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G100

Mobile Generators



Proven rugged design delivers exceptional power

The G100 is a durable, sound attenuated diesel generator that provides mobile prime power for larger construction, commercial, industrial, special event and emergency management applications where quiet, reliable power is needed. The digital controller monitors and protects the generator and engine. The standard environmentally friendly features include a 115% fluid containment, crankcase oil vapor recovery system, no mess oil and radiator drain hoses and fast fuel fill system that minimizes fuel spill potential.

- Brushless alternators with separate excitation and AVR (Automatic Voltage Regulation) provide excellent motor starting and an enhanced ability to run non-linear loads.
- Simple, one switch start for easy operation and easy voltage selection using a lockable voltage selection switch.
- Rated power up to 120°F (49°C) for optimum performance even in hot climates. For cold climates, add many of the factory installed options like the cold weather package or battery chargers, etc.
- Easy to use keypad for service diagnostics; engine diagnostic codes display on the LCD readout simplifying engine troubleshooting, fuel consumption, percentage load, kW per hour and other data available.
- Also available, heavy-duty, dual axle trailers with aluminum diamond plate fenders are road ready with DOT lighting, chains height adjustable coupler and choice of surge or electric brakes.



Technical specifications

	G100 (T4F)	G100 (T4i)	G100 (T3) 600V- Canada Only	G100 (T3)
Dimensions				
L x W x H Operating (Skid) in	110 x 45 x 66.3	110 x 45 x 66.3	110 x 45 x 64.5	110 x 45 x 64.5
L x W x H Shipping (Skid) in	113 x 47.5 x 78.4	113 x 47.5 x 78.4	113 x 47.5 x 76.6	113 x 47.5 x 76.6
L x W x H Shipping/Operating (Trailer) in	176 x 80 x 91.8	176 x 80 x 91.8	176 x 80 x 90	176 x 80 x 90
Weights				
Weight Dry (Skid) lb	5,141	4,804	4,832	4,699
Weight Operating (Skid) lb	6,241	6,242	6,270	6,137
Weight Shipping (Skid) lb	5,328	4,991	5,019	4,886
Weight Operating (Trailer) lb	7,611	7,612	7,640	7,507
Weight Shipping (Trailer) lb	6,511	6,174	6,202	6,069
Operating data				
Trailer coupling Type	Pintle	Pintle	Pintle	Pintle
Standby output kW	88	88	88	88
Prime output kW	80	80	80	80
Voltage - AC 3 Phase V	240/480	240/480	240/480/600	240/480
Current - 3 Phase (Prime) A	240/120	240/120	240/120/96	240/120
Current - AC 1 Phase A	120/240	120/240	120/240	120/240
Voltage - 3 Phase V	208, 220, 240, 416, 440, 480 Switchable	208, 220, 240, 416, 440, 480	208, 220, 240, 416, 440, 480, 600	208, 220, 240, 416, 440, 480
Voltage - 1 Phase V	120, 127, 139, 240, 254, 277 Adjustable Voltage	120, 127, 139, 240, 254, 277	120, 127, 139, 240, 254, 277, 346	120, 127, 139, 240, 254, 277
Circuit breaker (Main) A	250	250	250	250
Frequency Hz	60	60	60	60
Power factor 1 Phase cos Φ 1~	1	1	1	1
Power factor 3 Phase cos Φ 3~	0.8	0.8	0.8	0.8
Sound level (LwA) at Prime (23 ft / 7 m) dB(A)	69.4	69.7	69.4	69.4
Receptacles -20 Amp GFI Duplex	2	2	2	2
Receptacles -50 Amp Twist Lock	3	3	3	3
Engine / Motor				



	G100 (T4F)	G100 (T4i)	G100 (T3) 600V- Canada Only	G100 (T3)
Engine / Motor	Liquid-Cooled, 4 Cylinders	Liquid-Cooled, 4 Cylinders	Liquid-Cooled, 4 Cylinders	Liquid-Cooled, 4 Cylinders
Engine / Motor manufacturer	Cummins QSB5-G11	Cummins	John Deere	John Deere
Emissions Certified	Tier 4 Final	Tier 4i	Tier 3	Tier 3
Displacement in ³	275	272	275	275
Operating performance ISO 3046 hp	169	147		
Operating performance SAE J1995, ISO 8528-1 hp			133	133
at rpm rpm	1,800	1,800	1,800	1,800
Coolant Capacity US qt	24	36	23.8	23.8
Engine oil Capacity US qt	15.3	15.3	15.9	15.9
Fuel type	Diesel	Diesel	Diesel	Diesel
Fuel consumption (Prime Load) US gal/h	5.8	6	6.2	6.2
Tank capacity -Fuel US gal	187.6	199.8	199.8	199.8
Quantity (Battery)	2	2	1	1
Battery V	12	12	12	12
Generator model	Mecc Alte ECP 34-S2/4	Mecc Alte, Brushless w/AVR	Mecc Alte, Brushless w/AVR	Mecc Alte, Brushless w/AVR
Voltage control No Load to Full Load +/- %	1	1	1	1
Voltage control Steady State +/- %	0.2	0.2	0.2	0.2
Generator insulation (class)		H	H	H
Frequency (Generator Speed) Hz	60	60	60	60
Runtime at 100% Prime Load h	30.1	30.6	29.7	29.7
Runtime at 75% Prime Load h	38.8	38.4	36.7	36.7
Runtime at 50% Prime Load h	53.3	51.2	50.1	50.1
Runtime at 25% Prime Load h	82.3	75.6	93.5	93.5
DEF Type	AUS 32			
DEF Consumption US gal/h	0.26			
DEF Tank Capacity US gal	8.7			
Runtime h	31.4			



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Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions.

Subject to alterations and errors excepted. Applicable also to illustrations.

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