



### 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.