



**WACKER  
NEUSON**  
*all it takes!*

## G120

Mobile Generators



### **Rugged and reliable power anywhere, anytime.**

The G120 is big on power and features to meet your market and job site needs. This durable, sound attenuated diesel generator 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 charger, 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



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adjustable coupler and choice of surge or electric brakes.



**Technical specifications**

|  | <b>G120 (T3)</b>             | <b>G120 (T4i)</b>            |
|--|------------------------------|------------------------------|
| <b>Dimensions</b>                              |                              |                              |
| L x W x H Operating (Skid) in                  | 110 x 45 x 64.5              | 110 x 45 x 66.3              |
| L x W x H Shipping (Skid) in                   | 113 x 47.5 x 76.6            | 113 x 47.5 x 78.4            |
| L x W x H Shipping/Operating (Trailer) in      | 176 x 80 x 90                | 176 x 80 x 90                |
| <b>Weights</b>                                 |                              |                              |
| Weight Dry (Skid) lb                           | 4,725                        | 4,830                        |
| Weight Operating (Skid) lb                     | 6,163                        | 6,268                        |
| Weight Shipping (Skid) lb                      | 4,912                        | 5,017                        |
| Weight Operating (Trailer) lb                  | 7,533                        | 7,638                        |
| Weight Shipping (Trailer) lb                   | 6,095                        | 6,200                        |
| <b>Operating data</b>                          |                              |                              |
| Trailer coupling Type                          | Pintle                       | Pintle                       |
| Standby output kW                              | 106                          | 106                          |
| Prime output kW                                | 96                           | 96                           |
| Voltage 3 Phase V                              | 240/480                      | 240/480                      |
| Current 3 Phase (Prime) A                      | 289/145                      | 289/145                      |
| Current 1 Phase (Prime) A                      | 120/240                      | 120/240                      |
| Voltage 3 Phase V                              | 208, 220, 240, 416, 440, 480 | 208, 220, 240, 416, 440, 480 |
| Voltage 1 Phase V                              | 120, 127, 139, 240, 254, 277 | 120, 127, 139, 240, 254, 277 |
| Circuit breaker (Main) A                       | 350                          | 350                          |
| Frequency Hz                                   | 60                           | 60                           |
| Power factor 1 Phase cos $\Phi$ 1~             | 1                            | 1                            |
| Power factor 3 Phase cos $\Phi$ 3~             | 0.8                          | 0.8                          |
| Sound level (LwA) at Prime (23 ft / 7 m) dB(A) | 70.6                         | 69.8                         |
| Receptacles -20 Amp GFI Duplex                 | 2                            | 2                            |
| Receptacles -50 Amp Twist Lock                 | 3                            | 3                            |
| <b>Engine / Motor</b>                          |                              |                              |
| Engine / Motor                                 | Liquid-Cooled, 4 Cylinders   | Liquid-Cooled, 4 Cylinders   |
| Engine / Motor manufacturer                    | John Deere                   | Cummins                      |
| Emissions Certified                            | Tier 3                       | Tier 4i                      |
| Displacement in <sup>3</sup>                   | 275                          | 272                          |
| Operating performance ISO 3046 hp              |                              | 173                          |



|  | G120 (T3)                  | G120 (T4i)                 |
|--|----------------------------|----------------------------|
| Operating performance SAE J1995, ISO 8528-1 hp | 158                        |                            |
| at rpm rpm                                     | 1,800                      | 1,800                      |
| Coolant Capacity US qt                         | 23.8                       | 36                         |
| Engine oil Capacity US qt                      | 15.9                       | 15.3                       |
| Fuel type                                      | Diesel                     | Diesel                     |
| Fuel consumption (Prime Load) US gal/h         | 7.44                       | 7                          |
| Tank capacity -Fuel US gal                     | 199.8                      | 199.8                      |
| Quantity (Battery)                             | 1                          | 2                          |
| Battery V                                      | 12                         | 12                         |
| Generator model                                | Mecc Alte, Brushless w/AVR | Mecc Alte, Brushless w/AVR |
| Voltage control No Load to Full Load +/- %     | 1                          | 1                          |
| Voltage control Steady State +/- %             | 0.2                        | 0.2                        |
| Generator insulation (class)                   | H                          | H                          |
| Frequency (Generator Speed) Hz                 | 60                         | 60                         |
| Runtime at 100% Prime Load h                   | 24.8                       | 26.3                       |
| Runtime at 75% Prime Load h                    | 31                         | 33.4                       |
| Runtime at 50% Prime Load h                    | 43.4                       | 45.3                       |
| Runtime at 25% Prime Load h                    | 81.5                       | 69.2                       |

**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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