

C7.1

Marine Generator Set Electronic Control System



ENGINE SPECIFICATIONS

CONFIGURATION	Inline 6, 4-Stroke Cycle Diesel
EMISSIONS	IMO II, IMO III (SCR required) U.S. EPA Tier 3, EU Stage V, China II
RATED ENGINE SPEED	1,500 rpm / 1,800 rpm
DISPLACEMENT	7.01 L (428 cu in)
ASPIRATION	Turbocharged / Aftercooled
GOVERNOR	Electronic (A5 ECM)

BORE x STROKE	105 mm x 135 mm / 4.13 in x 5.31 in
REFILL CAPACITY	Lube Oil System w/oil filter change: 21 L / 5.6 gal
OIL CHANGE INTERVAL	500 hrs
ROTATION	Counterclockwise
COOLING	Heat exchanger, Seperate Circuit Keel Cooled, Combined Circuit Keel Cooled, Radiator Cooled

KEY FEATURES & BENEFITS

- Gear Driven Water Pumps
- Automatic Valve Adjustment
- Variety of Different Cooling Systems
- Multiple Control Panel Options
- Engine Mounted Filtration
- Independent Shutdown Sensors and Controller
- Generator Paralleling Droop Kit for Load Sharing
- Streamlined Options for Easy Installation and Maintenance
- Utilizes SCR technology enabling IMO III emissions compliance (optional)

STANDARD EQUIPMENT

- Filtered Crankcase Ventilation
- Common Rail Fuel System
- Mounted Air Cleaner
- Integral Plate Type Oil Cooler
- Isolated Sump
- Anti-vibration Mounts
- Gear Driven Sea Water Pump
- Gear Driven Jacket Water Pump
- Safety Shutdowns
- Water Cooled Exhaust Manifold
- Watercooled Turbocharger

OPTIONAL ATTACHMENTS

- Marine Classification Society (MCS) Approval
- Generator Space Heater
- Engine Jacket Water Heater
- Duplex Oil Filters
- Duplex Fuel Filters
- Double Wall High Pressure Fuel Lines
- Additional Starter Motor
- Fuel Cooler (Radiator cooled only)
- Charging Alternator
- PTO Drive
- Service Parts Kit
- Generator Droop Kit
- Glow Plugs to Aid Cold Weather Starting

RATINGS & FUEL CONSUMPTION

ekW@8pf	kVA	Hz	rpm	U.S. g/h	g/bkW-hr	IMO	U.S. EPA	EU	China
100	125	50	1500	7.9	233.7	NST	T3C	EUV	C-II
118	148	50	1500	9.2	224.1	NST	T3C	EUV	C-II
150	188	50	1500	11.2	210.2	II/III	T3C	NC	C-II
118	148	60	1800	9.5	221.5	NST	T3C	EUV	C-II
150	188	60	1800	11.3	212.9	II/III	T3C	NC	C-II
175	219	60	1800	13.2	208.9	II/III	T3C	NC	C-II
200	250	60	1800	14.9	207.3	II/III	T3C	NC	C-II
92 R	115	50	1500	7.8	223.7	NST	T3C	EUV	C-II
111 R	139	50	1500	9.3	221.8	NST	T3C	EUV	C-II
143 R	179	50	1500	11.3	207.5	II/III	T3C	NC	C-II
106 R	133	60	1800	9.1	228.7	NST	T3C	EUV	C-II
138 R	173	60	1800	11.1	212.8	II/III	T3C	NC	C-II
163 R	204	60	1800	12.7	215.9	II/III	T3C	NC	C-II

Engine type approval available from ABS, BV, DNV, LR, NKK, RINA, CRS, CCS

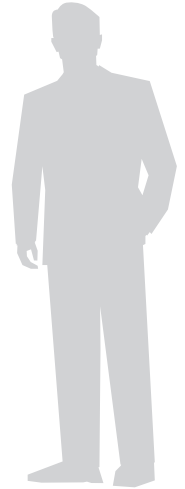
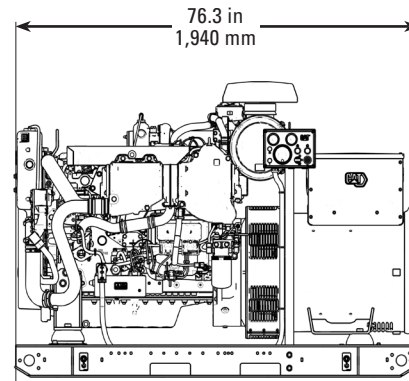
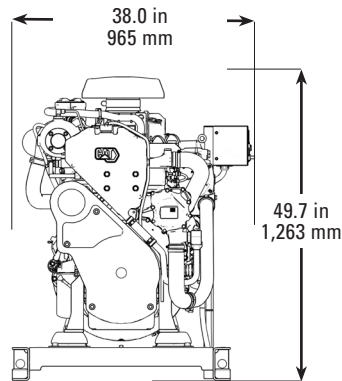
All ratings subject to IMO can be configured as an IMO II engine without aftertreatment

R – Radiator cooled ratings

ENGINE DIMENSIONS & WEIGHT

MARINE GENERATOR SET

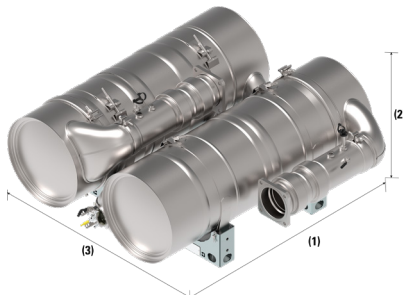
LENGTH	76.3 in / 1,940 mm
HEIGHT	49.7 in / 1,263 mm
WIDTH	38.0 in / 965 mm
DRY WEIGHT	3355 lb / 1,522 kg



AFTERTREATMENT

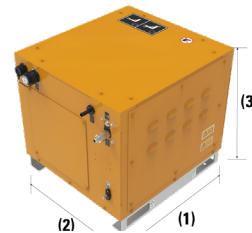
CLEAN EMISSION MODULE (CEM)

LENGTH (1)	40.79 in / 1,036.1 mm
WIDTH (2)	41.4 in / 1,050.7 mm
HEIGHT (3)	18.69 in / 474.7 mm
WEIGHT	300 lb / 136 kg



DOSING CABINET

LENGTH (1)	24.4 in / 620 mm
WIDTH (2)	22.4 in / 570 mm
HEIGHT (3)	22 in / 560 mm
WEIGHT	165 lb / 75 kg



For detailed dimensions and installation requirements, please refer to the latest revisions of the A&I guide (Media # LEBM0023)



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