

# NIGHT-LITE™

## GR-SERIES



Model	Diesel	Chain
Engine Make	Yanmar	N/A
Engine Model	L70W	N/A
Engine Induction	Naturally Aspirated	N/A
Combustion Type	Direct Injection	N/A
Engine Displacement	0.320 L	N/A
Number of Cylinders	1	N/A
Engine Cooling	Air-Cooled	N/A
EPA Emissions Certified	Tier 4 Final	N/A
Type of After-Treatment	DOC	N/A
Continuous Output @ Rated Speed	5.8 HP (4.3 kW) @ 3,600 RPM	N/A
Standby Output @ Rated Speed	6.4 HP (4.8 kW) @ 3,600 RPM	N/A
Engine Speed	3,600 RPM	N/A
Engine Protection	Low Oil Pressure	N/A
Engine Oil Capacity	3.25 qt	N/A
Engine Oil Type	Full Synthetic 5W-40 Must be CK-4 Certified	N/A
Engine Electrical System Voltage	12V	N/A
Engine Charge Alternator	13V-15A	N/A
Battery Size	Group 24	N/A
Battery CCA	550	N/A
Battery Ah	N/A	N/A
Starter	Electric	N/A
Maximum Operating Temperature*	120°F	120°F
Minimum Operating Temperature*	-20°F	-40°F
Fuel Quality Requirement	ULSD	N/A
Oil & Filter Service Interval**	1000	N/A
Air Filter Service Interval	Refer to Engine Op Manual	N/A
Engine Control Panel	Internally Mounted	N/A
Engine Start	Deep Sea L401	N/A
Generator Manufacturer	Linz	N/A
Generator Model	SP10SE (Brushless)	N/A
Voltage Type	AC Output	N/A
Voltage Frequency AC	60 Hz	
Rated Power Factor	1.0	N/A
Regulation Type	Capacitor	N/A
Voltage Regulation	± 5%	N/A
Insulation Class	H	N/A
Stator Winding	Single Layer w/ Aux Winding	N/A

\* Must use full synthetic 5W-40 to achieve these operating temperatures. \*\* Oil must be checked prior to operation and refilled if necessary. Oil and oil filter must be changed after the initial 50 hours of runtime

Model	Diesel	Chain
Rotor Winding	w/ Damping Cage	N/A
THD @ Full Load	< 6%	N/A
THD @ No Load	< 5%	N/A
Continuous Prime Power	3.0 kW	N/A
Voltage Single Phase AC	120V	N/A
Amperage Single Phase 120VAC	25A	N/A
Main Breaker Protection	25A Main Breaker	15A & 20A Main Breaker 20A Distribution Switch (Chain vs No Chain)
Outlet Package	Outlet - Single 120V / 20A GFI	Outlet - 120V / 20A (NEMA 5-20R) GFI Duplex Inlet - 120V / 15A (NEMA 5-15R) (No Chain) (OR) Inlet - 120V / 20A (NEMA L5-20P) (Chain)
Light Switches	4 - 5A Switches	
Electrical Compliance	N/A	CSA
Fluid Containment	N/A	
Fuel Tank Size (gal)	48	N/A
Fuel Tank Fill Port Size	3.5" OD (2.5" ID)	N/A
Fuel Tank Material	Cross-linked Polyethylene	N/A
Fuel Tank Certifications	N/A	N/A
Fuel Level Gauge	Externally Mounted by Fill Neck	N/A
Fuel Consumption @ 250W LED Load	.19 gal/hr	N/A
Fuel Consumption @ 350W LED Load	.22 gal/hr	N/A
Fuel Consumption @ 350W Diesel + 250W Chain Load	.30 gal/hr	N/A
Fuel Consumption @ Full Load (3kW)	.36 gal/hr	N/A
Run Time @ 250W LED Load	258 Hours	N/A
Run Time @ 350W LED Load	213.12 Hours	N/A
Run Time @ 350W Diesel + 250W Chain Load	164.78 Hours	N/A
Run Time @ Full Load (3kW)	134.53 Hours	N/A
Sound Level @ 23 ft [7m] (NO LOAD)	73.2 dBA	0 dBA
Sound Level @ 23 ft [7m] (LED LOAD)	73.4 dBA	0 dBA
Sound Level @ 23 ft [7m] (FULL LOAD)	74.1 dBA	0 dBA
Axle Weight - Dry (lbs)	855 lbs	695 lbs
Axle Weight - Wet (lbs)	1,115 lbs	N/A
Tongue Weight - Dry (lbs)	115 lbs	140 lbs
Tongue Weight - Wet (lbs)	175 lbs	N/A
Net Weight - Dry (lbs)	970 lbs	835 lbs
Net Weight - Wet (lbs)	1,290 lbs	N/A
Trailer GVWR (lbs)	1,500 lbs	1,200 lbs
Trailer Chassis Construction	Welded Steel with Side Fork Pockets & Lifting Eye	
Trailer Electrical Connector	4 Flat	
Transport Canada Compliant	Conforms to Canadian Motor Vehicle Safety Standards	
Trailer Lighting	LED	
Standard Trailer Coupler	2" Ball Coupler	
Tongue Type	Steel - Foldable w/ Dual Pins	
Tire Size	ST175/80R13	
Towing Speed	65 MPH	65 MPH
Length (Tongue Down)	102.25 in	
Length (Tongue Up)	82.5 in	

Model	Diesel	Chain
Width (Outriggers Stowed)	48.25 in	
Width (Outriggers Extended)	94.5 in	
Height (Tower Stowed)	98.5 in	
Height (Tower Extended)	23 ft	
Wind Speed	55 MPH	50 MPH
Shipping - 48' Flatbed	20	
Shipping - 53' Flatbed	22	
Tower Type	Steel - Vertical	
Tower Raise	Two Handle Manual Winch	
Tower Rotation	359°	
Tower Finish	Powder Coat	
Outriggers	3 Point	
Enclosure Type	Steel w/ Lockable Door	
Enclosure Finish	Powder Coat	Powder Coat
Fender Material	Thermo-formed Plastic	
Light Type - 4 Lights	SMD LED	
Light Wattage	350W Standard	250W
LED Type	Surface Mounted Diode (SMD)	
Light Color Temperature	5,000K	
Driver Frequency	50-60 Hz	
Driver Efficiency	92-93%	
LED Life	50,000 Hours	
Light Certifications	CSA IP67/IP69	
Light Output - Per Lamp	51,122 Lumens	38,081 Lumens
Light Output - Total	204,488 Lumens	152,324 Lumens
Lumens / Watt	146.0	152.3
Light Coverage 0.5 fc @ 80° Light Angle	41,850 ft <sup>2</sup>	40,410 ft <sup>2</sup>