



MAXI-LITE[®]

Model	4-Light Kubota D1105	4-Light CAT C1.1	4-Light CAT C1.5T	4-Light Isuzu 4LE2T	6-Light Kubota D1105	6-Light CAT C1.1	6-Light CAT C1.5T	6-Light Isuzu 4LE2T
Lamps								
Number of Lamps	4				6			
Metal Halide Lamp Wattage (Per Lamp)	1,250 W				N/A	1,250 W		
Metal Halide Lamp Lumens (Per Lamp)	135,500 lm				N/A	135,500 lm		
Metal Halide Operating Time (4 Lamps)*	158.7 hr	166.7 hr	128.2 hr	137.0 hr	N/A			
Metal Halide Operating Time (6 Lamps)*	N/A					103.1 hr	113.6 hr	
LED Lamp Type (DIP, SMD, COB, Other)	Chip On Board (COB)							
LED Color Temperature	5,000 K							
LED Lamp Wattage (Per Lamp)	320 W							
LED Lamp Lumens (Per Lamp)	38,500 lm							
LED Operating Time (4 Lamps)*	277.8 hr	263.2 hr	217.4 hr	200.0 hr	N/A			
LED Operating Time (6 Lamps -If Available)*	N/A				222.2 hr	232.6 hr	185.2 hr	181.8 hr
Lamp Circuit Breaker Type and Amperage	15 A Hydraulic/Magnetic							
Lamp Position Adjustment (Tool-Less, Method)	<p>Metal Halide Lamps - Freely rotating left-right & up-down on nylon washers.</p> <p>LED Lamps - Freely rotating left-right & up-down on nylon washers with spring locking pin to hold up-down position.</p> <p>Light Arms - Freely rotating up to 180 degrees with spring locking pin to hold position and adjustable lever to lock in position.</p> <p>Light Bar - Freely rotating with spring locking pin to hold position.</p>				<p>LED Lamps - Freely rotating left-right & up-down on nylon washers with spring locking pin to hold up-down position.</p> <p>Light Arms - Freely rotating up to 180 degrees with spring locking pin to hold position and adjustable lever to lock in position.</p> <p>Light Bar - Freely rotating with spring locking pin to hold position.</p>		<p>Metal Halide Lamps - Freely rotating left-right & up-down on nylon washers.</p> <p>LED Lamps - Freely rotating left-right & up-down on nylon washers with spring locking pin to hold up-down position.</p> <p>Light Arms - Freely rotating up to 180 degrees with spring locking pin to hold position and adjustable lever to lock in position.</p> <p>Light Bar - Freely rotating with spring locking pin to hold position.</p>	
Mast Orientation Options	Vertical							
Vertical Mast Wind Rating (MPH)	53							
Vertical Mast Rotation	355°							
Vertical Maximum Mast Height	26 ft 10 in				26 ft 10 in		27 ft 10 in	
Vertical - Number of Mast Sections	6 tower sections							
Vertical - Mast Construction and Material	Tubular Steel							
Control Detail								
Engine-Generator Control Interface	Start / Stop / Run Switch & Hourmeter			DSE 4520 MK II	Start / Stop / Run Switch & Hourmeter			DSE 4520 MK II
Lamp Control	Sequenced Light Control (SLS 1.1)			DSE 4520 MK II	Sequenced Light Control (SLS 1.1)			DSE 4520 MK II
Mast Control	Electro-Hydraulic							


*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.

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Control Detail (continued)								
Control Display Outputs (Hourmeter, Etc.)	Hourmeter			Hourmeter Coolant Temperature Engine Oil Pressure Fuel Level Error Codes For Engine	Hourmeter			Hourmeter Coolant Temperature Engine Oil Pressure Fuel Level Error Codes For Engine
Engine Detail								
Engine Make	Kubota	Caterpillar		Isuzu	Kubota	Caterpillar		Isuzu
Engine Model	D1105	C1.1	C1.5T	4LE2T	D1105	C1.1	C1.5T	4LE2T
Engine Induction	Naturally Aspirated	Naturally Aspirated	Turbo-charged	Turbo-charged	Naturally Aspirated	Naturally Aspirated	Turbo-charged	Turbo-charged
Engine Displacement	1.1 L	1.1 L	1.5 L	2.2 L	1.1 L	1.1 L	1.5 L	2.2 L
Number of Cylinders	3			4	3			4
Type of After-Treatment	None			Diesel Oxidation Catalyst (DOC) Cooled Exhaust Gas Recirculation (EGR)	None			Diesel Oxidation Catalyst (DOC) Cooled Exhaust Gas Recirculation (EGR)
Mechanical Output (Prime) at Rated Speed**	11.6 hp (8.7 kWm) @ 1,800 RPM	13.8 hp (10.3 kWm) @ 1,800 RPM	22.3 hp (16.6 kWm) @ 1,800 RPM	40.2 hp (30.0kWm) @ 1,800 RPM	11.6 hp (8.7 kWm) @ 1,800 RPM	13.8 hp (10.3 kWm) @ 1,800 RPM	22.3 hp (16.6 kWm) @ 1,800 RPM	40.2 hp (30.0kWm) @ 1,800 RPM
Engine Speed @ MAX Load	1,800 RPM							
Engine Speed @ No Load	1,800 to 1925 RPM	1,800 RPM			1,800 to 1925 RPM	1,800 RPM		
Acceptable Fuel Types (Engine Only)	Ultra Low Sulfur Diesel (ULSD)							
Fuel Consumption @ Full Load	0.63 GPH	0.65 GPH	1.22 GPH	1.77 GPH	0.63 GPH	0.65 GPH	1.22 GPH	1.77 GPH
Fuel Run Time @ Full Load	159.4 hr	154.4 hr	81.7 hr	56.5 hr	159.4 hr	154.4 hr	81.7 hr	56.5 hr
Engine Oil Capacity	1.35 gal	1.27 gal	1.75 gal	2.87 gal	1.35 gal	1.27 gal	1.75 gal	2.87 gal
Oil Change Interval	1000 hr	1000 hr	500 hr	250 hr	1000 hr	1000 hr	500 hr	250 hr
Engine Cooling System Capacity	1.24 gal	1.11 gal	1.61 gal	3.07 gal	1.24 gal	1.11 gal	1.61 gal	3.07 gal
Maximum ambient operating temperature at full output	120 °F (49 °C)	118 °F (48 °C)	118 °F (48 °C)	115 °F (46 °C)	120 °F (49 °C)	118 °F (48 °C)	118 °F (48 °C)	115 °F (46 °C)
Electrical System Voltage	12 VDC							
Battery Size	Group 24							
Battery	550 CCA @ 0 °F							
Alternator Detail								
Output Phase and Voltage	1-phase 120/240 VAC							
Power Output Rating (Prime Power)***	8 kW (8 kVA)		15 kW (15 kVA)	20 kW (20 kVA)	8 kW (8 kVA)		15 kW (15 kVA)	20 kW (20 kVA)
Armature Connection	4 lead, series connected for 240 V, single phase							
Number of Poles	4 Poles 1,800 RPM 60 Hz							
Insulation	NEMA MG1 Class "F"		NEMA MG1 Class "H"	NEMA MG1 Class "F"			NEMA MG1 Class "H"	NEMA MG1 Class "F"
Excitation	Capacitor excited		Integral brushless excitation system with 3 phase, full wave rotating rectifier assembly		Capacitor excited		Integral brushless excitation system with 3 phase, full wave rotating rectifier assembly	
Voltage Regulation %	Capacitor type generator Voltage Regulation depends on engine speed and loading. Voltage set at Allmand +/- 5% Frequency set at Allmand +/- 5%		0.01		Capacitor type generator Voltage Regulation depends on engine speed and loading. Voltage set at Allmand +/- 5% Frequency set at Allmand +/- 5%		0.01	

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	5000 lb							
Length - Transport Position	126 in							
Width	77 in							
Track Width	67.5 in							
Lowered Tower Height - Transport Position	105 in							
Truck Load Shipping Quantities - 48' flatbed - 4 Light	7 units							
Truck Load Shipping Quantities - 48' flatbed - 6 Light	7 units							
Truck Load Shipping Quantities - 53' flatbed - 4 Light	7 units							
Truck Load Shipping Quantities - 53' flatbed - 6 Light	7 units							
Container Load Shipping Quantities - 40'	7 units							
Trailer Detail								
Standard Trailer Coupler	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 5/16" Bulldog coupler with 3" lunette ring for pintle hitch							
Electrical Connector	7 Pin Connector							
Outrigger quantity	two retractable side outriggers at front of trailer two retractable rear outriggers at rear of trailer							
Leveling jack load capacity	Outrigger & Tongue Jacks - 2,000 lb							
Tire Size	ST225/75R15 Load Range 'D'							
Axle Type	Tubular design							
Axle Quantity	1 Axle							
Trailer Brake Type	Electric with Breakaway Brakes (STD)							
Body Detail								
Fluid Containment	Standard - integral with chassis							
Fuel Tank Size (Gal)	100							
Fuel Tank Material & Construction	Rotationally Molded Polyethylene							
Fuel fill port size	2.72 in dia							
Enclosure (Material & Gauge)	Steel - 12 ga doors and stringer, 14 ga quarter panels and front panels, 7 ga rear panel							
Door Hinge Material	Steel hinge and hinge pin							
Fork Pockets / Lifting Eyes	2 lateral fork pockets Lifting eye at top of stringer							
Compliance & Certifications								
Fluid Containment	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.							
CSA Listed	Certificate Of Compliance No. 1088975 available with certain options							
Transport Canada Compliant	Conforms to Canadian Motor Vehicle Safety Standards							
EPA Tier Level - Engine	Tier 4 Final							
Limited Warranty Coverage****								
Body, Trailer, Lamps & Controls	1 year parts and labor 2 years parts only							
1,250 W Ballast	2 years parts and labor				Not Applicable		2 years parts and labor	

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Limited Warranty Coverage (continued)****								
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	2 years or 2,000 hrs whichever comes first	3 years or 3,000 hrs whichever comes first 2 years or 2,000 hrs whichever comes first on electrical / electronic items, fuel system and turbocharger components 5 years or 5,000 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 2 years or 2,000 hrs whichever comes first on electrical / electronic items, fuel system and turbocharger components 5 years or 5,000 hrs whichever comes first on major components
Alternator	18 months from Invoice to Allmand, or 12 months or 1,000 hrs whichever comes first from date of end user installation							
Available Options								
LED Fixtures	✓	✓	✓	✓	Standard	Standard	✓	✓
Cold Weather Package	✓	✓	✓	✓	✓	✓	✓	✓
Arctic Package	✓	✓	✓	✓	✓	✓	✓	✓
Arctic Max Package	✓	✓	✓	N/A	✓	✓	✓	N/A
Air Shutoff	✓	✓	✓	✓	✓	✓	✓	✓
LSC	✓	✓	✓	N/A	✓	✓	✓	N/A
Emergency Stop	✓	✓	✓	Standard	✓	✓	✓	Standard
Low Fuel Beacon	✓	✓	✓	Standard	✓	✓	✓	Standard
Chip Resistant Panels	✓	✓	✓	✓	✓	✓	✓	✓
Interior Light	✓	✓	✓	✓	✓	✓	✓	✓
2" Bulldog Coupler	✓	✓	✓	✓	✓	✓	✓	✓
2-5/16" Bulldog Coupler	✓	✓	✓	✓	✓	✓	✓	✓
Balloon Light	✓	✓	✓	✓	N/A	N/A	N/A	N/A
Switchable Balloon Light	✓	✓	✓	✓	N/A	N/A	N/A	N/A
CSA (Metal-Halide)	✓	✓	✓	✓	N/A	N/A	✓	✓
CSA (LED)	✓	✓	✓	✓	✓	✓	✓	✓
Mining Package	✓	✓	✓	✓	✓	✓	✓	✓
Battery Disconnect	✓	✓	✓	✓	✓	✓	✓	✓
Single 50A RV Outlet Package	N/A	N/A	✓	✓	N/A	N/A	✓	✓
Dual 50A RV Outlet Package	N/A	N/A	✓	✓	N/A	N/A	✓	✓
Galvanized Tower	✓	✓	✓	✓	✓	✓	✓	✓
3 Phase	N/A	N/A	N/A	✓	N/A	N/A	N/A	✓
Skid Mount	✓	✓	✓	✓	✓	✓	✓	✓
Custom Paint Color	✓	✓	✓	✓	✓	✓	✓	✓

 is an option
 Standard is equipt on the unit

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