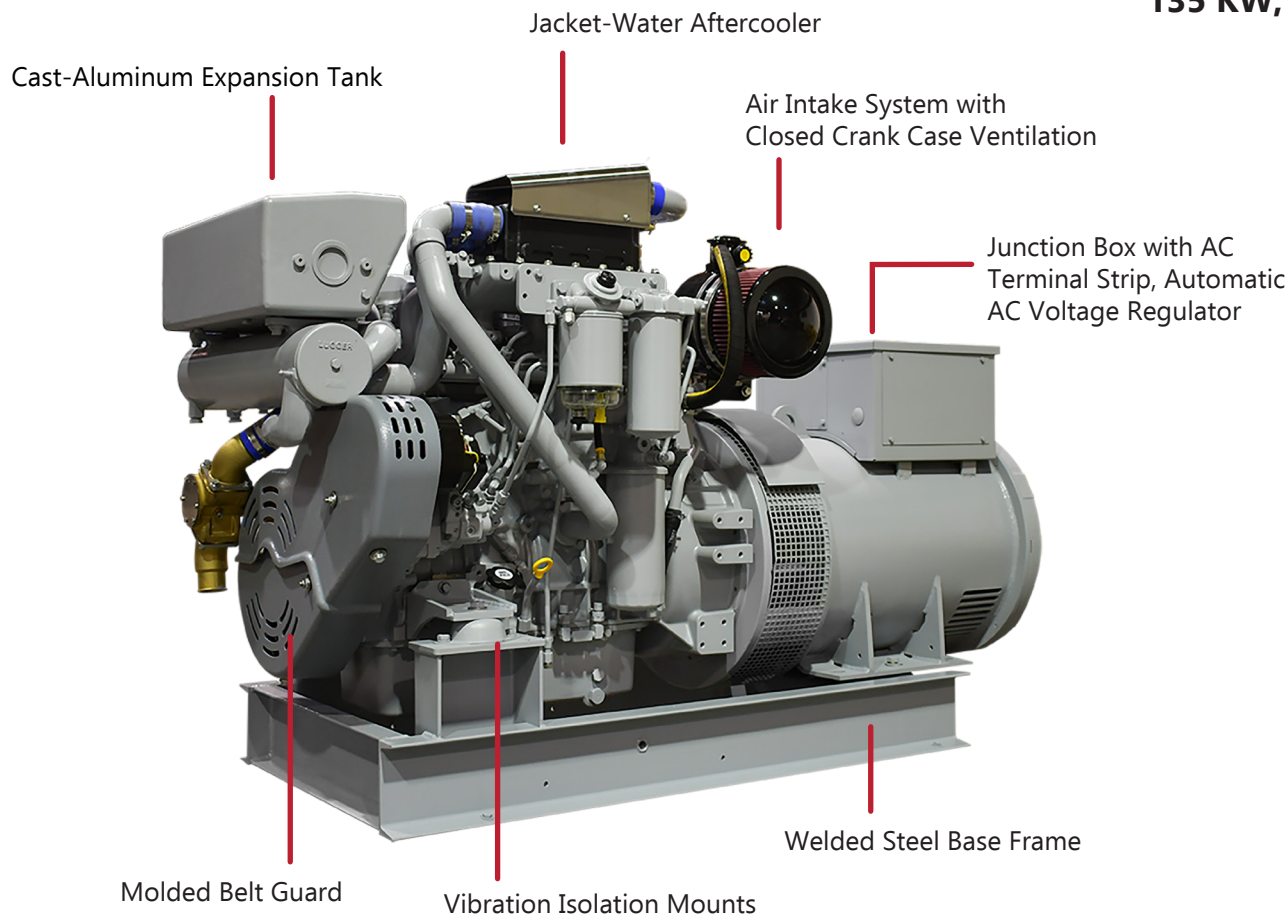




C4105A5
122 KW, 60 Hz

C4105A6
135 KW, 60 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

- Four 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



	C4105A5	C4105A6
	122 KW, 60 Hz	135 KW, 60 Hz
Dimensions and Weight		
Length - in (mm)	71.0 (1804)	71.0 (1804)
Width - in (mm)	39.35 (999)	39.35 (999)
Height - in (mm)	44.8 (1139)	44.8 (1139)
Weight - lbs (kg)	2762 (1119)	2762 (1119)
Generator Data		
Voltage Regulation	+/-0.5%	+/-0.5%
Frequency Control	Isochronous / Droop	Isochronous/Droop
Phase and Power Factor - Standard (Optional)	Three phase 0.8	Three phase 0.8
Generator Full Load Temp. Rise at 40°C Ambient	125°	125°
Lugger Diesel Engine Data		
Inline Cylinder / Aspiration	I-4/Turbo-Aftercooled	I-4/Turbo-Aftercooled
Displacement - in ³ (ltr)	293 (4.8)	293 (4.8)
Bore / Stroke - in (mm)	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
Freshwater Pump Capacity - gpm (lpm)	55 (210)	55 (210)
Engine Only Approx. Cooling Capacity - gal (ltr)	8.2 (31)	8.2 (31)
Heat Exchanger Approx. Cooling Capacity - gal (ltr)	9.7 (37)	9.77 (37)
Raw Water Pump Capacity - gpm (lpm)	47 (177)	47 (177)
Max. Raw Water Pump Suction Head Lift - in (mm)	39 (1000)	39 (1000)
Raw Water Pump Inlet Hose ID - in (mm)	2 (51)	2 (51)
Min. Raw Water Inlet/ Discharge Thru-Hull - in (mm)	2 (51)	2 (51)
DC Electrical		
DC Starting Voltage - Standard (Optional)	12 (24)	12 (24)
Min. Battery Capacity - amp hr	90	90
Min. Battery Size - CCA	750	750
Starter Rolling Amps at 0°C - 12V (24V)	420 (225)	420 (225)
12 Volt Battery Cable Size Up to 5ft (1.5m) - mm ²	50	50
Air		
Air Consumption - m ³ /m (cfm)	6.4 (226)	7.4 (260)
Approx. Heat Radiated to Air; Engine & Generator - BTU/min	1844	2069
Generator Cooling Air Flow 1&3Ø - m ³ /m (cfm)	72 (2542)	84 (2966)
Exhaust Gas Volume - kg/hr (lbs/min)	734 (27)	870 (32)
Exhaust Gas Temp. - C°(F°)	480° (896°)	459° (858°)
Max. Exhaust Back Pressure - in H ² O (mm H ² O)	30 (762)	30 (762)
Dry Exhaust Elbow - in (mm)	4 (102)	4 (102)
Wet Exhaust Elbow OD - in (mm)	5 (127)	5 (127)
Fuel		
Fuel Injection Pump Type and Control	Electronic (HPCR)	Electronic (HPCR)
Min. Suction Line Size - in (mm)	0.375 (10)	0.375 (10)
Min. Return Line Size - in (mm)	0.375 (10)	0.375 (10)
Max. Fuel Transfer Pump Suction Lift - ft (m)	3.28 (1)	3.28 (1)
Max. Fuel Flow to Transfer Pump - gph	C/F	C/F
Max. Fuel Return Line - psi	5	5
Approx. Fuel Rate at Full Load - gph (lph)	11.87 (44.93)	13.62 (51.56)
Max Engine Operating Angle		
Continuous - Fore/Aft	10°	10°
Continuous - Side to Side	22.5°	22.5°

C/F : Consult Factory