

Mobile Power

1800 RPM Diesel

Standby Power Ratings

60HZ	37 kVA	30 kW
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Prime Power Ratings

60HZ	33 kVA	27 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 Interim Tier 4 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), controller power 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 single axle highway trailer featuring: Torsion bar suspension, plastic corrosive resistant fenders, front leveling jack, running lights, hydraulic brakes, lighted license plate bracket
- Generator available with trailer (TS35T) or without trailer (TS35S)
- 2" ball hitch coupling
- 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
- 2-5/16" ball hitch coupler or 3" pintle
- Automatic transfer switches
- Generator without trailer

Generator Specifications – Preliminary

Standby Output 150°C Rise	kVA/kW
Single phase @ 240V	25/25
3 phase @ 208V	37/30
3 phase @ 240V	37/30
3 phase @ 480V	37/30
Prime Output 125°C Rise	kVA/kW
Single phase @ 240V	22/22
3 phase @ 208V	33/27
3 phase @ 240V	33/27
3 phase @ 480V	33/27
Amperage (Standby Rating)	Amps
Single phase amperage @ 240/120V	104/2X104
3 phase amperage @ 208V	104
3 phase amperage @ 240V	90
3 phase amperage @ 480V	45
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	4024TF281
Cylinders	4
Induction system	Turbocharged
Displacement, L (cu. in.)	2.4L (149)
EPA Emissions Level	Interim Tier 4
HP @ rated speed	48
RPM	1800
Bore and stroke	3.4" x 4.1"
Lubrication capacity (with filter)	8.5 Qts
Battery recommendation (min. cold cranking amps)	675
- 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:



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Receptacle Specifications

120 Volt 20 Amp Duplex GFCI	2
120/240 Volt 50 Amp Twistlock (CS6369)	2
Two wire remote start capability	Yes

Fuel System Specifications

Fuel Consumption Standby Rating	GPH
1/2 load	1.4
Full load	2.8
Approximate Run Time	Hours
1/2 load	36
Full load	18
Fuel Capacity	
Gallons	50
Fuel	Diesel

Weights and Dimensions

Weight without fuel	2700
Weight without fuel and without trailer	2210
Dimensions with trailer (L x W x H)	137" x 62" x 71"
Dimensions without trailer (L x W x H)	74" x 38" x 54"

Sound Level

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

Other Features

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