





**CBU INTELLI LITE 9 Evo** device controls and drives the genset. A large display and control pushbuttons allow an easy use and monitoring of the unit. Manual start, Vac Voltage, Frequency Hz, Power and Amperage, Engine rpm, Hour meter, Genset Battery voltage, Engine oil pressure, Low oil pressure alarm, Engine temperature, Engine preheating, High engine and alternator temperature, warning and shutdown alarm, Alternator battery charger failure alarm, Protection alarm for Overload, short circuit, high and low voltage, frequency and rpm, Alarms history, Maintenance warning, Zero power modelnlets / Outlets controls available CAN inlet by J1939 protocol, General alarm outlet, RUN outlet, Ready outlet, Programmable AUX outlet.

#### Engine

- Easy access in case of maintenance to the feeding system and lubrication, of the sea/water pump and the air filter.
- Safety stop in case of low oil pressure.
- Safety stop in case high water/exhaust gas temperature.
- Double vibration dumping system.
- Oil and fuel filters of easy access.
- Oil drain pump.

#### Alternator

- Synchronous, 4 poles, brush less self-excited, electronic voltage regulator (AVR).
- Rotor and stator epoxy resin coated against external agents.
- Rotor dynamically balanced.
- Insulation class H.

#### Soundproof cabin

A new project engineering design with a structure of a draw piece of aluminum supporting, painted aluminum panels type 5754 of high resistance to external agents.

Of limited weight and easy accessibility to the inner cabin in case of maintenance services.

# IS 8.05

## IS 9.06

### 8 kW 50 Hz 9 kW 60 Hz

#### **IS** (Intercooler system)

The cooling system used on IS series generators is based on **double cooling system.** 

Heat exchangers type sea water/air and sea water/coolant able to assure the perfect functioning of the generator independently from the external ambient temperatures.

Engine	50 Hz	60Hz
Model	Yanmar 3TNV80F	
Туре	Diesel 4 stroke	
Cylinders (nr.)	3	
Cylinder block material	Cast iron	
Bore (mm in.)	80 - 3.15	
Stroke (mm in.)	84 - 3.31	
Displacement (cc CID)	1.267 - 77.32	
Power (hp)	12.74	14.35
RPM	1500	1800
Compression ratio	23:1	
Combustion system	Direct injection	
Engine head material	Cast iron	
Speed governor	Centrifugal mechanical	
Lubrication system	Forced	
Oil sump capacity with filter(I -gl)	3.4- 0.9	
Engine stop system	Stop solenoid	
Fuel pump	Electric	
Fuel pump discharge (cm ft)	70 - 2.3	
Fuel consumption (I/h - gl/h)	2.9 - 0.76	3.3 - 0.87
Air intake (l/min gl/min.)	790 - 173	948 - 208
Starting battery (Ah-V)	70 - 12	
Battery charger (Ah-V)	40 - 12	
Starter (kW-V)	1.4 - 12	
Max. inclination	30°	
Water pump flow (I/min gl/min.)	25 - 6.6	28 - 6.1

#### Alternator

	50 HZ	60HZ	
Туре		Synchronous, 4-poles,	
	brush less	brush less self-excited	
Regulation	Elec	Electronic	
Cooling	Air/water (Intercooler W/A)		
Voltage (V)	115 - 230	120 - 240	
Frequency (Hz)	50	60	
Amps	69.5 - 34.8	78.2 - 37.5	
Max. power (kW)	8	9	
Continuous power (kW)	7.5	8.5	
Power factor ( cos ø )		1	
Insulating class	Н		
Voltage stability	±2	±2%	
Frequency stability	±ť	±5%	
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60H-

50 H-

#### **IS advantages**

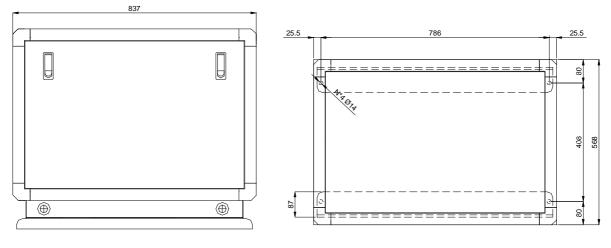
- The generator may be installed in any room on the vessel without the need to install ventilation blowers.
- Engine and alternator operate in ideal temperature conditions.
- · Extremely compact and quiet.
- Maximum generator efficiency.
- Simplified generator installation.
- The generator does not heat the environment where it is installed.
- •The first shock-absorber system absorbs vibrations from engine-alternator to the frame
- •The second system absorbs residual micro-vibrations from frame to vessel.

## IS 8.05 50 Hz • IS 9.06 60 Hz



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	50 Hz	60Hz
Dimension (Lenght x Width x Height.)	837x568x688mm - 32.95x22x27	.08 (in.) (with soundproof box)
Weight	295 Kg 555 (lb)	(with soundproof box)
Noise Level	49 dB <sub>A</sub> at 7mt (23 ft)	51 dB <sub>A</sub> at 7mt (23 ft)
7 4	3 9 16	13 15 14 12



- Control panel 1-
- 2-Air / water exchanger

- Oil filter cartridge 3 -
- 4 -Oil dipstick
- 5 -Engine oil filler
- 6 -Air filter
- 7 -Oil drump pump
- 8 -Fresh water pump

### **FITTINGS**

#### **EXHAUST COMPONENTS KIT** SIPHON BREAK W.G. SEPARATOR KIT **REMOTE CONTROL PANEL COMPLETED OF INSTRUMENTS**

Dealer:	

- 9 -Sea water pump
- 10 Fuel filter
- 11 Exhaust manifold (ø 50mm)
- 12 Sea water intake (ø 16mm)
- 13 Battery connections
- 14 Fuel tank connections (ø 8mm)
- 15 Cable outlets
- 16 Genset base brackets

This drawing is only a reference and is indicatly for the installation. For more information, you may contact your local dealer or mase generators S p A

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