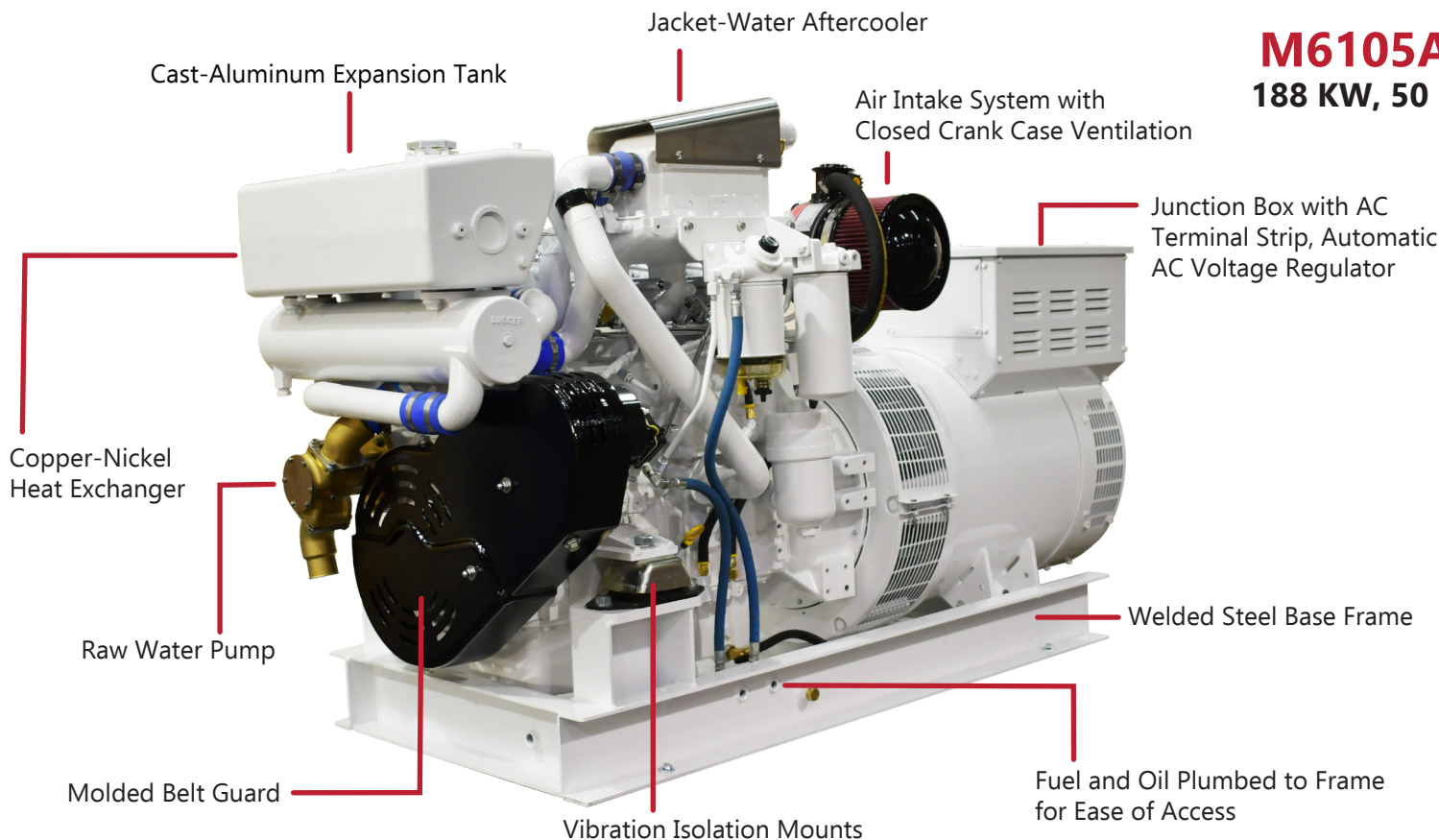




M6105A1
150 KW, 50 Hz

M6105A2
170 KW, 50 Hz

M6105A3
188 KW, 50 Hz



FEATURES & BENEFITS

Powered by Luger

- 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 via auxiliary winding generator-PMG not required but optionally available
- Welded steel base frame
- Sparkling white two-part polyurethane paint
- Operator and parts manual



	M6105A1	M6105A2	M6105A3
	150 KW, 50 Hz	170 KW, 50 Hz	188 KW, 50 Hz
Dimensions and Weight			
Length - in (mm)	90.0 (2285)	90.0 (2285)	90.0 (2285)
Width - in (mm)	37.6 (955)	37.6 (955)	37.6 (955)
Height - in (mm)	43.0 (1092)	43.0 (1092)	43.0 (1092)
Weight - lbs (kg)	3545 (1608)	3700 (1678)	3700 (1678)
Dimensions and Weight with Optional Sound Enclosure			
Length - in (mm)	91.4 (2321)	91.4 (2321)	91.4 (2321)
Width - in (mm)	42.0 (1067)	42.0 (1067)	42.0 (1067)
Height - in (mm)	45.0 (1143)	45.0 (1143)	45.0 (1143)
Weight - lbs (kg)	4225 (1917)	4380 (1987)	4380 (1987)
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 45°C Ambient	110°	110°	110°
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 (Heat Exchanger Standard, Keel-Cooling 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)
Heat Exchanger Approx. Cooling Capacity - gal (ltr)	11.4 (43)	11.4 (43)	11.4 (43)
Engine Only Approx. Cooling Capacity - gal (ltr)	9.9 (37.5)	9.9 (37.5)	9.9 (37.5)
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 (24V)	C/F	C/F	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	2159	2429	2699
Generator Cooling Air Flow 1&3Ø - m ³ /m (cfm)	29 (1017)	29 (1017)	29 (1017)
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)	11.48 (43.46)	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