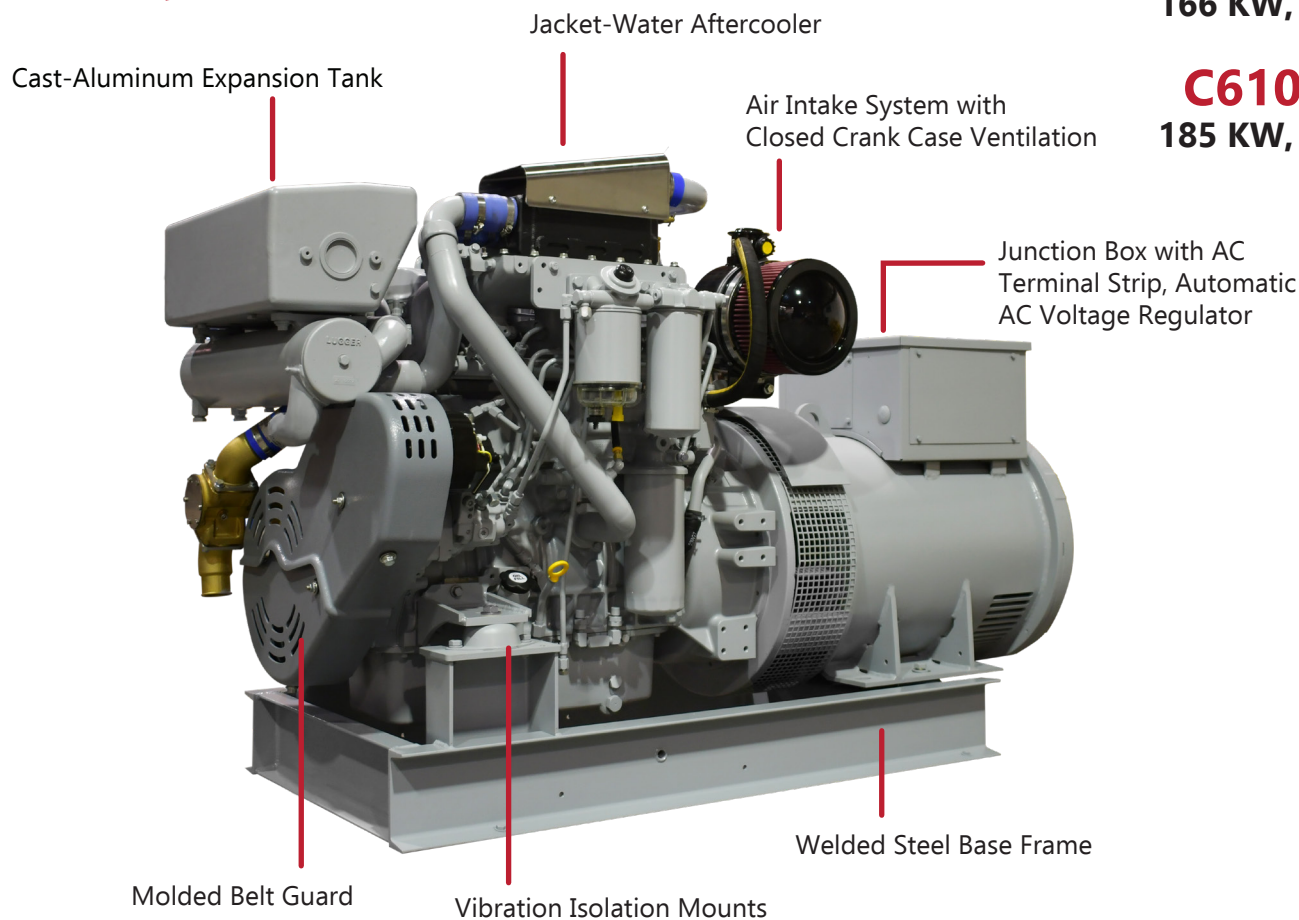




C6105A1
147 KW, 50 Hz

C6105A2
166 KW, 50 Hz

C6105A3
185 KW, 50 Hz



FEATURES & BENEFITS

Powered by Lugger

- Designed for the smallest possible footprint without sacrificing serviceability
- Minimal belts and hoses for longer life
- Reliable cast-iron, gear-driven freshwater and silicon bronze raw water pump

ENGINE BLOCK

- Six cylinder, four cycle, inline, liquid cooled, overhead valve marine diesels with replaceable wet liners
- Forged crankshaft
- Individual cylinder heads for ease of service
- Mass balancer improves vibration levels
- Heavy-duty, plate-type oil cooler
- Shaker pistons with oil gallery for improved cooling and performance

WORLD CLASS FEATURES

- Belt guard for operator safety
- Cast-iron thermostat housing for long life
- Configured for isochronous or droop speed control with integral electronic governor control supplied by ECU
- 300% short circuit protection with PMG - IP 23
- Welded steel base frame
- Operator and parts manual



| | C6105A1 | C6105A2 | C6105A3 |
|------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|
| | 147 KW, 50 Hz | 166 KW, 50 Hz | 185 KW, 50 Hz |
| Dimensions and Weight | | | |
| Length - in (mm) | 84.3 (2141) | 84.3 (2141) | 90.0 (2285) |
| Width - in (mm) | 39.35 (999) | 39.35 (999) | 39.35 (999) |
| Height - in (mm) | 45.1 (1146) | 45.1 (1146) | 45.1 (1146) |
| Weight - lbs (kg) | 3366 (1527) | 3366 (1527) | 3609 (1637) |
| Generator Data | | | |
| Voltage Regulation | +/-0.5% | +/-0.5% | +/-0.5% |
| Frequency Control | Isochronous / Droop | Isochronous/Droop | Isochronous/Droop |
| Phase and Power Factor - Standard | Three phase 0.8 | Three phase 0.8 | Three phase 0.8 |
| Generator Full Load Temp. Rise at 450C Ambient | 125° | 125° | 125° |
| Lugger Diesel Engine Data | | | |
| Inline Cylinder / Aspiration | I-6/Turbo-Aftercooled | I-6/Turbo-Aftercooled | I-6/Turbo-Aftercooled |
| Displacement - in ³ (ltr) | 439 (7.2) | 439 (7.2) | 439 (7.2) |
| Bore / Stroke - in (mm) | 4.13/5.39 (105/137) | 4.13/5.39 (105/137) | 4.13/5.39 (105/137) |
| Cooling System (Keel-Cooling Standard, Heat Exchanger Optional) | | | |
| Heat Rejection to Jacket-Water - BTU min | C/F | C/F | C/F |
| Freshwater Pump Capacity - gpm (lpm) | 50 (190) | 50 (190) | 50 (190) |
| Engine Only Approx. Cooling Capacity - gal (ltr) | 9.9 (37.5) | 9.9 (37.5) | 9.9 (37.5) |
| Heat Exchanger Approx. Cooling Capacity - gal (ltr) | 11.4 (43) | 11.4 (43) | 11.4 (43) |
| Raw Water Pump Capacity - gpm (lpm) | 40 (151) | 40(151) | 40 (151) |
| Max. Raw Water Pump Suction Head Lift - in (mm) | 39 (1000) | 39 (1000) | 39 (1000) |
| Raw Water Pump Inlet Hose ID - in (mm) | 2 (51) | 2 (51) | 2 (51) |
| Min. Raw Water Inlet/ Discharge Thru-Hull - in (mm) | 2 (51) | 2 (51) | 2 (51) |
| DC Electrical | | | |
| DC Starting Voltage - Standard (Optional) | 12 (24) | 12 (24) | 12 (24) |
| Min. Battery Capacity - amp hr | 150 | 150 | 150 |
| Min. Battery Size - CCA | 900 | 900 | 900 |
| Starter Rolling Amps at 0°C - 12V DC (24V DC) | 500 (C/F) | 500 (C/F) | 500 (C/F) |
| 12 Volt Battery Cable Size Up to 5ft (1.5m) - mm ² | 50 | 50 | 50 |
| Air | | | |
| Air Consumption - m ³ /m (cfm) | 12.1 (429) | 10.3 (362) | 11.4 (402) |
| Approx. Heat Radiated to Air; Engine & Generator - BTU/min | 2529 | 2845 | 3161 |
| Generator Cooling Air Flow 1&3Ø - m ³ /m (cfm) | 82.8 (2924) | 82.8 (2924) | 93 (3284) |
| Exhaust Gas Volume - kg/hr (lbs/min) | 886 (33) | 759 (28) | 843 (31) |
| Exhaust Gas Temp. - C°(F°) | 347° (657°) | 514° (957°) | 523° (973°) |
| Max. Exhaust Back Pressure - in H ² O (mm H ² O) | 30 (762) | 30 (762) | 30 (762) |
| Wet Exhaust Elbow OD - in (mm) | 5 (127) | 5 (127) | 5 (127) |
| Dry Exhaust Elbow - in (mm) | 4 (102) | 4 (102) | 4 (102) |
| Fuel | | | |
| Fuel Injection Pump Type and Control | Electronic (HPCR) | Electronic (HPCR) | Electronic (HPCR) |
| Min. Suction Line Size - in (mm) | 0.375 (10) | 0.375 (10) | 0.375 (10) |
| Min. Return Line Size - in (mm) | 0.375 (10) | 0.375 (10) | 0.375 (10) |
| Max. Fuel Transfer Pump Suction Lift - ft(m) | 3.28 (1) | 3.28 (1) | 3.28 (1) |
| Max. Fuel Flow to Transfer Pump - gph | C/F | C/F | C/F |
| Max. Fuel Return Line - psi | 5 | 5 | 5 |
| Approx. Fuel Rate at Full Load - gph (lph) | 11.47 (43.5) | 13.27 (50.23) | 15.02 (56.86) |
| Max Engine Operating Angle | | | |
| Continuous - Fore/Aft | 10° | 10° | 10° |
| Continuous - Side to Side | 22.5° | 22.5° | 22.5° |

C/F : Consult Factory