

CORONA RANGE



APPLICATIONS:

Municipal
Agriculture
Security
Mining

CD

COMMERCIAL DUTY

EVENT USE

CORONA TECHNICAL DATA SHEET

CORONA

DIESEL POWERED LIGHTING TOWER

Lighting Coverage 390000 lumens / 8000m²
Generator Power 8kVA 220V

MODEL: HCLT 10000-220-T-6x500

Powered by

 **YANMAR**

 **nsm**

Plusrite


MOBILE LIGHTING TOWERS

SPECIFICATION

ENGINE



CONTROL PANEL



Engine	Three Cylinder Water Cooled Four stroke	Controller	Smartgen ALC708
Make/Model	Yanmar 3TNV76-GGEA	Breaker Make and Size	ABB or Equivalent 16A
Fuel Consumption	2.68 l/ph at full load	IP Protection	IP55
Cooling	Water Cooled Naturally Aspirated	Battery Charger	Smartgen
Output	9kW Continuous	Battery	12v - 16Amp Hour
Coupling Shaft	SAE 5-7.5	FUEL AND RUNNING HOURS	
Revolution (rpm)	1500 rpm		
Electric System	12v	Material	Metal Self Bunded Tank
Starting Method	Electric	Capacity	100
Number of Cylinders	3	Metering and Level Display	Yes - Mechanical
Displacement L (cu, in)	1.116L	Total Running Hours	40
Engine shutdown protection	Low oil pressure, High water temperature, Low fuel		

ALTERNATOR



LIGHTING



Make/Model	NSM K132C	Lighting	6 x 500W LED
Output	7kVA	Lumens	390 000
Frequency	50Hz 1500RPM	Type of Lamp	Rectangle Type LED Lamp
Voltage output	220V AC	Individual LED switch on/off	YES
Coupling	SAE 5-7.5	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 / SAE5-7.5	Total Lighting Area Sqm (m2)	5000m ²

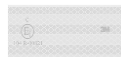
SPECIFICATION

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	Double Axel	BATTERIES	
Hitch	Ball Hitch "Dead Man" Security Chain	Battery Capacity	-
Jockey Wheel	Yes-Light Duty	Battery Type	-
Wheel and Rim	236R/16"	Panels Quantity	-
Number Plate Lighting	Yes	Panels Type	-
Forklift Lifting Points and Entry Holes	Yes		
Options	Refer to options page		

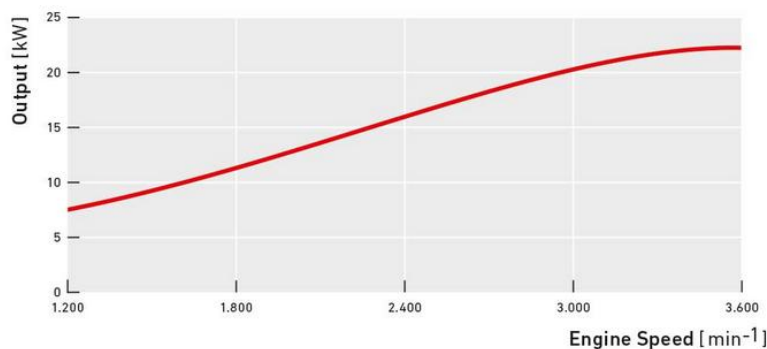
IMAGES

Type	Telescopic	
		
FRONT VIEW	SIDE VIEW	FRONT VIEW

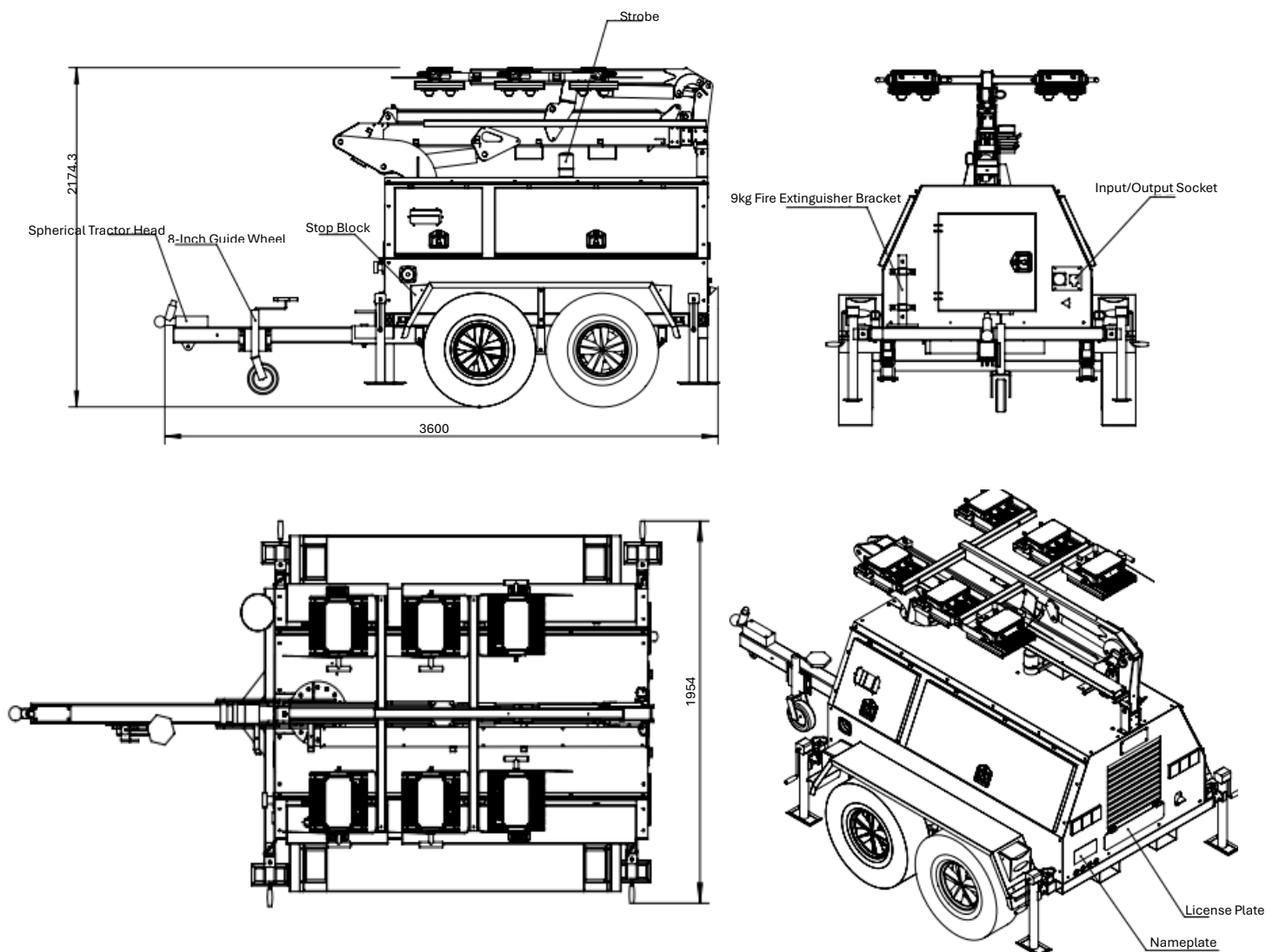
OPTIONS

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:	2350 mm
Width:	1600 mm
Height:	2500 mm
Weight (Dry)	1960 kg
Weight (Wet)	2150 kg
Qty per 20ft Container - Shipping	2
Qty per 40ft Container - Shipping	4

	Vert Energy Africa (Pty) Ltd
	28A Cnr. Avalon & Private Roads, Westlake View Ext 12, Modderfontein, Johannesburg, Gauteng, South Africa
	General Enquiries
	+27 (0)11 453 9669
	info@vertgroup.co.za
	www.vertgroup.co.za
