

FSA20-EQU18.0, ITEM# 125
Group: GENERATOR: 150kW Mobile Generator Package
WACKER NEUSON G180 MOBILE GENERATOR SHERIFF'S CONTRACT WORKSHEET

5200010138	G180 GENERATOR, STD, T4F
5000620315	TRAILER-MGT4S, SURGE BRAKES , DUAL AXLE
5200005765	BATTERY CHARGER



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G180

Mobile Generators



Durable, reliable power for all applications

The G 180 mobile generator provides all the power needed for larger applications. The durable sound-attenuated generator is an excellent choice for larger applications where quiet mobile, prime power is needed. Used for construction, commercial, industrial, special event and emergency management applications. The T4i model is especially suited for areas requiring BAT (Best Available Technology) to meet the most stringent EPA, CARB air standards. A digital controller monitors and protects the generator and engine while providing continuous operating data on an easy to read LCD display. Large fuel tank provides convenient, long run times.

- Brushless oversized alternators and separate excitation winding and AVR (Automatic Voltage Regulation) provide superior motor starting and enhanced ability to run non-linear loads.
- Single switch start and simple uncluttered control panel provide unmatched ease of use.
- Easy voltage selection using a lockable voltage selector switch reduces connection errors.
- Standard environmentally friendly "green" features include 115% fluid containment, crankcase oil vapor recovery system, no mess oil and radiator drain hoses/valves and fast fuel fill system (50 gpm).
- Heavy-duty, tandem-axle trailers with aluminum diamond plate fenders are road ready with DOT lighting, chains, height adjustable coupler, choice of surge or electric brakes.



Technical specifications

	G180 (T3)	G180 (T4i)	G180 (T4F)	G180 (T3) 600V- Canada Only
Dimensions				
L x W x H Operating (Skid) in	132 x 52 x 68	132 x 52 x 70.5	132 x 52 x 72.5	132 x 52 x 68
L x W x H Shipping (Skid) in	135.5 x 54.5 x 81.5	135.5 x 54.5 x 84	135.5 x 54.5 x 86	135.5 x 54.5 x 81.5
L x W x H Shipping/Operating (Trailer) in	199 x 84.5 x 99	199 x 84.5 x 100.5	199 x 84.5 x 102.5	199 x 84.5 x 99
Weights				
Weight Dry (Skid) lb	6,213	6,154	6,754	6,315
Weight Operating (Skid) lb	8,313	8,254	9,234	8,415
Weight Shipping (Skid) lb	6,580	6,521	7,121	6,682
Weight Operating (Trailer) lb	9,793	9,734	10,714	9,895
Weight Shipping (Trailer) lb	7,693	7,634	8,234	7,795
Operating data				
Trailer coupling Type	Pintle	Pintle	Pintel	Pintle
Standby output kW	157	157	157	150
Prime output kW	143	143	143	143
Voltage 3 Phase V	240/480	240/480	240/480	240/480/600
Current 3 Phase (Prime) A	240/480	430/215	430/215	390/206/172
Current 1 Phase (Prime) A	120/240	120/240	120/240	120/240
Voltage 3 Phase V	208, 220, 240, 416, 440, 480	208, 220, 240, 416, 440, 480	208, 220, 240, 416, 440, 480	208, 220, 240, 416, 440, 480, 600
Voltage 1 Phase V	120, 127, 139, 240, 254, 277	120, 127, 139, 240, 254, 277	120, 127, 139, 240, 254, 277	120, 127, 139, 240, 254, 277, 346
Circuit breaker (Main) A	500	500	500	500
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)	69.9	71	70.5	69.9
Receptacles -20 Amp GFI Duplex	2	2	2	2
Receptacles -50 Amp Twist Lock	3	3	3	3
Engine / Motor				



	G180 (T3)	G180 (T4i)	G180 (T4F)	G180 (T3) 600V- Canada Only
Engine / Motor	Liquid-Cooled, 6 Cylinders	Liquid-Cooled, 6 Cylinders	Liquid-Cooled, 6 Cylinders	Liquid-Cooled, 6 Cylinders
Engine / Motor manufacturer	John Deere	Cummins	Cummins	John Deere
Emissions Certified	Tier 3	Tier 4i	Tier 4F	Tier 3
Displacement in ³	415	409	409	415
Operating performance ISO 3046 hp		256	241	
Operating performance SAE J1995, ISO 8528-1 hp	237			237
at rpm rpm	1,800	1,800	1,800	1,800
Coolant Capacity US qt	30.4	31	65.2	30.4
Engine oil Capacity US qt	34.3	18.5	18.5	34.3
Fuel type	Diesel	Diesel	#1/#2 ULSD	Diesel
Fuel consumption (Prime Load) US gal/h	10.8	10.6	10.4	10.8
Tank capacity -Fuel US gal	291.7	291.7	304.4	291.7
Quantity (Battery)	1	2	2	1
Battery V	12	12	12	12
Generator model	Mecc Alte, Brushless w/AVR	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	H
Frequency (Generator Speed) Hz	60	60	60	60
Runtime at 100% Prime Load h	25	25.4	27.3	25
Runtime at 75% Prime Load h	32.2	32.8	35.5	32.2
Runtime at 50% Prime Load h	44	45.3	50.7	44
Runtime at 25% Prime Load h	86.1	71.3	88.8	86.1
DEF Type			AUS 32	
DEF Consumption US gal/h			0.41	
DEF Tank Capacity US gal			37.4	
Runtime DEF 100% Prime Load h			86.6	



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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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