed specifically for the entertainment industry to reduce noise and increase reliability. The unit features a microprocessor-based digital controller providing a color graphic display and remote monitoring capability for a truly state-of-the-art control package. The updated controller can also remotely monitor and operate the generator through a simple wireless internet connection. A variable-speed hydraulic fan drive is used to allow the fan to spin slowly under smaller loads providing more efficient airflow while reducing noise. The Cummins™ engine is equipped with an isochronous electronic governor providing precise frequency control of ± 0.25 percent, as well as an all-aluminum housing to eliminate excess weight.

## Features and Benefits

- Powerful graphic display featuring multifunctional IntelliVision 5 digital controller
- Control noise and temperature with variable-speed hydraulic fan
- Increased reliability with over sized cooling system
- Camlocks, Bates and Edison receptacles
- Extremely quiet design featuring a Phillips and Temro silencer
- Ultra quiet insulated aluminum housing with automotive paint finish
- Polished aluminum base
- Reliable Cummins engine, QSB7-G5 Tier 3 TPEM
- Industry proven Marathon alternator with PMG excitation
- Remote monitoring with optional Modem and Telematics
- Optional paralleling capability
- Single panel output bus
- Optional trailer



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