



**WACKER
NEUSON**
all it takes!

LTW20Z1, MH

Wide Body Vertical Mast Light Tower

wide light towers perfect for off road towing and far away places

The standard five-section vertical mast light tower is power actuated, extending 7 meters and can rotate 360 degrees for optimum lighting flexibility. The wide body design features a proven engine, long run fuel tank and DOT trailer lights. The light bar design creates greater flexibility in directing the four light fixtures for greater light coverage on the jobsite. Equipped with conventional 4 x 1100 Watt Metal Halide (MH) lights. The wide body vertical mast light towers are perfect for remote applications including oil and gas worksites, mining, and industrial applications.

Technical Data

■ Electrical - Output Details

| | |
|----------------------|------------|
| Nominal current | 78.00 A |
| Nominal voltage | 120.0 V |
| Nominal frequency | 60.0 Hz |
| Nominal power [P] | 18.60 KW |
| Nominal power [S] | 20.90 kVA |
| Power factor (cos φ) | 1.00 cos φ |
| Phase | 1.0 ~ |

■ Mechanical Details

| | |
|------------------|------------|
| Length | 3,330.0 mm |
| Width | 1,920.0 mm |
| Height | 2,540.0 mm |
| Operating weight | 1,565.0 kg |
| Mast height max. | 7.0 m |

■ Generator

| | |
|-----------------------------------|---------------------|
| Insulation class | H |
| Output frequency | 60.0 Hz |
| Nominal speed | 1,800.0 1/min |
| Voltage accuracy | 1.0 % |
| Voltage Regulation - Steady State | 0.5 % |
| Generator Rating 1~ (Continuous) | 21.0 KW |
| Generator Rating 1~ (Continuous) | 21.0 kVA |
| Generator Rating 3~ (Continuous) | 36.0 KW |
| Generator Rating 3~ (Continuous) | 36.0 kVA |
| Generator Manufacturer | Mecc Alte |
| Generator specification | AVR without Brushes |

■ Engine

| | |
|-----------------------|---------------|
| Engine type | Diesel engine |
| Engine operating mode | four-stroke |

| | |
|--------------------------------|--------------------|
| Cylinder | 4.0 |
| Cylinder capacity | 2,179.0 cm3 |
| Fuel | Diesel EN 590 |
| Fuel consumption | 5.9 L/hr |
| Tank capacity | 215.8 l |
| Oil filling max. | 10.4 l |
| Power rating max. | 30.0 KW |
| Engine speed (Power max.) | 1,800.0 1/min |
| Effective power | 23.5 KW |
| Nominal Engine speed | 1,800.0 1/min |
| Operating Engine speed | 1,800.0 1/min |
| Standard (Operating power) | SAE J1995 |
| Exhaust-gas limit | IIIB/Tier IV Final |
| Starter battery Voltage | 12.0 V |
| Battery Cold-start current CCA | 750.0 A |
| Engine Manufacturer | Isuzu |
| Running time at 100% | 34.8 hrs |

■ Environment Data

| | |
|-----------------|------------|
| Sound level LpA | 71.2 dB(A) |
|-----------------|------------|

■ Electrical System

| | |
|-----------------------------|-----------------------------|
| Main Circuit Breaker Rating | 80.0 A |
| Bulb power | 1,100.0 W |
| Receptacle Type | NEMA SS2, TL, 125/250V, 50A |

■ Operating Fluids

| | |
|----------------------|--------|
| Cooling fluid volume | 12.6 l |
|----------------------|--------|

■ Shipping and Storage

| | |
|---------------------|------------|
| Length for shipping | 2,630.0 mm |
| Width for shipping | 1,920.0 mm |
| Height for shipping | 2,540.0 mm |

Shipping weight

1,379.0 kg

■ **Lighting - Output Details**

Illuminance

54.0 Lux