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WANCO PORTABLE LIGHT TOWERS

(Dated: 08-05-2011)

All specifications subject to change without notice.

1.0 SCOPE AND MODEL NUMBERS

The purpose of this specification is to describe all the standard Wanco Portable Light Towers in detail. Basic models described vary by the engine type:

Kohler Lombardini engine models

WLTC4L

Kubota engine models

WLTC4K

Both basic models are equipped with four 1000W metal halide lamps. The following codes are used in the derived model numbers:

CODE		DESCRIPTION	EXAMPLE
Generator			
5	-	50Hz	WLTC4L5
6	-	60Hz	WLTC4L6
Winches			
M	-	Manual winch	WLTC4K6M
P	-	Power winch	WLTC4K6P
Frame			
T	-	Trailer	WLTC4L5MT
Color			
O	-	Orange	WLTC4L5MT0
W	-	White	WLTC4L5MTW

2.0

CONSTRUCTION

Trailer	MIG welded, unibody-style frame. Four tie-down loops on outer corners. All joints have continuous welds.
Maintenance panel.....	Hinged top panel for access to engine, generator, and electrical components. It lifts with winch-operated mast for improved accessibility for maintenance.
Mast.....	Telescoping mast rests horizontally in bracket installed on rear of equipment cabinet when stowed and during transport. It is held in place with bracket and pin. The mast rises to vertical with hand-operated winch and locks vertically with self-locking pin for safety. It rises to full height (30 feet) with second winch. All steel construction.
Finish.....	High-pressure phosphate washed prior to finish coating. Oven-baked powder coating ensures maximum durability and corrosion protection. Internal components of the mast are zinc-plated per ASTM standard.
Winches.....	One winch raises telescoping mast from travel to vertical position and the second winch raises it to operating position. Safety friction brake on each winch prevents mast from falling if operator lets go of winch handle.
Winch cable.....	1/4"-diameter steel cable. Optional: 1/4"-diameter stainless steel aircraft cable
Tow hitch.....	Tow hitch for 2-inch ball. Optional: combo-hitch for 2-inch ball or 3-inch pintle hook
Tires.....	ST175/80 D13 trailer tire, 13" diameter
Stabilizer jacks.....	Four total zinc-plated stabilizing jacks: two in front on outriggers for improved stability, one in rear in the center, and one on drawbar.

Lights and reflectors..... Two combination stop, turn and taillights are integrated into rear panel of equipment cabinet. Four reflectors on sides of cabinet: two red at rear, and two amber at front. License-plate light.

3.0 LIGHTING

Fixtures..... Four light fixtures
Lamp type..... Metal halide
Lamp wattage..... 1000W per lamp, 4000W total
Luminosity 0.5 fc (5.4lm/m²)
Coverage..... Up to 7.5acres (30,400m²)

4.0 OUTPUT POWER

Output 6kW
Voltage* 120V or 240V
Amperage* 50A @ 120V or 25A @ 240V
Frequency* 60Hz or 50Hz
Voltage regulation** ±5% or ±6% ; no load to full load

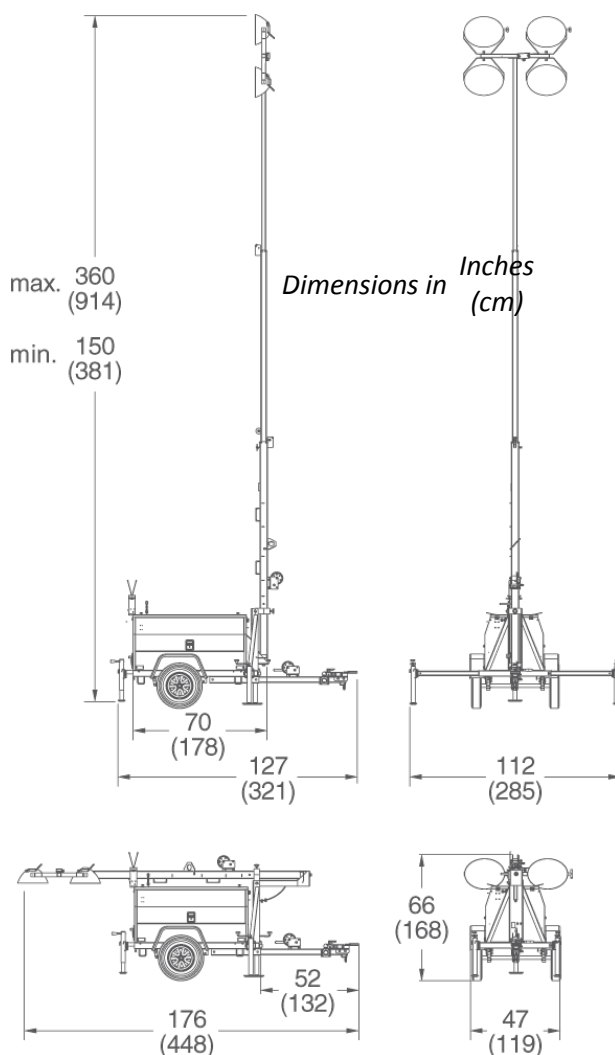
5.0 POWER SYSTEM

Engine type 3-cylinder, 4-cycle, liquid-cooled diesel
Engine speed 1800 rpm
Generator type..... Brushless
Generator insulation H
Battery 12Vdc, 550CCA
Maximum power output..... 12.1 or 13.6HP (9 or 10kW)
Displacement** 56cu. in. (916cm³) or 68cu. in. (1123cm³)
Sound level at max load 71dB at 23ft (7m)
Fuel tank capacity..... 30gal (114L)
Fuel consumption** 0.44gal/h (1.67L/h) or 0.45gal/h (1.71L/h)
Runtime before refueling ... Approximately 60 to 70 hours.

6.0

DIMENSIONS AND WEIGHT

Travel length	176" (448cm)
Travel width	47" (119cm)
Travel height	66" (168cm)
Deployed length	127" (321cm)
Deployed width	112" (285cm) with outriggers fully extended
Deployed height	150" (381cm) min., 360" (914cm) max.
Operating weight**	Approx. 1800lb (815kg) or 1850lb (839kg)
Shipping weight**	Approx. 1580lb (717kg) or 1630lb (739kg)



*depending on model; **depending on engine make: first-Lambordini Kohler, second-Kubota