



## TSIKLON-250M

### SEA PASSENGER HYDROFOIL PROJECT 23170

#### BASIC FUNCTIONS

High-speed passenger transportation (up to 320 persons) using aviation-type seats by sea and in the coastal ocean during day and night time.

#### CLASSIFICATION

Russian Maritime Register of Shipping  
KM [2] Hydrofoil craft Passenger - A

#### OPERATION REGION AND CONDITIONS

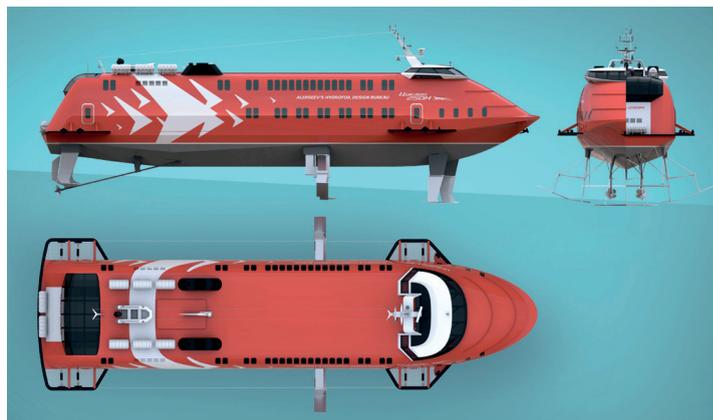
Climatic category - General "OM" (excluding winter operation).  
Maximum distance from the port - up to 50 miles.  
Distance between the ports - up to 100 miles.  
Operational temperature: +5° ... +30°C.  
Sea water temperature: +5° ... +30°C.  
Air humidity: up to 80% at a temperature +30°C.

#### SEAKEEPING

Foilborne,  $h_{w3\%}$  - 3.0 m (wind force four).  
Hullborne draft,  $h_{w3\%}$  - 3.5 m (Beaufort wind force five) - safety cruising.

#### MAIN ENGINES

Type: 2 x M70FRU (NPO Saturn JSC, Russia)  
Total power max: 2 x 10300 kW  
Specific fuel rate: 2 x 2399.9 kg/h



#### TECHNICAL SPECIFICATIONS

Length overall, m	42.6
Beam, m	11.2
Depth at foilborne, m	14.3
Hullborne draft, m	4.5
Full displacement, t	210.0
Passengers	up to 320
Crew	7
Service speed at smooth water, knots (km/h)	55 (100)
Maximum range at full-load displacement and fuel reserve, miles (km)	up to 700 (1300)
Cruising endurance, hours	8