

NIMBUS RANGE



APPLICATIONS:

Municipal
Agriculture
Security

CD

COMMERCIAL DUTY

NIMBUS TECHNICAL DATA SHEET

NIMBUS

DIESEL POWERED LIGHTING TOWER

Lighting Coverage 390000 lumens / 8000m²
Generator Power 6kVA 220V

MODEL: HNLT6000-220-S-4x500

Powered by

 **YANMAR**

 **nsm**

Plusrite®


MOBILE LIGHTING TOWERS

MODEL: HNL6000-220-S-4x500

SPECIFICATION

ENGINE



CONTROL PANEL



Engine	Single Cylinder Air Cooled Four stroke	Controller	Smartgen ALC736-4G
Make/Model	Yanmar L100N - 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	7kW Continuous	Battery	12v - 16Amp Hour
Coupling Shaft	25,4mm Tapered Shaft (J609B)	FUEL AND RUNNING HOURS	
Revolution (rpm)	3000 rpm		
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	96 Hours
Engine shutdown protection	Low oil pressure, High water temperature, Low fuel		

ALTERNATOR



LIGHTING



Make/Model	NSM WS200AC	Lighting	4 x 500W LED
Output	6 kVA / 200A	Lumens	390 000
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		MAST TOWER	
Construction - Enclosure	Powder Coated Mild Steel	Type	Telescopic
Sound Attenuation	Yes	Total Height	8M
Sound Level	63dB at 7m	Section Type	Multi-Sections
IP Rating	IP23	Wind Speed	80KM/H
Braking	Drum Brakes with Handbrake	Rotation	350 degrees
Axle	Single Full Beam Axle	Lights Tilttable	Yes Manually
Outriggers	4 Manual Outriggers and Jack Down Type	Operation Type	Manual Operated
Suspension	Dual Leaf		
Trailer Axle	Single Axel	BATTERIES	
Hitch	Ball Hitch "Dead Man" Security Chain	Battery Capacity	-
Jockey Wheel	Yes-Light Duty	Battery Type	-
Wheel and Rim	185R/14"	Panels Quantity	-
Number Plate Lighting	Yes	Panels Type	-
Forklift Lifting Points and Entry Holes	Yes	Charging	-
Options	Refer to options page		

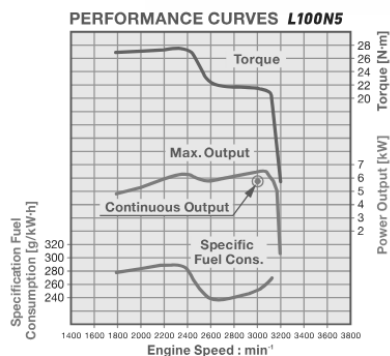
IMAGES

Type	Telescopic		
			
	FRONT VIEW	SIDE VIEW	TOTAL HEIGHT

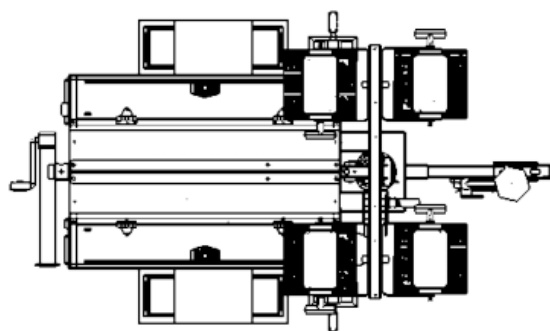
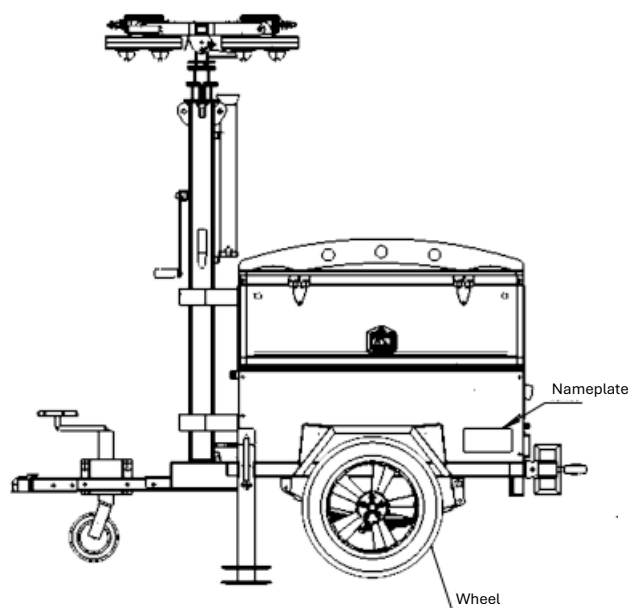
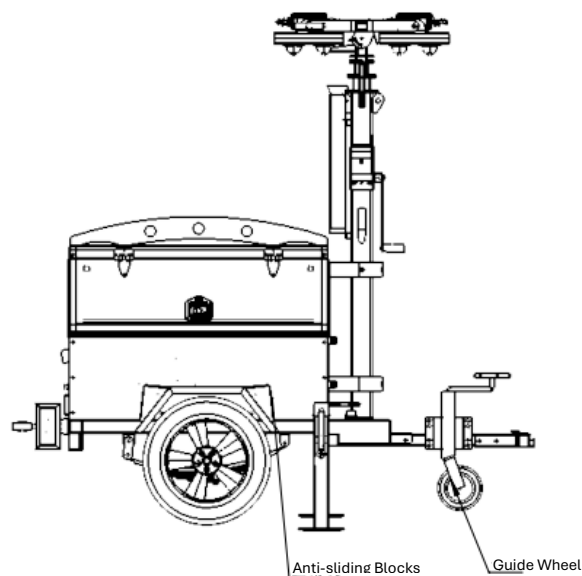
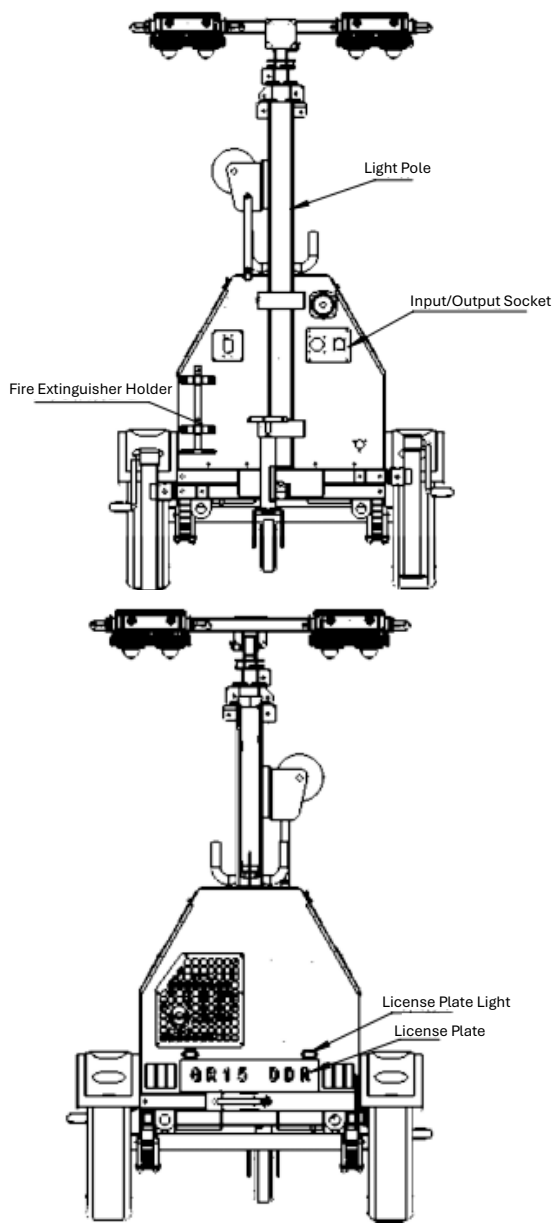
OPTIONS

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:	3030 mm
Width:	1500 mm
Height:	3220 mm
Weight (Dry)	1300 kg
Weight (Wet)	1450 kg
Qty per 20ft Container - Shipping	10
Qty per 40ft Container - Shipping	22

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