GLT1600L-7VMP

Powered by Perkins

Genlitec®
Power & Lighting Solutions

Generator Specification

Service	50Hz	60Hz
Genset **PRP**(1) (KW)	7.2	8.0
Engine speed	1500RPM	1800RPM
Power factor	1.0	
Phase	Single	
Voltage (V)	110/220; 120/240; 220; 230; 240	

GENLITEC Power lighting towers & generator sets are compliant with ISO 9001 and CE standard, which include the following directives:

- 2006/42/EC Machinery directive
- 2014/30/EU Electromagnetic compatibility directive
- EN 12100:2010; EN ISO 8528-13:2016; EN 60204-1:2018; EN 61000-6-2:2019; EN 61000-6-4:2019

(1) PRP (Prime Power)

According to ISO 8528-1, prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during at 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

(2) ESP (Standby Power)

According to ISO 8528-1. It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufactures. No overload capability is available.

Container Loading Capacity

6 SETS *(disassembled**)* **/ 20GP**

12 SETS *(disassembled**)* **/ 40GP**

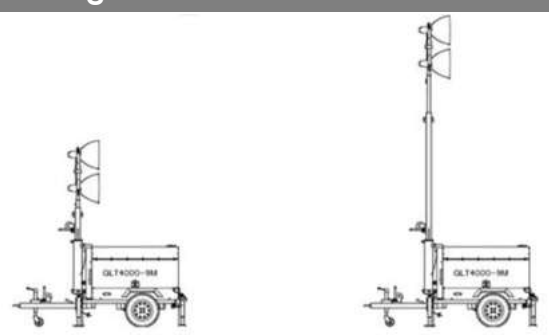
***dismounted parts: tow bar, wheels, axle, stabilizers*

Performance Data	
Model	GLT1600L-7VMP
Engine brand	**PERKINS**
Engine model	403D-11G
Speed control type	Mechanical
Alternator brand	**GENLITEC**
Alternator model	S164LT8
Control system	SMARTGEN HGM1790N
Starter motor voltage	12V
Max. height of mast	7 meters
Mast lifting/lowing system	Vertical manual
Total power of lamps	4x400 watts **LED**
Fuel consumption ***(100% load)***	3.0L/H
Fuel tank capacity	100L

Standard Reference Conditions

Note: Standard reference condition 25℃ (77°F) air inlet temp. 100m (328ft) A.S.L 30% relative humidity. Fuel consumption date with diesel fuel with specific gravity of 0.85 and conforming to BS 2869: 1998 Class A2

Dimension & Weight



Dimension	Storage	Working
Length (L)	2710mm	3050mm
Width (W)	1410mm	2500mm
Height (H)	2760mm	7000mm
Net Weight	810kg	

Note: This parameter allows for some acceptable deviations.

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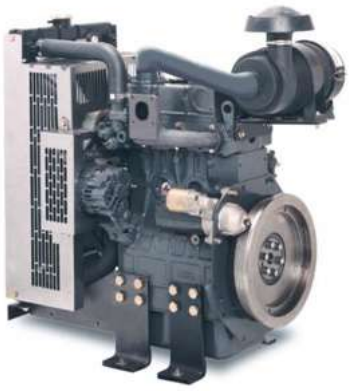
Engine Specification



MODEL: PERKINS 403D-11G	
Cylinder number	3
Aspiration system	Natural
Cooling method	Water cooled
Combustion system	Indirect injection
Bore x Stroke (mm)	77 x 81
Compression ratio	23:1
Rated speed (RPM)	1500/1800
Displacement (L)	1.131
Rated power (KW)	8.6/1500RPM
	10.7/1800RPM
Fuel injection pump	Mechanical pump
Oil capacity (L)	4.9
Total Coolant capacity (L)	5.2
Starter motor capacity	DC 12V

Alternator Specification

MODEL: GENLITEC S164LT8	
Number of phases	Single
Rated power (KW)	8
Frequency (Hz)	50/60
Power factor (Cos Phi)	1
Temp. rise	125K
Insulation type	H class
Ambient temp.	40℃
IP rating	IP23
Excitation system	Self-excited
Bearing	Single bearing
Coating	Vacuum impregnation
Voltage regulator	A.V.R
Coupling	Flexible disc

Operation Mast Specification

Max. height of mast	7m
Elevation system	Vertical, Mechanical
Raising/Lowing mast method	Manual winch
Mast stages	6
Turning angle	358° manually
Mast material	Galvanization Steel tube
Self-lock Winch	1 x manual

Lamps Specification

Total power of lamps	4 x 400 watts
Lamps type	LED
Light capacity	4 x 60,000 lumen
Design lifetime	50000 hours
Working temperature	-40℃ ~ 50℃
Max. Light coverage	4650m^2 ***(Horizontal Angle)***
Protection grade	IP65

Chassis Specification

Tow Hitch type	"O" ring or Ball tow hitch
Brake type	Mechanical hand brake
Trailer structure	Single axle
Tyre size	13 inches
Leveling jack type	5 x Manual

Controller Panel Specification

Control module	**SMARTGEN** HGM1790N
Main & Lamps Breaker	**DELIXI**
Emergency stop	Equipped
Starting method	Electric (Key start/Button))
Output Socket	2 x Single phase

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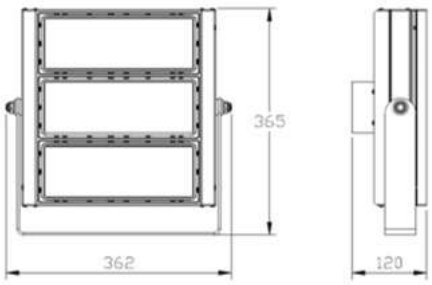
LED Lights Detailed Technical Data

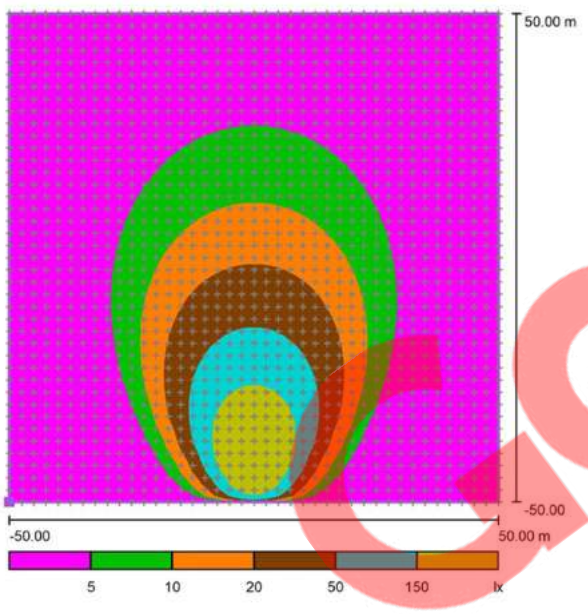
Image

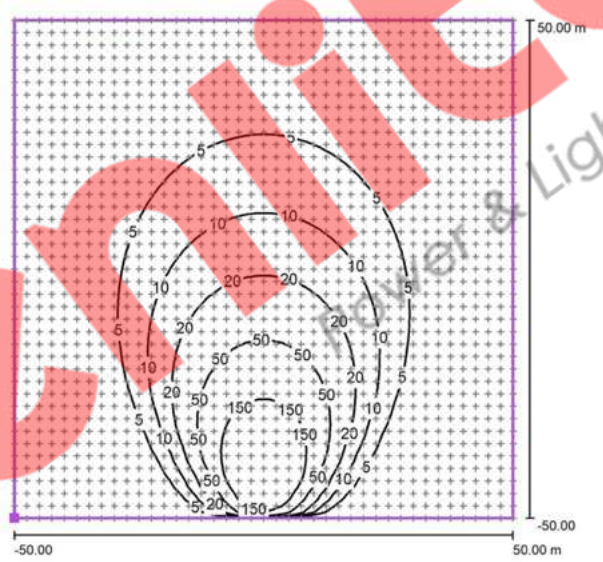
Dimension



Description	LED Floodlights
Model number	JR328-400W
Light power	400W LED
Installation method	"U" type holder
Working temperature	-40℃ ~ 50℃
Rated voltage	AC 100-277V
Rated frequency	50/60Hz
Power factor	⩾0.95
Design lifetime	50000 hours
Protection grade	IP65
Certificates	3C, UL, CE
Light cover material	Aluminum
Radiate unit	Aluminum radiator
Lighting angle	25°, 40°, 60°, 90°, 110°
Luminous efficacy	150Lm/W
Luminous flux	60000Lm@5000K
Color temperature	5700±300K
Color rendering index	RA⩾70@5000K

Lighting Performance





Lighting Height: 7m

LED Floodlight Angle: Horizontal

Standard Supply Scope

- Industrial exhaust silencer
- Maintenance free battery
- Water cooling radiator
- A.V.R
- Weatherproof canopy
- Flexible pipes
- Battery wires
- Wiring diagram
- Build-in based fuel tank
- Top caution light
- Float Battery charger
- Manual books
- Ball/Ring hitch with safe chain
- Emergency stop button
- Base frame
- Digital control panel
- Main circuit breaker
- Power output socket x 2

Optional Supply Scope

Engine	AC Alternator	Control Panel	Lamps	Others
○ **Yanmar** 3TNV76	○ **Stamford**	○ **Smartgen** ALC404	○ 4x1000W MH lamps	○ Security camera
○ **Kubota** D1105-BG	○ **Mecc Alte**	○ **Smartgen** ALC704	○ 4x350W LED	○ Grounding rod
○ **Yanmar** 3TNV88		○ **Smartgen** ALC708	○ 4x480W LED	○ Water-jacket heater
○ **Quanchai** QC380D		○ **ComAp** LTC 80		○ Battery isolator
		○ Wi-Fi router (4G SIM)		○ Fire Extinguisher
		○ Remote control & monitoring system		○ Wheel chocks
				○ Reflector set

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Control Panel

Configuration
Emergency stop button
Protection MCB + Lamps & Socket circuit breaker
Digital control module
Power output socket x 2 (Single Phase)
Controller box
Alarm buzzer

Key Features
Large back-lit icon LCD display
Single / Three phase generator monitoring
AC phase voltage display
Generator frequency display
Engine speed RPM display
Battery voltage Vdc display
Generator running hours display
Engine coolant temperature display
Engine oil pressure display
Pre-alarm & shutdown alarm function
Low oil pressure shutdown alarm
Engine high temperature shutdown alarm
Engine over speed shutdown alarm
Generator over/under voltage shutdown alarm
Generator overload shutdown alarm
Start/Stop failure shutdown alarm
IP65 rating offers increased resistance to water ingress

Control Module: SMARTGEN HGM1790N	
Digital input	5
Relay output	5
Communication interface	PC
AMF	N/A
AC System	1P2W / 2P3W / 3P3W / 3P4W
Phase voltage input	0-300Vac
Frequency range	3Hz – 70Hz
Standby current	TBA
Accuray	1%
Control relay outputs	3A/30Vdc
DC supply	DC 8-35V
Operating temp.	-20 ~ +70℃

Controller Module Options

Smartgen	Smartgen	ComAp
ALC404	ALC704/708	InteliLite LTC 80

Local Distributor / Partner

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