

## Standard features

### Engine

- Yanmar L100N/V, diesel, 4 stroke
- Easy access to fuel line, lubrication system, sea/water pump and air filter
- Safety stop in case of low oil pressure, high temperature of engine or exhausts
- Double vibration reduction system
- Oil drain pump provided

### Alternator

- Synchronous, 2 poles, self-regulated, brushless self-excited
- Rotor and stator coated with epoxy resin against external agents
- Rotor dynamically balanced
- Insulation class: H
- Safety stop for high-temperature

### Engine and alternator cooling

Heat exchanger water/air system

### Sound shield

- Aluminium main frame and aluminium 5754 panels

### Control Unit

- IP54 protection
- ON/OFF/START/STOP/MENU soft-touch buttons
- Digital hour-meter, main voltage, generator battery voltage, external battery pack voltage, frequency, service time, event list of last 10 alarms and time.
- 13 alarms icons
- 485 Mod-Bus connector for monitoring generator by boat main control monitor
- GSM control option (ON/OFF – alarms)

**kW**  
**5.0**  
**50 Hz**

**kW**  
**5.5**  
**60 Hz**



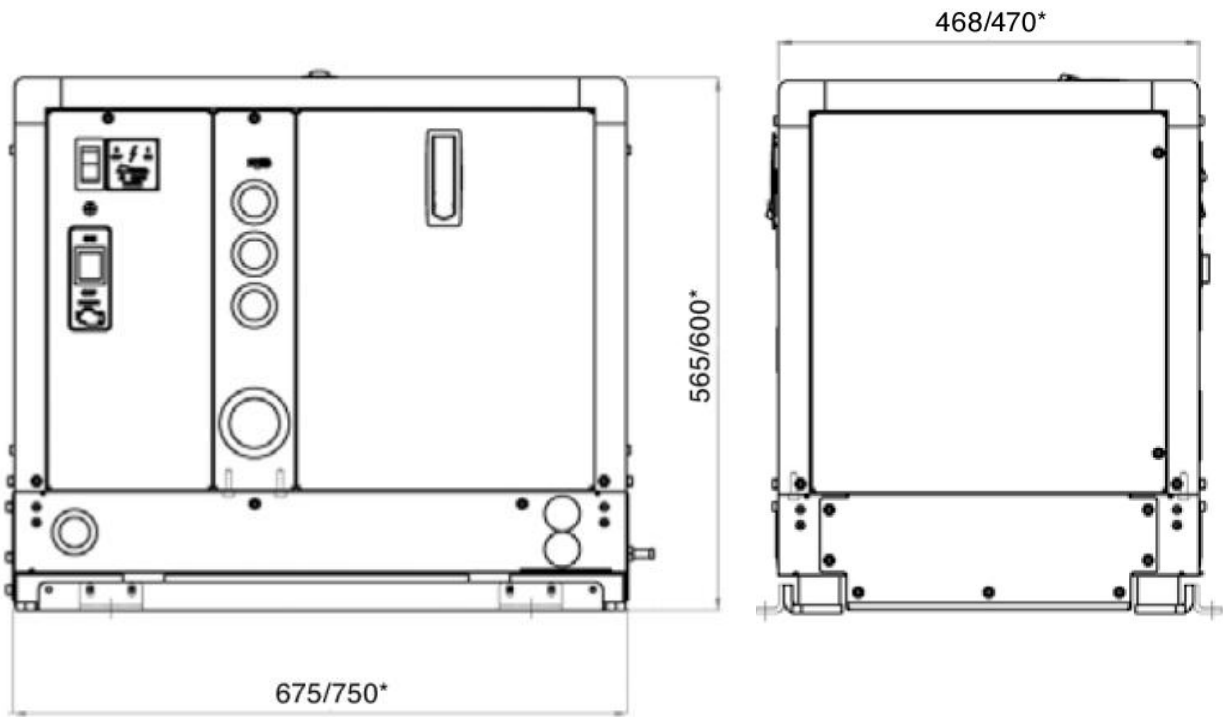
### ENGINE

	50hz	60Hz
<b>Model</b>	Yanmar L100N	Yanmar L100V
<b>Type</b>	Diesel, 4 stroke	
<b>Power (HP)</b>	8.8	9.1
<b>Bore/Stroke mm (inch)</b>	86/75 (3.38/2.95)	
<b>Displacement (cc)</b>	435	
<b>RPM</b>	3000	3600
<b>Compression ratio</b>	20:1	
<b>Combustion system</b>	Direct injection	
<b>Speed governor</b>	Centrifugal mechanical	
<b>Lubrication system</b>	Forced	
<b>Fuel consumption (l/h)</b>	1.65	2.5
<b>Starting battery (Ah-V)</b>	45-12	
<b>Max. Inclination</b>	30°	
<b>Water pump flow (l/min)</b>	20	
<b>Certification</b>	-	-

### ALTERNATOR

	50hz	60Hz
<b>Type</b>	Brushless, synchronous 2-poles, self-excited	
<b>Voltage (V)</b>	115-230	120-240
<b>Frequency (Hz)</b>	50	60
<b>Amps</b>	43.5 – 21.7	47.5 – 23.7
<b>Max. Power output (kW)</b>	5	5.5
<b>Continuous power output (kW)</b>	4.2	4.8
<b>Battery charging output (A-V)</b>	10-12	
<b>Power factor (cos φ)</b>	1	
<b>Insulating class</b>	H	
<b>Voltage stability</b>	± 10%	
<b>Frequency stability</b>	± 5%	

	50Hz	60Hz
<b>Dimension (Lenght x Width x Height)</b>	675 x 468 x 565 mm (26.6 x 18.4 x h22.2 in)	750 x 470 x 600 mm (29.5 x 18.5 x h23.6 in)
<b>Weight</b>	130Kg – 286.6 lb (with sound shield)	
<b>Noise level</b>	54 dB(A) at 7m (23ft)	56 dB(A) at 7m (23ft)



\*60Hz model