

HYBRID RANGE



APPLICATIONS:

Municipal
Agriculture
Security

CD

COMMERCIAL DUTY

HYBRID TECHNICAL DATA SHEET

DIESEL POWERED LIGHTING TOWER

Lighting Coverage 210000 lumens / 5000m²
Generator Power 4.2kVA 220V

MODEL: HHLT 4200-220-S-4x350

Powered by

 **YANMAR**

 **nsm**

Plusrite


MOBILE LIGHTING TOWERS

MODEL: HHLT 4200-220-S-4x350

SPECIFICATION

ENGINE



CONTROL PANEL



Engine	Single Cylinder Air Cooled Four stroke	Controller	Smartgen ALC736-4G
Make/Model	Yanmar L70N - DEGLT	Breaker Make and Size	ABB or Equivalent 16A
Fuel Consumption	1.176 l/ph. at full load	IP Protection	IP55
Cooling	Air Cooled Naturally Aspirated	Battery Charger	Smartgen
Output	4kW Continuous	Battery	12v - 16Amp Hour
Coupling Shaft	25,4mm Tapered Shaft (J609B)		
Revolution (rpm)	3000 rpm	FUEL AND RUNNING HOURS	
Electric System	12v	Material	Metal Self Bunded Tank
Starting Method	Electric	Capacity	100
Number of Cylinders	1	Metering and Level Display	Yes - Mechanical
Displacement L (cu, in)	0.320L	Total Running Hours	50
Engine shutdown protection	Low oil pressure, High water temperature, Low fuel		

ALTERNATOR



LIGHTING



Make/Model	NSM K100E	Lighting	4 x 350W LED
Output	4.2kVA	Lumens	210 000
Frequency	50Hz 3000RPM	Type of Lamp	Rectangle Type LED Lamp
Voltage output	220V AC	Individual LED switch on/off	YES
Coupling	J609B	Automatic dark/dawn on/off (Night Sensor)	YES
Regulation	Capacitor	Power plug in charger (City power charging function)	YES
Insulation	H	Lamp No.	Lamps / Mast
Coupling	Single Bearing / Direct / J609B	Total Lighting Area Sqm (m2)	5000m ²

SPECIFICATION

TRAILER & ENCLOSURE

Construction - Enclosure	Powder Coated Mild Steel
Sound Attenuation	Yes
Sound Level	63dB at 7m
IP Rating	IP23
Braking	Drum Brakes with Handbrake
Axle	Single Full Beam Axle
Outriggers	4 Manual Outriggers and Jack Down Type
Suspension	Dual Leaf
Trailer Axle	Single Axel
Hitch	Ball Hitch "Dead Man" Security Chain
Jockey Wheel	Yes-Light Duty
Wheel and Rim	185R/14"
Number Plate Lighting	Yes
Forklift Lifting Points and Entry Holes	Yes
Options	Refer to options page

MAST TOWER

Type	Telescopic
Total Height	8M
Section Type	Multi-Sections
Wind Speed	80KM/H
Rotation	350 degrees
Lights Tilttable	Yes Manually
Operation Type	Manual Operated

BATTERIES

Battery Capacity	1200 AH (8 x 150ah or 6 x 200ah batteries)
Battery Type	48V AGM deep cycle solar storage batteries maintenance free
Panels Quantity	4 x 350w
Panels Type	Monocrystalline silicon tempered glass
Charging	MPPT Charging

IMAGES

Type Telescopic



BACK VIEW

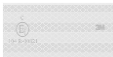


FRONT/SIDE VIEW

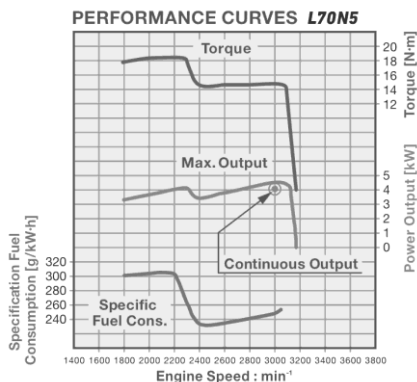


CLOSE SIDE VIEW

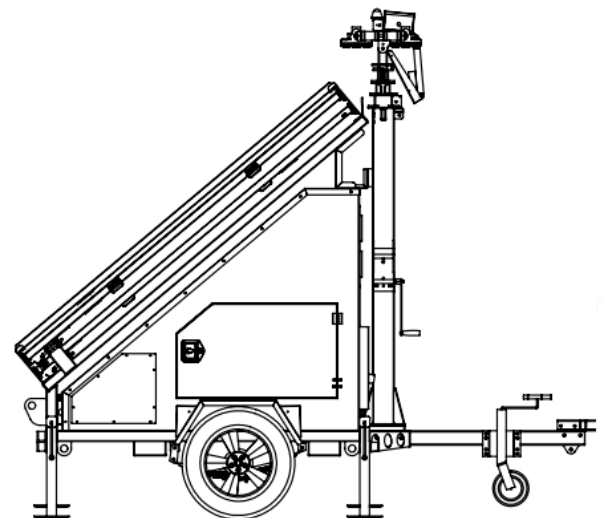
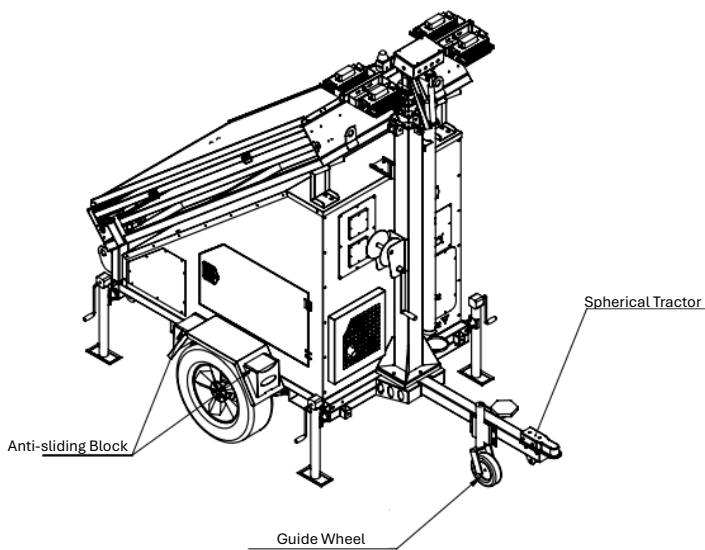
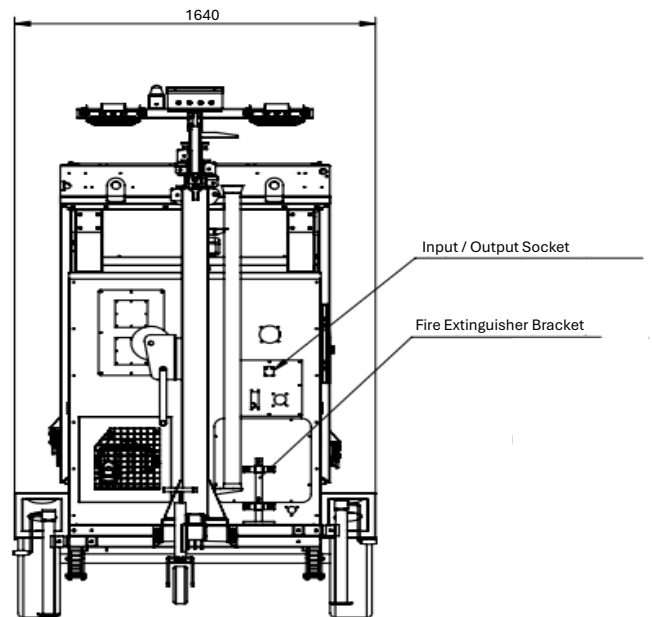
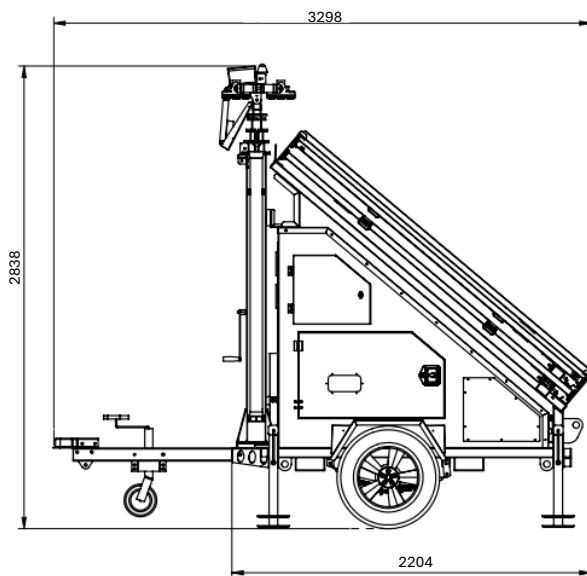
OPTIONS

JOCKEY WHEEL	FARMERS EYE HITCH (70mm RING)	COUPLER & BRAKE 50mm BALL
		
Supports and stabilizes the trailer's front end (nose weight) when uncoupled.	Provides a strong and secure towing connection between tractors, implements, trailers, or farm machinery.	Couples trailer drawbar to towing vehicle and provides controlled braking to improve safety and stability during towing.
IP55 2PIN PLUG	IP55 3 PIN PLUG	IP55 3 PHASE PLUG
		
Provides a secure electrical connection for single-phase power supply in outdoor or industrial environments.	Provides a safe and weather-resistant electrical connection for outdoor and industrial equipment.	Provides a secure and weather-resistant connection for three-phase power supply to industrial and outdoor equipment.
YELLOW -SIDE	RED - REAR	WHITE - FRONT
		
High-visibility safety tape for marking trailers, vehicles, and equipment.	High-visibility safety tape for marking trailers, vehicles, and equipment.	High-visibility safety tape for marking trailers, vehicles, and equipment.
CHEVRON PLATE	WHEEL CHOCKS	HAZARD LIGHT
		
A chevron plate is a plate with a V-shaped pattern, often in contrasting colours, used for safety and visibility.	Wheel chocks are wedge-shaped blocks placed against a vehicle's wheels to prevent accidental movement.	A hazard light is a vehicle's flashing warning light used to alert others of danger or a stationary vehicle.
ISOLATOR SWITCH		FIRE EXTINGUISHER
		
An isolator switch disconnects electrical power for safety during maintenance or emergencies.		A fire extinguisher is a portable device used to put out small fires safely.

ENGINE CURVE

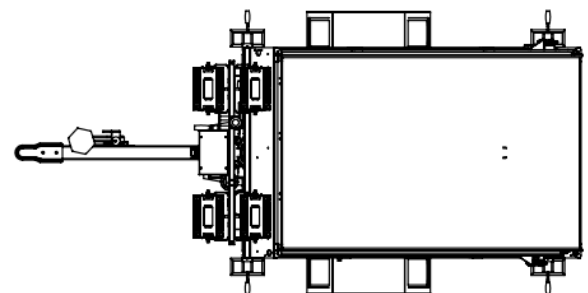


DRAWINGS



WEIGHTS DIMENSIONS & SHIPPING INFORMATION

Length:	2200 mm
Width:	1500 mm
Height:	2500 mm
Weight (Dry)	1730 kg
Weight (Wet)	1780 kg
Qty per 20ft Container - Shipping	4
Qty per 40ft Container - Shipping	8



NOTES

ASSEMBLED & DISTRIBUTED BY:

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DEALER DETAILS: