Allmand®

NIGHT-LITE PRO II®

V-SERIES

Model	Mitsubishi L3E	Kubota D1005	Kubota D1105	CAT C1.1	Perkins 403F-11	Int'l Kubota D1005	Int'l CAT C1.1	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	47.6 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	83.3 hr	78.9 hr	78.9 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. Light Arms - Freely rotating up to 180° with spring locking pin to hold position and adjustable lever to lock in position. Light Bar - Freely rotating with spring locking pin to hold 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. Light Arms - Freely rotating up to 180° with spring locking pin to hold position and adjustable lever to lock in position. Light Bar - Freely rotating with spring locking pin to hold position.			
Mast Orientation Options	Vertical Mast					Vertical Mast			
Vertical Mast Wind Rating (MPH)	53					53			
Light Bar Rotation	355°					355°			
Vertical Maximum Mast Height	26 ft 7 in					26 ft 7 in			
Vertical - Number of Mast Sections	6					6			
Vertical -Mast Construction and Material	Tubular Steel					Tubular Steel			
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	Electro-Hydraulic					Electro-Hydraulic			
Control Display Outputs (Hourmeter, Etc.)	Hourmeter					Hourmeter			

*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.

TECHNICAL SPECS

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Engine Detail									
Engine Make	Mitsubishi	Kubota		Caterpillar	Perkins	Kubota	Caterpillar	Kubota	Caterpillar
Engine Model	L3E	D1005	D1105	C 1.1	403F-11	D1005	C 1.1	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 kWm) @ 1,800 RPM	11.6 Hp (8.7 kWm) @ 1,800 RPM	11.6 Hp (8.7 kWm) @ 1,800 RPM	13.8 Hp (10.3 kWm) @ 1,800 RPM		11.6 Hp (8.7 kWm) @ 1,800 RPM	13.8 Hp (10.3 kWm) @ 1,800 RPM	9.7 Hp (7.2 kWm) @ 1,500 RPM	11.3 Hp (8.4 kWm) @ 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		1,800 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	0.63 GPH	0.65 GPH		0.55 GPH	0.65 GPH	0.47 GPH	0.49 GPH
Fuel Run Time @ Full Load	58.8 hr	54.5 hr	47.8 hr	46.3 hr		54.5 hr	46.3 hr	63.8 hr	61.8 hr
Engine Oil Capacity With Filter	4.8 qt	5.4 qt		5.1 qt		5.4 qt	5.1 qt	5.4 qt	5.1 qt
Oil Change Interval	750 hr	1,000 hr				1,000 hr			
Engine Cooling System Capacity	5.0 qt			4.4 qt		5.0 qt	4.4 qt	5.0 qt	4.4 qt
Maximum ambient operating temperature at full output	104 °F (40 °C)	120 °F (49 °C)		118 °F (48 °C)		120 °F (49 °C)	118 °F (48 °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)			7 kW (7 kVA)	8 kW (8 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 "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.

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Weights and Dimensions									
Gross Vehicle Weight Ratings - GVWR	2200 lb					2200 lb			
Length - Transport Position	119.8 in					119.8 in			
Width	50.5 in					50.5 in			
Track Width	41.5 in					41.5 in			
Height with Tower Lowered - Transport Position	99.3 in					99.3 in			
Truck Load Shipping Quantities - 48' flatbed	16 units					16 units			
Truck Load Shipping Quantities - 53' flatbed	18 units					18 units			
Container Load Shipping Quantities - 40'	20 units					20 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 connetor					4-way flat connetor			
Outrigger quantity	two retractable side outiggers at front of trailer one pivoting jack at center-rear of trailer					two retractable side outiggers at front of trailer one pivoting jack at center-rear of trailer			
Leveling jack load capacity	Outrigger, Center-rear & Tongue Jacks - 2,000 lb					Outrigger, Center-rear & 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 Axle					1 Axle			
Body Detail									
Fluid Containment	Standard - Steel containment tray with rear drain					Standard - 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 in stringer Lifting eye at top of stringer					2 lateral fork pockets in stringer Lifting eye at top of stringer			
Compliance & Certifications									
Fluid Containment	110%					110%			
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			

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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 hr whichever comes first 3 years or 3,000 hr whichever comes first on major compo-nents	2 years or 2,000 hr whichever comes first 3 years or 3,000 hr whichever comes first on major components	2 years or 2,000 hr whichever comes first 3 years or 3,000 hr whichever comes first on major components	2 years or 2,000 hr whichever comes first	2 years or 2,000 hr whichever comes first	2 years or 2,000 hr whichever comes first 3 years or 3,000 hr whichever comes first on major components	2 years or 2,000 hr whichever comes first	2 years or 2,000 hr whichever comes first 3 years or 3,000 hr whichever comes first on major components	2 years or 2,000 hr whichever comes first
Alternator	18 months from Invoice to Allmand,or 12 months or 1,000 hr 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 hr whichever comes first from date of end user instal-lation	12 months from first use of the product, or 18 months from date of manufacture of the product, whichever comes first			
Available Options									
LED	✓	✓	✓	✓	✓	✓	✓	✓	✓
FCS	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Arctic Package	✓	✓	✓	✓	✓	✓	✓	✓	✓
Arctic Max Package	✓	✓	✓	✓	✓	✓	✓	✓	✓
Air Shutoff	N/A	✓	✓	✓	N/A	N/A	N/A	N/A	N/A
LSC	N/A	✓	✓	✓	✓	N/A	N/A	N/A	N/A
2" Bulldog Coupler	✓	✓	✓	✓	✓	✓	✓	✓	✓
Balloon Light	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
Switchable Balloon Light	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
Skid Mount	✓	✓	✓	✓	✓	✓	✓	✓	✓
Battery Disconnect (Metal Halide)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Battery Disconnect (LED)	✓	✓	✓	✓	✓	✓	✓	✓	✓
CSA (Metal Halide)	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
CSA (LED)	✓	✓	✓	✓	✓	✓	✓	N/A	N/A
Galvanized Tower	✓	✓	✓	✓	✓	Standard	Standard	Standard	Standard
Marathon Alternator	✓	✓	✓	Standard	✓	Standard	Standard	Standard	Standard
Custom Paint Color	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ is an option

Standard is equipt on the unit

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