



**M6105A4**

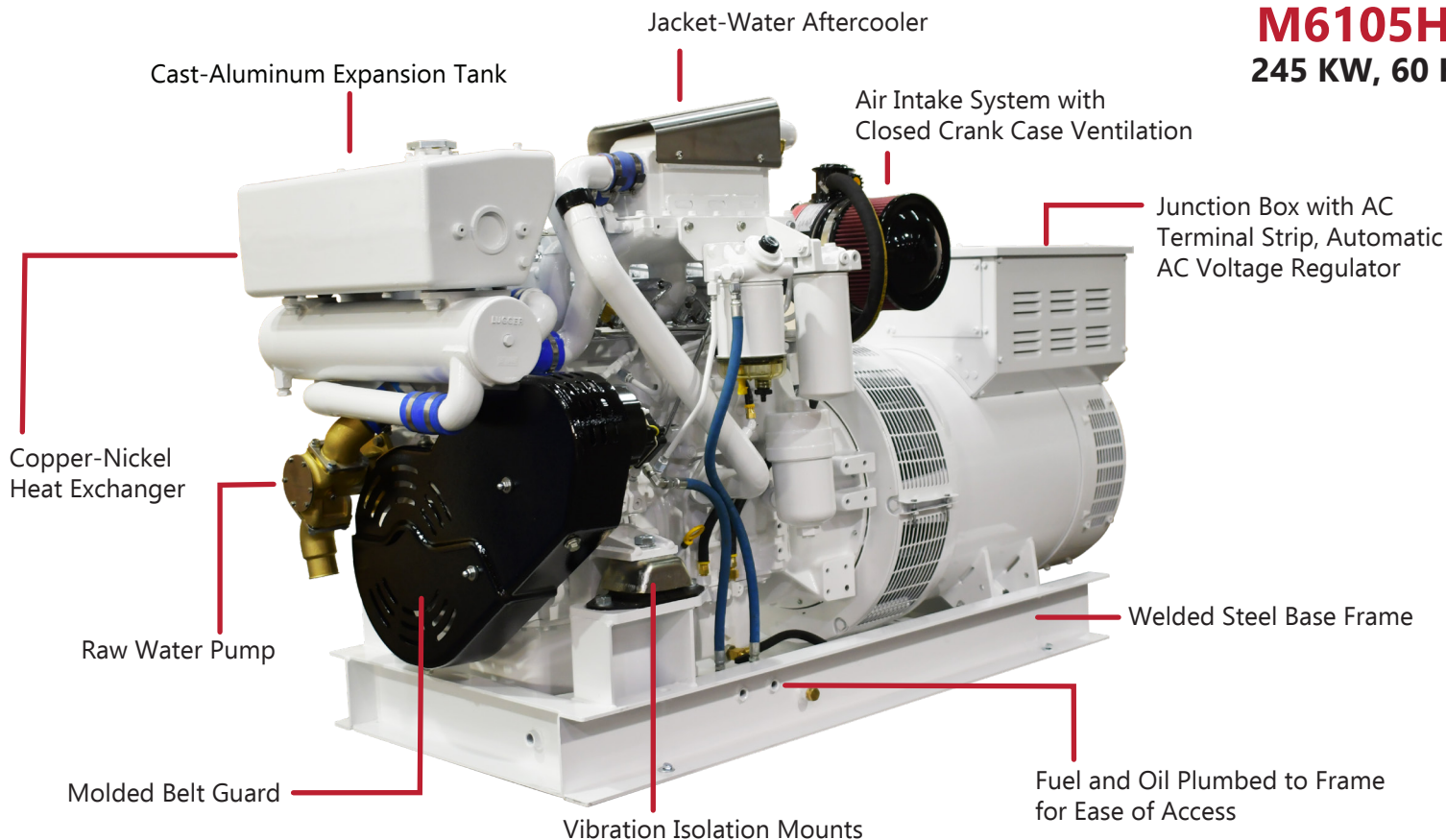
195 KW, 60 Hz

**M6105A5**

223 KW, 60 Hz

**M6105H1**

245 KW, 60 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



	<b>M6105A4</b>	<b>M6105A5</b>	<b>M6105H1</b>
	195 KW, 60 Hz	223 KW, 60 Hz	245 KW, 60 Hz
<b>Dimensions and Weight</b>			
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)	3700 (1678)	3700 (1678)	3999 (1814)
<b>Dimensions and Weight with Optional Sound Enclosure</b>			
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)	4380 (1987)	4380 (1987)	4679 (2122)
<b>Generator Data</b>			
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°
<b>Lugger Diesel Engine Data</b>			
Inline Cylinder / Aspiration	I-6/Turbo-Aftercooled	I-6/Turbo-Aftercooled	I-6/Turbo-Aftercooled
Displacement - in <sup>3</sup> (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)
<b>Cooling System (Heat Exchanger Standard, Keel-Cooling Optional)</b>			
Heat Rejection to Jacket-Water - BTU min	C/F	C/F	C/F
Freshwater Pump Capacity - gpm (lpm)	55 (210)	55 (210)	55 (210)
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)	47 (177)	47 (177)	47 (177)
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)
<b>DC Electrical</b>			
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 <sup>2</sup>	50	50	50
<b>Air</b>			
Air Consumption - m <sup>3</sup> /m (cfm)	15.8 (559)	16.8 (593)	15.8 (559)
Approx. Heat Radiated to Air; Engine & Generator - BTU/min	2789	3148	3508
Generator Cooling Air Flow 1&3Ø - m <sup>3</sup> /m (cfm)	34.8 (1228)	34.8 (1228)	34.8 (1228)
Exhaust Gas Volume - kg/hr (lbs/min)	1161 (43)	1235 (45)	1167 (43)
Exhaust Gas Temp. - C°(F°)	450° (842°)	483° (901°)	495° (923°)
Max. Exhaust Back Pressure - in H <sup>2</sup> O (mm H <sup>2</sup> 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)
<b>Fuel</b>			
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)	16.61 (62.88)	17.92 (67.83)	19.3 (73.1)
<b>Max Engine Operating Angle</b>			
Continuous - Fore/Aft	10°	10°	10°
Continuous - Side to Side	22.5°	22.5°	22.5°

C/F : Consult Factory