

<b>MANUFACTURER MODEL</b>	<b>Doosan Portable Power LCV6WKUB-60HZ-T4F</b>
<b>ENGINE</b>	TIER 4F
Make	KUBOTA
Model	D1005BG
Cooling	WATER
BHP @ Rated Speed	13.1 @ 1,800
RPM	1,800
Fuel Consumption (gph): Full-load	DIESEL .50 GPH
Fuel Consumption (gph): 4 Metal Halide Lights	DIESEL .44 GPH
Fuel Capacity (gal/l)	52.4 / 198.4
Runtime Hours: Full-load	105
Runtime Hours: 4 Metal Halide Lights	119
Engine Oil Capacity with filter (US Quarts/Liters)	5.4 / 5.11
Coolant Capacity (US Gallons/Liters)	1.125 / 4.6
Altitude Limits (ft /m)	13,500/4,115 @ 6.0 kW
<b>GENERATOR</b>	
Type	Single bearing/Brushless
Output (kW)	6
Frequency (Hz)	60
Suitable for Lights	4 MAX
Voltages	120
Receptacle	(1) 20 amp; 120 V Duplex with GFCI
<b>DIMENSIONS – TRAVEL POSITION</b>	
Overall Length (in/mm) Drawbar Up	82 / 2,083
Overall Length (in/mm) Drawbar Extended	109 / 2,769
Overall Width (in/mm)	55 / 1,397
Track Width (in/mm)	47.4 / 1,206
Overall Height (in/mm) Tower lowered	102 / 2,591
Tire Size (in)	13"
Shipping Weight (lb/kg) no fuel	1,309 / 595
Working Weight (lb/kg) with fuel	1,669 / 758

## STANDARD FEATURES

### ENGINE FEATURES

- Kubota diesel engine is emission certified to EPA Tier-4-final standards and provides the optimum mix of performance and fuel economy.
- Two-stage, heavy-duty, dry type air cleaner with replaceable element located inside the unit
- 12-volt electrical system
- Water-cooled cooling system
- 1,000-hour engine service interval (applicable in North, Central and South America)

### PACKAGE FEATURES

- Ambient operating temperature range -10 to 128° F (-23 to 53° C) without cold weather start package
- Average noise level at 7 meters per EPA with (4) 1,050-watt lamps: 67.2dBA with muffler
- Rated to 65 mph (104 Km/h) wind speeds with tower fully extended
- Three-point mounting of engine/generator
- Three-point leveling jack system
- Heavy-duty, 2,200 lb. rated leaf-spring axle with 13" tires
- US DOT/Federal MVSS 49CFR571 compliant trailer
  - Two tail lights for running brake and turn signals
  - Side marker lights and reflectors
  - License plate light
  - 4-pin flat trailer-to-vehicle connector
- Removable, resilient polyethylene fenders
- Single point, external lifting bail, tested to 5 times operating weight, and fork lift slots
- Engine mounted pusher fan (cool box)
- Enclosure:
  - Aerodynamic and light-weight
  - Resin-injected molded canopy; two-piece design
  - Steel frame
  - Foldable drawbar
- 52.6-gallon fuel tank with external fill-port

### TOWER FEATURES

- Five-section black steel, telescoping, vertical tower with 359° of rotation, internally coated to prevent rust and corrosion
- 23' extended; 102" retracted
- Single-handle, 1,500 lb. manual winch
- Vertical design allows for more efficient transport with 17 units per 48' flatbed truck

### FLOODLIGHT FEATURES

- Four (4) 1,050-watt metal halide lamps providing 440,000 lumens to illuminate 5-7 acres
- Glass lens for thermal and impact shock-resistance
- Anodized aluminum reflector inside cast aluminum housing
- Lamp end supports to prevent damage from shock and vibration

#### GENERATOR FEATURES

- Output 6 kW @ 60 Hz
- Single-phase, brushless, synchronous, and self-regulated
- Single-bearing, continuous-duty rated, Class H insulation
- Receptacle: (1) 20A; 120V Duplex with GFCI

#### ELECTRICAL SYSTEM

- Circuit breaker protected ballasts
- Main breaker for alternator protection
- Retracting lamp power cord reduces the chance of damage
- Weather-resistant floodlight connections
- Standard 520CCA battery

#### INSTRUMENTS AND CONTROLS

- Weather-resistant
- Single-motion starting
- Two 30A switches for controlling lamps in pairs
- Digital hour meter

#### SAFETY FEATURES

- Fan guard meets OSHA requirements
- GFCI protection on 120V outlet
- Front and rear reflectors; trailer and lighting complies with US DOT/Federal MVSS 49CRF571
- Automatic safety shutdowns; low oil pressure & high coolant temperature
- Towing safety chains with safety hooks and four-point shipping tiedowns
- Operating and maintenance manuals
- Operating and safety decals
- Unit certified by independent lab to comply with ETL/CSA standards

#### OPTIONAL EQUIPMENT--FACTORY INSTALLED

- (1) 25A; 240V twist-lock receptacle
- 2<sup>nd</sup> 20A; 120V duplex receptacle
- Battery disconnect switch
- Electric winch
- Four 15A switches for individual lamp control
- Electronic control panel: all standard machine operations controllable from electronic controller; also includes auto-start timer/scheduler, dusk-to-dawn operation, and fuel-level readout with fuel shutdown options
- Engine block heater
- Four LED lamps: runtime with LED only - 210 hours
  - Lumens: 43,000
  - Color temperature: 5,000K (+/- 300)
  - Color rendering index: +70
  - Life @ L70: 50,000 hours
  - Modules: 4 per fixture
  - Rated Power: 290 watts per fixture
- Combination Hitch: 2" ball coupler and 2.5" pintle eye
- Special paint colors available – contact factory

### WARRANTY:

Doosan Portable Power (DPP) warrants to its authorized dealers, who in turn warrant to the initial user, and direct customers, that each light tower manufactured by it will be free from defects in material and workmanship for a period of twenty-four (24) months from the date of shipment to the initial user, the accumulation of 2,000 hours of service by the initial user, or thirty (30) months from the date of delivery from the factory to the dealer, whichever is earliest.

### DIMENSIONS:

in (mm)





