HIMOINSA
A YANMAR COMPANY

APOLO RANGE - MODEL

HBOX+ M5

HBOX+ · HBOX+

Powered by YANMAR

8,3 meters
Maximum Height

210.000
Lumens

360º manual
Rotation

SINGLE PHASE

FREQUENCY

R.P.M.

WATER-COOLED

LED

Hydraulic
Lifting system

DIESEL

STAGE V

HIMOINSA Company with quality certification ISO 9001
HIMOINSA gensets are compliant with EC mark which includes the following directives:

- 2006/42/CE Machinery safety.
- 2006/95/EC Low voltage.
- 2014/30/UE Electromagnetic compatibility.
- 2014/35/UE electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2012/46/EU)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2005 normative: 1000 mbar, 25ºC, 30% relative humidity.

Prime Power (PRP):
According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

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Manufacture facilities:
SPAIN • FRANCE • INDIA • CHINA • USA • BRAZIL • ARGENTINA

Subsidiaries:
PORTUGAL | POLAND | GERMANY | UK | SINGAPORE | UAE | PANAMA | DOMINICAN REPUBLIC | ARGENTINA | ANGOLA | SOUTH AFRICA

Index of technical icons used in this catalogue

Water-cooled	Manual	1500 1800 r.p.m.	KIT Kit	Metal halide Quartz iodine	Maximum Height
Air-cooled	Hydraulic	3000 3600 r.p.m.	360 Rotation	LED	Lumens

ISO 9001 SYSTEM CERTIFICATION

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Specifications

Power (P.R.P)	kVA	2,8
Voltage (2+N)	V	230
Maximum dimensions	(L x W x H)	1895 x 1810 x 8300
Minimum dimensions	(L x W x H)	1190 x 1150 x 2435
Weight	Kg	960
Fuel tank capacity	L	220
Tank refilling		Internal
Autonomy	Hours	400
Noise level (power at 7m)		83 LWA - 55 dB(A)

Engine Specifications 1.500 r.p.m.

Model		YANMAR 2TNV70WHR
Engine Type		4-stroke diesel
Injection Type		Indirect
Aspiration Type		Natural
Number of cylinders and arrangement		2-L
Bore and Stroke	mm	70 x 74
Displacement	L	0,57
Cooling System		Coolant
Lube Oil Specifications		SAE 3 class 10W30 / API grade CD,CF
Compression Ratio		23,4
Governor	Type	Mechanical
Air Filter	Type	Dry
Inner diameter exhaust pipe	mm	40

Generator

Poles	nº	4
Connection type (standard)		Series
Mounting type		SS-5 7"1/2
Insulation	Class	H class
Enclosure (according IEC-34-5)		IP21
Exciter system		Self-regulated brushless
Voltage regulator		Capacitor
Bracket type		Single bearing
Coupling system		Flexible disc
Coating type		Standard (Vacuum impregnation)

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Mast

Mast type		Hydraulic
Mast sections		8
Raising / lowering time		13/25
Rotation		360º manual
Double safety block		Standard
Lamps	nº	4 x 350 W
Lamps type		LED
Total lumens	lm	4 x 52.500 = 210.000
Remaining power	kW	1,4

Bodywork

Canopy	Standard
Retention tray	Sí, 110%
Auxiliary sockets	2 x 16 Amp
Auxiliary input supply socket	1 x 16 Amp
Lifting hook	Standard

Chassis

Chassis traction kit	-
Signalling lamps	-
Wheels	-
Stabilisers	4
Bracket holders	Standard

Control panel

Control and protection panel	CET8 manual controller
Thermal magnetic switches to protect the spotlights and auxiliary sockets	Standard
Manoeuvring push buttons	Joystick (For ascend and descend)

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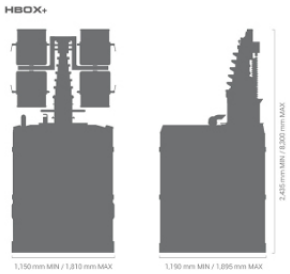
Dimensions

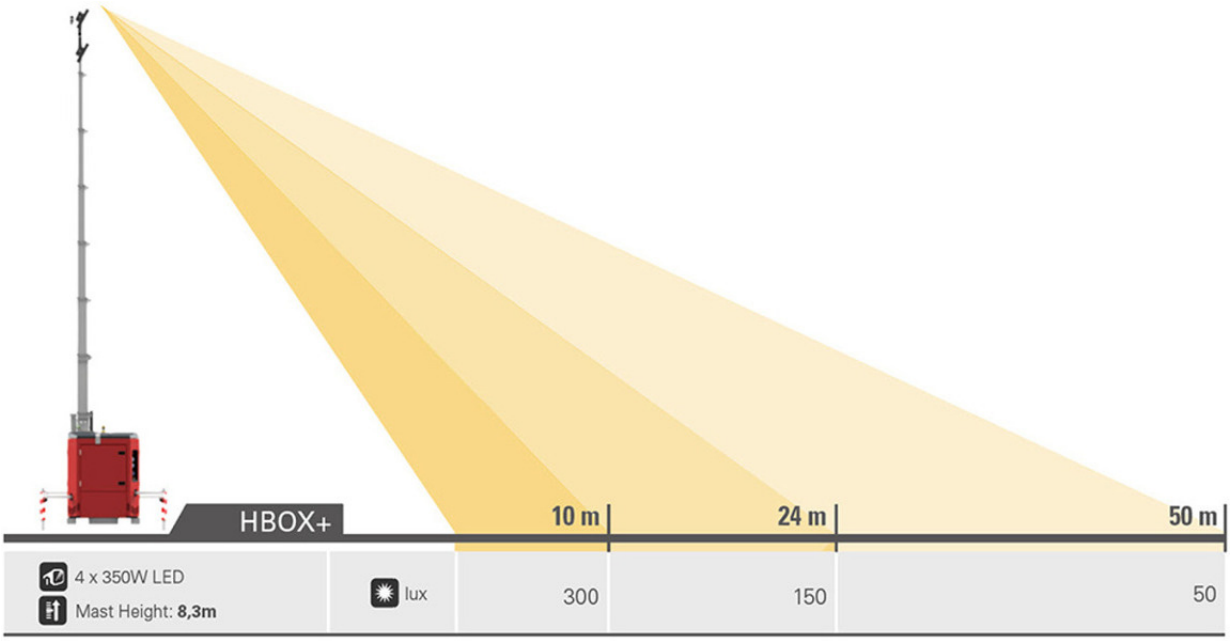


Maximum dimensions	(L x W x H)	1895 x 1810 x 8300
Minimum dimensions	(L x W x H)	1190 x 1150 x 2435

DIMENSIONS CORRESPOND TO THE TOWERS MOUNTED WITH FLOODLIGHTS

*** Amounts related to mounted towers**	8 Units *	20 Units *	20 Units *

Light range



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Features

Lighting tower

- Hydraulic telescopic mast with 8 sections
- Reaches a working height of 8,4 meters
- Bubble level located at the bottom of the mast
- Guides for fixation during transport
- 4 extensible stabilizers to guarantee stability
- Output manifold
- Tilting lights until 180º
- Lifting hook and cavities for forklift forks on all 4 sides
- Light sensor at the top of the mast
- Emergency stop
- Wide accesses for maintenance and control
- Area Coverage > 20 lux : 6400 m2
- Light power control system

Optional : · C4Cloud

Electric System of the Lighting Tower

- Electrical control panel with earth leakage protection
- Siren
- Thermal magnetic switches for spotlights and auxiliary sockets
- The raising and descent of the mast is controlled only through 12 Vdc from the battery
- Two 16 amps auxiliary power sockets for the supply of power to auxiliary equipment
- Electric panel for control, protection and managing
- CET8-Controller
- Managing joystick (For ascent and descent)

Himoinsa has the right to modify any feature without prior notice.
Weights and dimensions based on standard products. Illustrations may include optional equipment.
Technical data described in this catalogue correspond to the available information at the moment of printing.
Industrial design under patent.

Local Distributor

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