



NIGHT-LITE™

V-SERIES

Model	Mitsubishi L3E	Kubota D1005	Perkins 403F-11	CAT C1.1	Int'l Mitsubishi L3E	Int'l Kubota D1005	Int'l 50Hz Kubota D1005
Lamps							
Number Of Lamps	4 Lamps				4 Lamps		
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)*	75.0 hr	72.6 hr	75.0 hr	75.0 hr	75.0 hr	72.6 hr	95.7 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)*	121.6 hr	155.2 hr	118.4 hr	118.4 hr	121.6 hr	155.2 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 Bar / Light Arms are not adjustable				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 Bar / Light Arms are not adjustable		
Mast Orientation Options	Vertical Mast				Vertical Mast		
Vertical Mast Wind Rating (MPH)	55				55		
Vertical Mast Rotation	355 degrees				355 degrees		
Vertical Maximum Mast Height	24 ft 7 in				24 ft 7 in		
Vertical - Number of Mast Sections	5 tower sections				5 tower sections		
Vertical - Mast Construction And Material	Tubular Steel				Tubular Steel		
Control Detail							
Engine-Generator Control Interface	Ignition Switch (button controlled controller with screen available with certain options)				Ignition Switch (button controlled controller with screen available with certain options)		
Lamp Control	Sequenced Light Control (SLS 1.1), Individual toggle switch circuit breakers				Sequenced Light Control (SLS 1.1), Individual toggle switch circuit breakers		
Mast Control	Manual Crank-Type Winch (toggle switch available with certain options)				Manual Crank-Type Winch (toggle switch available with certain options)		
Control Display Outputs (Hourmeter, etc.)	Hourmeter (fuel gauge available with certain options)				Hourmeter (fuel gauge available with certain options)		
Engine Detail							
Engine Make	Mitsubishi	Kubota	Perkins	Caterpillar	Mitsubishi	Kubota	
Engine Model	L3E	D1005	403F-11	C1.1	L3E	D1005	
Engine Induction	Naturally Aspirated				Naturally Aspirated		
Engine Displacement	1.0 L		1.1 L		1.0 L		

*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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Engine Detail (continued)							
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	13.8 hp (10.3 kWm) @ 1,800 RPM	11.3 hp (8.4 kWm) @ 1,800 RPM	11.6 hp (8.7 kWm) @ 1,800 RPM	9.7 hp (7.2 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 1,925 RPM	1,800 RPM	1,870 - 1,900 RPM	1,800 to 1,925 RPM	1,500 - 1,600 RPM	
Engine Control Panel	Start / Stop / Run Switch & Hourmeter			Start / Stop / Run Switch & Hourmeter			
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 *	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	0.47 GPH	
Fuel Run Time @ Full Load	88.2 hr	81.8 hr	69.2 hr	88.2 hr	81.8 hr	95.7 hr	
Engine Oil Capacity With Filter	4.8 qt	5.4 qt	5.1 qt	4.8 qt	5.4 qt		
Oil Change Interval	750 hr	1,000 hr		750 hr	1,000 hr		
Engine Cooling System Capacity	5.0 qt	5.0 qt	4.4 qt	5.0 qt	5.0 qt	5.0 qt	
Maximum ambient operating temperature at full output	104° F (40°C)	120° F (49°C)	118° F (48°C)	104° F (40°C)	120° F (49°C)	120° F (49°C)	
Electrical System Voltage	12 VDC			12 VDC			
Battery Size	Group 24			Group 24			
Battery (CCA)	550 CCA @ 0° F			550 CCA @ 0° F			
Alternator Detail							
Output Phase and Voltage	1-phase 120/240 VAC			1-phase 120/240 VAC			
Prime Power Output Rating***	6 kW (6 kVA)	7 kW (7 kVA)	8 kW (8 kVA)	6 kW (6 kVA)	7 kW (7 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; 1,500 RPM 50 Hz			4 Poles 1,800 RPM 60 Hz; 1,500 RPM 50 Hz			
Insulation	NEMA MG1 Class "F" (Class "H" available with certain options)			NEMA MG1 Class "F" (Class "H" available with certain options)			
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%			
NV - Noise, Vibration, Harshness							
Sound Level @ 23 ft (NO LOAD)	64.6 dBA	65.4 dBA	65.6 dBA	64.6 dBA	65.4 dBA	62.2 dBA	
Sound Level @ 23 ft (FULL LOAD)	67.5 dBA	65.8 dBA	69.5 dBA	67.5 dBA	65.8 dBA	62.5 dBA	
Weights and Dimensions							
Gross Vehicle Weight Ratings - GVWR	2,200 lb			2,200 lb			
Length - Transport Position	109.8 in			109.8 in			
Width	58 in			58 in			
Track Width	44.5 in			44.5 in			
Height With Tower Lowered - Transport Position	102.3 in			102.3 in			

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Weights and Dimensions (continued)							
Truck Load Shipping Quantities - 48' flatbed	18 units				18 units		
Truck Load Shipping Quantities - 53' flatbed	20 units				20 units		
Container Load Shipping Quantities - 40'	22 units				22 units		
Trailer Detail							
Standard Trailer Coupler	2" ball coupler				2" ball coupler		
Optional Trailer Couplers	adjustable height combination 2" Bulldog coupler with 3" lunette ring for pintle hitch adjustable height combination 2" ball coupler with 3" lunette ring for pintle hitch				adjustable height combination 2" Bulldog coupler with 3" lunette ring for pintle hitch adjustable height combination 2" ball coupler with 3" lunette ring for pintle hitch		
Trailer Electrical Connector	4-way flat connector				4-way flat connector		
Outrigger quantity	two retractable side outriggers at rear of trailer				two retractable side outriggers at 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 with leaf springs				Tubular design with leaf springs		
Axle Quantity	1 Axle				1 Axle		
Body Detail							
Fluid Containment	Optional - Polyethylene containment liner with bottom drain.				Optional - Polyethylene containment liner with bottom drain.		
Fuel Tank Size (gal)	45				45		
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)	Steel - 16 ga covers and door with 10 ga stringer				Steel - 16 ga covers and door with 10 ga stringer		
Door Hinge Material	Steel hinge and hinge pins				Steel hinge and hinge pins		
Fork Pockets / Lifting Eyes	2 lateral fork pockets. Lifting eye at top of stringer.				2 lateral fork pockets. 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		
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 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 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
Alternator	18 months from Invoice to Allmand, or 12 months or 1,000 hr whichever comes first from date of end user installation				18 months from Invoice to Allmand, or 12 months or 1,000 hr whichever comes first from date of end user installation		

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Available Options							
Auxiliary Power Outlet Configuration - Standard	1 - 20 A 120 V Duplex GFCI Receptacle (NEMA 5-20R) 1 - 30 A 240 V 3-Pole, 4-Wire Twist Lock Receptacle (NEMA L14-30R) 1 - 30 A 120 V 2-Pole, 3-Wire RV Receptacle (NEMA TT-30R)				1 - 20 A 120 V Duplex GFCI Receptacle (NEMA 5-20R) 1 - 30 A 240 V 3-Pole, 4-Wire Twist Lock Receptacle (NEMA L14-30R) 1 - 30 A 120 V 2-Pole, 3-Wire RV Receptacle (NEMA TT-30R)		2 - 15 A 240 V Shuko Receptacles (CEE 7/4) (EU1-16R)
LED Fixtures	✓	✓	✓	✓	✓	✓	✓
Electric Winch	✓	✓	✓	✓	✓	✓	✓
Fluid Containment System	✓	✓	✓	✓	✓	✓	✓
Arctic Package	✓	✓	✓	✓	✓	✓	✓
Light Sequence Commander	N/A	✓	✓	✓	N/A	✓	✓
Fuel Gauge	✓	✓	✓	✓	✓	✓	✓
Battery Disconnect	✓	✓	✓	✓	✓	✓	✓
Reversible Coupler	✓	✓	✓	✓	✓	✓	✓
2" Bulldog Coupler	✓	✓	✓	✓	✓	✓	✓
CSA Metal-Halide	✓	✓	✓	✓	N/A	N/A	N/A
CSA LED	✓	✓	✓	✓	N/A	N/A	N/A
Galvanized Tower	✓	✓	✓	✓	STANDARD	STANDARD	STANDARD
Coliseum Alternator	✓	✓	✓	✓	✓	✓	✓
Custom Paint Color	✓	✓	✓	✓	✓	✓	✓

 is an option

 Standard
 is equipt on the unit