



BALDOR®



Mobile Power

1800 RPM Diesel

Standby Power Ratings

60HZ	48 kVA	38 kW
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Prime Power Ratings

60HZ	44 kVA	35 kW
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Made in USA
Generator available
with or without trailer

Baldor Mobile Power Generator Features

- Brushless alternator for long life, low maintenance
- Voltage regulation 1/2%
- 60 Hertz frequency
- Industrial grade Tier 2 John Deere engine
- Glow plugs
- Fuel/water separator
- Electronic governor
- Digital Controller with analog gauges. Automatic safety shutdowns with digital readouts for low oil pressure, high water temp, engine overcrank and engine overspeed. Low fuel level shutdown (user select), battery disconnect switch, voltage adjust pot.
- Analog gauges and meters for engine oil pressure, coolant temp., battery volts, and generator output volts, hertz, amps with phase select
- Illuminated instrumentation panel
- Main Circuit breaker for main power connection
- Circuit breakers for single phase receptacles
- Single phase receptacles are powered during all main voltage configurations
- Heavy gauge steel sound attenuated enclosure with internally mounted muffler. Durable powder coat paint finish. Pad lockable doors
- Single point lifting eye
- Long run, internal, single wall XLPE fuel tank
- 6 bolts to remove generator from trailer
- Premium grade DOT approved tandem axle highway trailer featuring: Torsion bar suspension, diamond plate aluminum fenders, front leveling jack, running lights, hydraulic brakes, lighted license plate bracket
- Generator available with trailer (TS45T) or without trailer (TS45S)
- 3" pintle hitch
- Battery included
- Warranty:
 - limited 3 year warranty
 - 1 year or 3000 hours parts and labor
 - 3 year or 3000 hours parts

Options

- Block heater
- Battery charger
- Shore power inlet for easy connection to block heater or battery charger
- Electric brakes
- 2" or 2-5/16" ball hitch coupler
- Automatic transfer switches
- Generator without trailer

Generator Specifications – Preliminary

Standby Output 150°C Rise	kVA/kW
Single phase @ 240V	27/27
3 phase @ 208V	46/37
3 phase @ 240V	46/37
3 phase @ 480V	48/38
Prime Output 125°C Rise	kVA/kW
Single phase @ 240V	25/25
3 phase @ 208V	44/35
3 phase @ 240V	44/35
3 phase @ 480V	44/35
Amperage (Standby Rating)	Amps
Single phase amperage @ 240/120V	112/2X112
3 phase amperage @ 208V	128
3 phase amperage @ 240V	111
3 phase amperage @ 480V	57
Voltage-3 phase adjustable 208/220/240/416/440/460/480	
Voltage-Single phase adjustable 120/127/139/240/254/277	
3 phase Power Factor	0.8
Voltage Regulation	1/2%
Frequency	60 Hertz
Total Harmonic Distortion	< 5%
Insulation	Class H

Engine Specifications

Manufacturer	John Deere
Model	5030TF270
Cylinders	5
Induction system	Turbocharged
Displacement, L (cu. in.)	3.0L (186)
EPA Emissions Level	Tier 2
HP @ rated speed	80
RPM	1800
Bore and stroke	3.4" x 4.1"
Lubrication capacity (with filter)	11.8 Qts
Battery recommendation (min. cold cranking amps) ...	925
<ul style="list-style-type: none"> - Battery, battery rack and cable supplied - Spin-on oil filter - Thermostat controlled liquid cooling system - 12V engine alternator - 12V starter motor 	

Ratings: - **Standby Ratings:** Standby ratings are applicable for supplying emergency power for the duration of a utility power outage. No overload capability for standby rating. Standby ratings in accordance with ISO 3046, BS55114, DIN 6271. **Prime Power Rating:** Prime power is the maximum power available for continuous duty. A 10% overload capacity is available for 1 hour out of 12 hours of operation. Manufacturer reserves the right to implement specifications or design changes without notice. **WARNING:** Do not connect generator to any building's electrical system unless a disconnect switch has been installed.

Distributed by:

Receptacle Specifications

120 Volt 20 Amp Duplex GFCI	3
120/240 Volt 50 Amp Twistlock (CS6369)	3
Two wire remote start capability	Yes

Fuel System Specifications

Fuel Consumption Standby Rating	GPH
1/2 load	1.8
Full load	3.7
Approximate Run Time	Hours
1/2 load	44
Full load	22
Fuel Capacity	
Gallons	80
Fuel	Diesel

Weights and Dimensions

Weight without fuel	3695
Weight without fuel and without trailer	2855
Dimensions with trailer (L x W x H) ..	146" x 62" x 88"
Dimensions without trailer (L x W x H) .	84" x 38" x 66"

Sound Level

Sound level dB(A)	67
7 meters, full load	

Other Features

Start/Stop/Auto Switch, Alarm Horn, Voltage Adjust Pot, Battery Disconnect Switch, Trailer Side Markers and Running Lights.

BALDOR

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