



NIGHT-LITE PRO II[®]

LD-SERIES

Model	Mitsubishi L3E	Kubota D1005	CAT C1.1	Perkins 403F-11	Int'l Mitsubishi L3E	Int'l Kubota D1005	Int'l CAT C1.1	Int'l 50 Hz Mitsubishi L3E	Int'l 50 Hz Kubota D1005	Int'l 50 Hz CAT C1.1	
Lamps											
Number of Lamps	4				4						
Metal Halide Lamp Wattage (Per Lamp)	1,250 W				1,250 W			1,000 W			
Metal Halide Lamp Lumens (Per Lamp)	135,500 lm				135,500 lm			110,000 lm			
Operating Time (4 Lamps, Metal Halide)*	50.0 hr	48.4 hr	50.0 hr	50.0 hr	50.0 hr	48.4 hr	50.0 hr		63.8 hr	65.5 hr	
LED Lamp Type (Dip, Smd, Cob, Other)	Chip On Board (COB)				Chip On Board (COB)						
LED Color Temperature	5,000 K				5,000 K						
LED Lamp Wattage (Per Lamp)	320 W				320 W						
LED Lamp Lumens (Per Lamp)	38,500 lm				38,500 lm						
Operating Time (4 Lamps, LED)*	81.1 hr	103.4 hr	78.9 hr	78.9 hr	81.1 hr	103.4 hr	78.9 hr				
Lamp Circuit Breaker Type and Amperage	15 A Hydraulic/Magnetic				15 A Hydraulic/Magnetic						
Lamp Position Adjustment (Tool-Less, Method)	Metal Halide Lamps - Freely rotating left-right & up-down on nylon washers. LED Lamps - Freely rotating left-right & up-down on nylon washers with spring locking pin to hold up-down position.				Metal Halide Lamps - Freely rotating left-right & up-down on nylon washers. LED Lamps - Freely rotating left-right & up-down on nylon washers with spring locking pin to hold up-down position.						
Mast Orientation Options	Laydown Mast				Laydown Mast						
Vertical Mast Wind Rating (MPH)	53				53						
Lay-Down Mast Rotation	355°				355°						
Lay-Down Maximum Mast Height	29 ft 2 in				29 ft 2 in						
Lay-Down - Number of Mast Sections	3				3						
Lay-Down Mast Construction and Material	Tubular Steel				Tubular Steel						

*Based on one hour run test full fuel tank consumption. Allmand has a policy of continuous improvement and reserves the right to modify its specifications at any time without prior notice. See operator's manual or www.allmand.com website for complete warranty details.

Model	Mitsubishi L3E	Kubota D1005	CAT C1.1	Perkins 403F-11	Int'l Mitsubishi L3E	Int'l Kubota D1005	Int'l CAT C1.1	Int'l 50 Hz Mitsubishi L3E	Int'l 50 Hz Kubota D1005	Int'l 50 Hz CAT C1.1	
Control Detail											
Engine-Generator Control Interface	Start / Stop / Run Switch				Start / Stop / Run Switch						
Lamp Control	Sequenced Light Control (SLS 1.1)				Sequenced Light Control (SLS 1.1)						
Mast Control	Manual Crank-Type Winch				Manual Crank-Type Winch						
Control Display Outputs (Hourmeter, Etc.)	Hourmeter				Hourmeter						
Engine Detail											
Engine Make	Mitsubishi	Kubota	Caterpillar	Perkins	Mitsubishi	Kubota	Caterpillar	Mitsubishi	Kubota	Caterpillar	
Engine Model	L3E	D1005	C 1.1	403F-11	L3E	D1005	C 1.1	L3E	D1005	C 1.1	
Engine Induction	Naturally Aspirated				Naturally Aspirated						
Engine Displacement	1.0 L		1.1 L		1.0 L		1.1 L	1.0 L		1.1 L	
Number of Cylinders	3				3						
Type of After-Treatment	None				None						
Mechanical Output (Prime) at Rated Speed**	11.3 hp (8.4 kW) @ 1,800 RPM	11.6 hp (8.7 kW) @ 1,800 RPM	13.8 hp (10.3 kW) @ 1,800 RPM		11.3 hp (8.4 kW) @ 1,800 RPM	11.6 hp (8.7 kW) @ 1,800 RPM	13.8 hp (10.3 kW) @ 1,800 RPM	8.3 hp (6.2 kW) @ 1,500 RPM	9.7 hp (7.2 kW) @ 1,500 RPM	11.3 hp (8.4 kW) @ 1,500 RPM	
Engine Speed @ MAX Load	1,800 RPM				1,800 RPM			1,500 RPM			
Engine Speed @ No Load	1,870 - 1,900 RPM	1,800 to 1925 RPM	1,800 RPM		1,870 - 1,900 RPM	1,800 to 1925 RPM	1,800 RPM	1,500 - 1600 RPM		1,500 RPM	
Acceptable Fuel Types (Engine Only)	Ultra Low Sulfur Diesel (ULSD)				ULSD Recommended (0.0015% Sulfur) - Will Run On Diesel With 0.05% to 0.5% Sulfur						
Fuel Consumption @ Full Load	0.51 GPH	0.55 GPH	0.65 GPH		0.51 GPH	0.55 GPH	0.65 GPH	0.42 GPH	0.47 GPH	0.49 GPH	
Fuel Run Time @ Full Load	58.8 hr	54.5 hr	46.3 hr		58.8 hr	54.5 hr	46.3 hr	71.3 hr	63.8 hr	61.8 hr	
Engine Oil Capacity	1.2 gal	1.35 gal	1.27 gal		1.2 gal	1.35 gal	1.27 gal	1.2 gal	1.35 gal	1.27 gal	
Oil Change Interval	750 hr	1,000 hr			750 hr	1,000 hr		750 hr	1,000 hr		
Engine Cooling System Capacity	1.25 gal	1.24 gal	1.11 gal		1.25 gal	1.24 gal	1.11 gal	1.25 gal	1.24 gal	1.11 gal	
Maximum Ambient Operating Temperature at Full Output	104 °F (40 °C)	120 °F (49 °C)	118 °F (48 °C)	118 °F (48 °C)	104 °F (40 °C)	120 °F (49 °C)	118 °F (48 °C)	104 °F (40 °C)	120 °F (49 °C)	118 °F (48 °C)	
Electrical System Voltage	12 VDC				12 VDC						
Battery Size	Group 24				Group 24						
Battery	550 CCA @ 0° F				550 CCA @ 0° F						
Alternator Detail											
Output Phase and Voltage	1-phase 120/240 VAC				1-phase 120/240 VAC						
Power Output Rating (Prime Power)***	6 kW (6 kVA)	7 kW (7 kVA)	8 kW (8 kVA)		6 kW (6 kVA)	7 kW (7 kVA)	8 kW (8 kVA)	5 kW (5 kVA)	6 kW (6 kVA)		
Armature Connection	4 lead, series connected for 240 V, single phase				4 lead, series connected for 240 V, single phase						
Number of Poles	4 Poles 1,800 RPM 60 Hz				4 Poles 1,800 RPM 60 Hz			4 Poles 1,500 RPM 50 Hz			
Insulation	NEMA MG1 Class "H"				NEMA MG1 Class "H"	NEMA MG1 Class "F"		NEMA MG1 Class "H"	NEMA MG1 Class "F"		
Excitation	Capacitor Type				Capacitor Type						
Voltage Regulation %	Capacitor type generator Voltage Regulation depends on engine speed and loading. Voltage set at Allmand +/- 5% Frequency set at Allmand +/- 5%				Capacitor type generator Voltage Regulation depends on engine speed and loading. Voltage set at Allmand +/- 5% Frequency set at Allmand +/- 5%						


All power levels are stated gross horsepower, as rated by the engine manufacturer. *Prime generator electrical output per Allmand testing.

Model	Mitsubishi L3E	Kubota D1005	CAT C1.1	Perkins 403F-11	Int'l Mitsubishi L3E	Int'l Kubota D1005	Int'l CAT C1.1	Int'l 50 Hz Mitsubishi L3E	Int'l 50 Hz Kubota D1005	Int'l 50 Hz CAT C1.1
Weights and Dimensions										
Gross Vehicle Weight Ratings - GVWR		2,200 lb						2,200 lb		
Length - Transport Position		176.5 in						176.5 in		
Width		50.5 in						50.5 in		
Track Width		41.5 in						41.5 in		
Lowered Tower Height - Transport Position		70.1 in						70.1 in		
Truck Load Shipping Quantities - 48' Flatbed		12 units						12 units		
Truck Load Shipping Quantities - 53' Flatbed		12 units						12 units		
Container Load Shipping Quantities - 40'		22 units						22 units		
Trailer Detail										
Standard Trailer Coupler	adjustable height combination 2" ball coupler, 3" lunette ring for pintle hitch				adjustable height combination 2" ball coupler, 3" lunette ring for pintle hitch					
Optional Trailer Couplers	adjustable height combination 2" Bulldog coupler with 3" lunette ring for pintle hitch				adjustable height combination 2" Bulldog coupler with 3" lunette ring for pintle hitch					
Electrical Connector	4-way flat connector				4-way flat connector					
Outrigger Quantity	two retractable side outriggers at front of trailer one pivoting jack at center-rear of trailer				two retractable side outriggers at front of trailer one pivoting jack at center-rear of trailer					
Leveling Jack Load Capacity	Outrigger & Tongue Jacks - 2,000 lb				Outrigger & Tongue Jacks - 2,000 lb					
Tire Size	ST175/80D13 Load Range 'C'				ST175/80D13 Load Range 'C'					
Axle Type	Tubular design				Tubular design					
Axle Quantity	1				1					
Body Detail										
Fluid Containment	Optional - Steel containment tray with rear drain				Optional - Steel containment tray with rear drain					
Fuel Tank Size (gal)	30				30					
Fuel Tank Material & Construction	Rotationally Molded Polyethylene				Rotationally Molded Polyethylene					
Fuel fill port size	1.82 in dia				1.82 in dia					
Enclosure (Material & Gauge)	Side covers - Reaction Injection Molded (RIM) Polydicyclopentadiene (pDCPD) Rear Panel & Stringer - 7 ga Steel Other panels - 12 ga Steel				Side covers - Reaction Injection Molded (RIM) Polydicyclopentadiene (pDCPD) Rear Panel & Stringer - 7 ga Steel Other panels - 12 ga Steel					
Door Hinge Material	Steel hinge and hinge pin				Steel hinge and hinge pin					
Fork Pockets / Lifting Eyes	2 lateral fork pockets under laydown mast when in transport position Lifting eye at top of laydown mast when in transport position				2 lateral fork pockets under laydown mast when in transport position Lifting eye at top of laydown mast when in transport position					

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Compliance & Certifications										
Fluid Containment	110% available with certain options				110% available with certain options					
Conforms to Code of Federal Regulations 49 CFR	Conforms to the Code of Federal Regulations 49 CFR Transportation Subtitle B. Chapter V. National Highway Traffic Safety Administration, Department of Transportation - Parts 565, 566, 567 and 571.				Conforms to the Code of Federal Regulations 49 CFR Transportation Subtitle B. Chapter V. National Highway Traffic Safety Administration, Department of Transportation - Parts 565, 566, 567 and 571.					
CSA Listed	Certificate Of Compliance No. 1088975 available with certain options				Certificate Of Compliance No. 1088975 available with certain options					
Transport Canada Compliant	Conforms to Canadian Motor Vehicle Safety Standards				Conforms to Canadian Motor Vehicle Safety Standards					
EPA Tier Level - Engine	Tier 4 Final				Tier 4 Final					
Limited Warranty Coverage****										
Body, Trailer, Lamps & Controls	1 year parts and labor 2 years parts only				1 year parts and labor 2 years parts only					
1,250 W Ballast	2 years parts and labor				2 years parts and labor					
Engine	2 years or 2,000 hrs whichever comes first 3 years or 3,000 hrs whichever comes first on major components	2 years or 2,000 hrs whichever comes first 3 years or 3,000 hrs whichever comes first on major components	2 years or 2,000 hrs whichever comes first	2 years or 2,000 hrs whichever comes first	2 years or 2,000 hrs whichever comes first 3 years or 3,000 hrs whichever comes first on major components	2 years or 2,000 hrs whichever comes first 3 years or 3,000 hrs whichever comes first on major components	2 years or 2,000 hrs whichever comes first	2 years or 2,000 hrs whichever comes first 3 years or 3,000 hrs whichever comes first on major components	2 years or 2,000 hrs whichever comes first 3 years or 3,000 hrs whichever comes first on major components	2 years or 2,000 hrs whichever comes first
Alternator	18 months from Invoice to Allmand, or 12 months or 1,000 hrs whichever comes first from date of end user installation				18 months from Invoice to Allmand, or 12 months or 1,000 hrs whichever comes first from date of end user installation	12 months from first use of the product, or 18 months from date of manufacture of the product, whichever comes first		18 months from Invoice to Allmand, or 12 months or 1,000 hrs whichever comes first from date of end user installation	12 months from first use of the product, or 18 months from date of manufacture of the product, whichever comes first	

****Go to allmand.com for warranty details.

Model	Mitsubishi L3E	Kubota D1005	CAT C1.1	Perkins 403F-11	Int'l 60 Hz Mitsubishi L3E	Int'l 60 Hz Kubota D1005	Int'l 60 Hz CAT C1.1 - 4 Prong Twistlock	Int'l 60 Hz CAT C1.1 - 3 Prong Twistlock	Int'l 50 Hz Mitsubishi L3E	Int'l 50 Hz Kubota D1005	Int'l 50 Hz CAT C1.1
Available Options											
LED	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FCS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Arctic Package	✓	✓	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Arctic Max Package	✓	✓	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Air Shutoff	N/A	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LSC	N/A	✓	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2" Bulldog Coupler	✓	✓	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Balloon Light	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A
Switchable Balloon Light	✓	✓	✓	✓	✓	✓	✓	✓	N/A	N/A	N/A
Skid Mount	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Battery Disconnect (Metal Halide)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Battery Disconnect (LED)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CSA (Metal Halide)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CSA (LED)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Galvanized Tower	✓	✓	✓	✓	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Marathon Alternator	✓	✓	✓	✓	✓	Standard	Standard	Standard	✓	Standard	Standard
Custom Paint Color	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

 is an option
 Standard is equipt on the unit