



John Deere Diesel Direct Coupled to 1800 RPM Brushless Generator

- Brushless generators
- Factory tested
- Revolving field class H, 125°C temperature rise generator
- 1% voltage regulation
- Unit mounted radiator with fan guard
- Rubber isolators between unit and base for vibration free operation
- Lifting eyes for easy handling
- Absence of brush gear and high quality AVR ensures low levels of radio interference
- Generators meet the requirements of BS5000 part 3, VDE0530, UTE5100, NEMA MGI-22, CEMA, IE34-1, CSA22.2, and AS1359



Standard Equipment

- Batteries and battery cables
- Battery charging alternator
- Automatic trickle charger
- Engine jacket water heater
- Engine oil and anti-freeze
- Exhaust system (includes muffler, stainless steel bellows connector, rain cap, clamps and 5 feet of exhaust pipe)

DISPLAY | MASTER 4 Controller Standard Features

- Rugged solid state microprocessor design
- 16 character, 2 line backlit LCD display
- Easy keypad programming of all set points, password protected for security
- Remote start/stop capability
- Accurate digital readout of AC volts, amps, phase, frequency, kW, kVA, power factor, battery volts, runtime hours, oil pressure and water temperature
- Indicator lights for normal operation, pre-alarm and fault conditions
- Indicator light for remote start signal
- All shutdowns display on screen until system is reset
- Audible alarm for shutdowns and/or pre-alarms
- 6 user configurable dry contact relay outputs (readily available plug-in relays optional)
- 8 user configurable digital inputs
- Plug-in connectors for easy circuit board replacement
- System Lock feature disables starting of generator for maintenance purposes (requires password to unlock)

Pre-alarms

- Low engine temperature, high engine temperature, low oil pressure, over speed, high battery volts, low battery volts, unit not in auto

Shutdowns

- High engine temperature, low oil pressure, low coolant level, over speed, over crank, no speed signal, emergency stop, weak battery

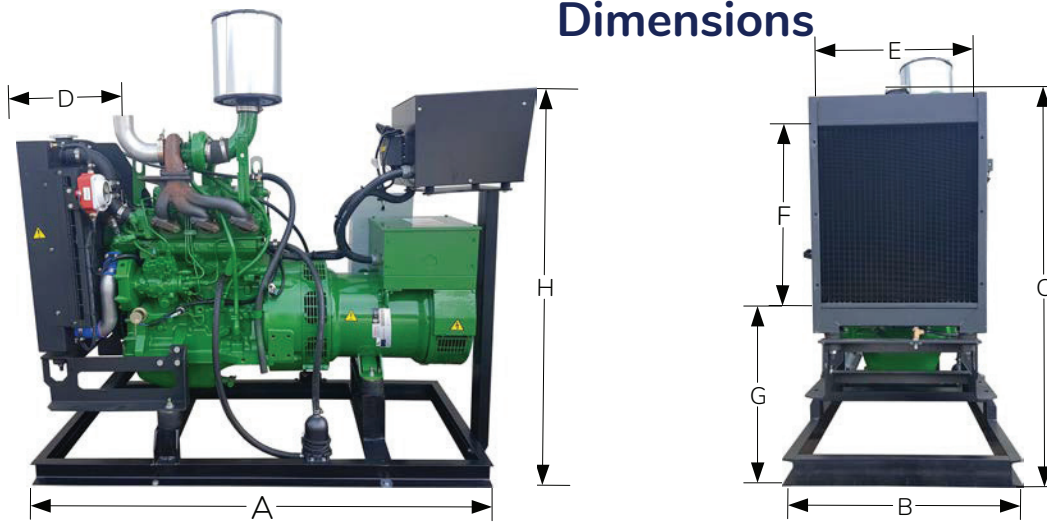
Optional Equipment

- Automatic transfer switches
- Dual wall sub base fuel tanks
- Enclosures
- Trailers
- Main breaker
- Automatic idle for warmup and cooldown
- Permanent magnet generator (PMG) system (provides 300% short circuit withstanding capability)
- Over current sensing, shutdown and display
- Low fuel pre-alarm, shutdown and display
- 29 light remote annunciator with dry relay contacts for all pre-alarms and faults
- Low oil level pre-alarm or shutdown with display
- Pre-alarm and fault relay contacts 10 amp

Model Selection

Model	KW	KVA	Phase	Volts	RPM	Amps	Breaker Size
1D030JI4	30	30	1	120/240	1800	125	125A
2D030JI4	30	37.5	3	120/208	1800	104	100A
6D030JI4	30	37.5	3	347/600	1800	36	40A

Dimensions



Model	A	B	C	D	E	F	G	H	Total Wt.
30 kW	58	26.5	44.5	12	17.75	19.75	20.5	47.5	1450 lbs.

Specifications

INTERIM TIER 4 Emissions	Units of Measurement	30 kW
Engine Model		3029TFG89
Horsepower		47
Type		3 cyl. Inline
Aspiration		Turbocharged
Bore x Stroke	mm (inches)	106 x 110 (4.2 x 4.3)
Displacement	litres (cubic inches)	2.9 (177)
Compression Ratio		17.2:1
Fuel Consumption 100% Load	Litre/hr (US gal/hr)	9.88 (2.61)
Fuel Consumption 75% Load	Litre/hr (US gal/hr)	7.52 (1.98)
Fuel Consumption 50% Load	Litre/hr (US gal/hr)	5.17 (1.36)
Battery Size	(Cranking Amps)	31A (950)
Oil Capacity	Litres (US gal)	N/A
Coolant Capacity	Litres (US gal)	N/A
Thermostat Range	°C (°F)	82-95 (180-203)
Max Pressure Cap	kpa (psi)	N/A
Intake Air Flow	m ³ /min (cfm)	3.6 (127)
Exhaust Gas Temperature	°C (°F)	580 (1076)
Exhaust Gas Flow	m ³ /min (cfm)	8.3 (293)
Heat Rejection to Coolant	BTU/min	N/A
Ambient Capacity of Radiator	°C (°F)	N/A
Max Allowable Back Pressure on Exhaust	kpa (in Hg)	7.5 (2.21)
Air Flow Required Through Radiator	m ³ /min (cfm)	N/A



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Authorized Dealer Stamp: