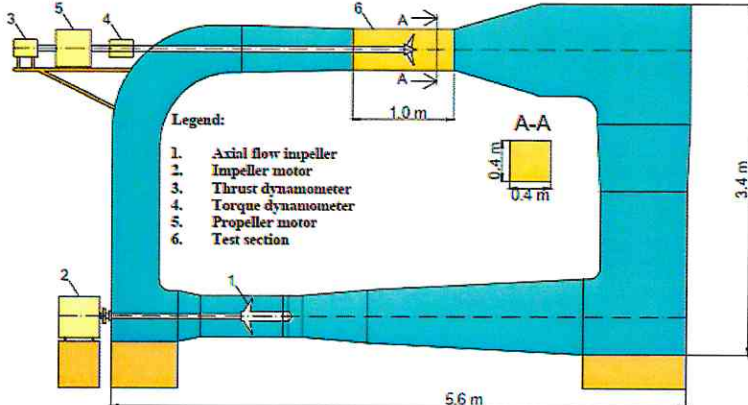



Name of organization "Dunarea de Jos" University of Galati (UDJG), Romania		Year of information updating 2020
Year established 1951		Year of joining the ITTC
Address Domneasca Street, 47, 800008, Galati, Romania		Status in the ITTC
Contact details (phone, fax, e-mail) Phone: +40 336 130 109 Fax: +40 236 461 353 E-mail: Rectorat@ugal.ro		Website www.ugal.ro
Type of facility Cavitation Tunnel	Year constructed/upgraded 1978/2020	
Name of facility UDJG Cavitation Tunnel	Location (if different from the above address) Stiintei Street, 2, 800146, Galati, Romania	
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Dimensions of tunnel: length=5.6 m, width=0.9 m, height=3.4 m; Dimensions of measuring section: length=1 m, width=0.4 m, height=0.4 m.		
Drawings of facility		
		
		
Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)		
Description of cavitation tunnel		
<ul style="list-style-type: none"> ➤ Vertical plane; ➤ Closed recirculating type; ➤ Electricity supply of 380 V, 32 A, 50 Hz single phase; ➤ Minimum cavitation number of 2.5; ➤ Maximum propeller diameter of 0.26 m; ➤ Maximum water velocity of 4.5 m/s; ➤ Data acquisition and analysis system. 		
Impeller drive system and total power		
<ul style="list-style-type: none"> ➤ Impeller with three blades and variable pitch; ➤ Impeller diameter of 0.4 m; ➤ Motor power of 15 kW and 720 RPM. 		

Propeller drive

- Motor power of 3 kW and 1425 RPM.

Instrumentation

Dynamometers

- Thrust dynamometer;
- Torque dynamometer.

Pressure transducers

- Pitot tubes.

Strobe lights

- Stroboscope.

Applications (Tests performed)

- Open water propeller tests;
- Cavitation observation tests.

Published description (Publications on this facility)

- Ceanga, V., Study on the variable blades propellers of the ships propulsion system, Doctoral thesis, University of Galati, 1980 (in Romanian);
- www.naoe.ugal.ro