

**WETA "Gemini" Specifications****BOAT BUILDER**

Nichols Brothers
Kvichak Marine

DESIGNER

Incat Crowther

OWNER

San Francisco Bay Water
Emergency Transportation
Authority

LENGTH (LOA)

118 ft. (36 m)

BEAM

28 ft. 8 in. (8.74 m)

DRAFT (HULL)

5 ft. 5 in. (1651 mm)

DRAFT (PROP)

6 ft. 2 in. (1880 mm)

HULL MATERIAL

Aluminum

CRUISE SPEED

25 knots

CERTIFICATION

USCG Subchapter T

NORTHERN LIGHTS M1064T2**60 Hz @ 1800 rpm**

65 kW

BORE

4.19 in. (106 mm)

STROKE

5.0 in. (127 mm)

DISPLACEMENT

276 cid (4.5 ltr)

FUEL SYSTEM

Electric DE10

The San Francisco Bay Area Water Emergency Transportation Authority (WETA) was given a task that was simple but daunting: design and build the most environmentally responsible ferry boat ever commissioned. The boat was mandated to meet emission standards 85% better than the EPA Tier 2 Standards.

The result was the 118 ft. aluminum hull Gemini, built by Nichols Brothers and Kvichak. For a vessel that required the best emissions production in the United States, who did WETA and their builders chose for power production? The Northern Lights 65kW M1064T2.

Based on a heavy-duty industrial engine block, Northern Lights generator sets are built for long-term reliability and unwavering durability. The M1064T2 features an electronically controlled fuel injection for higher power with lowered emissions. Extra output is enabled by a turbocharger that is freshwater cooled for safety.

Additional features like reliable relay-based DC systems, a durable fresh water-cooled, cast iron exhaust manifold and ease of maintenance provided by single-side service points add up to an ideal power generation system, for even the most demanding passenger and commercial vessel operators.

WETA's long term project for the bay includes a second 149-passenger ferry, the Pisces, as well as a pair of 199-passenger vessels, Scorpio and Taurus. Wherever the requirement exists for clean, efficient, and reliable power products, Northern Lights generator sets meet the challenge.