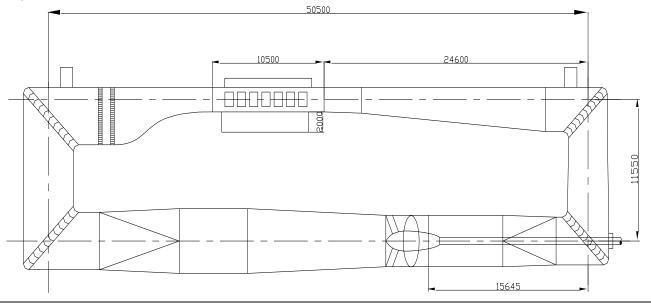
Name of organization China Ship Scientific Research Center (CSSRC)	Year of information updating 2017
Year established	Year of joining the ITTC
1951	1978
Address	Status in the ITTC
No.222 East Shanshui Road, Wuxi, Jiangsu 214082, P.R. China	AC member
Contact details Tel: +86 510 8555 8639 Fax: +86 510 8555 8103 Email: info@cssrc.com.cn	Website http://www.cssrc.com/

Type of facility #3 Cavitaion tunnel	Year constructed/Latest upgraded 2001/2017
Name of facility #3-2 Great Cavitation Tunnel	Location (if different from the above address)

Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Test section: 10.5m (length) $\times 2.2m$ (width) $\times 2.0m$ (depth)

Drawings of facility

Side-view plan



Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)

Test section: water speed, 1~15m/s; pressure: 30kPa~350kPa

Dynamometer for screw propeller: R51-01s, 1200N & 60Nm; R51-01, 2000N &120Nm;

Dynamometer for POD/Azimuth: H101, 600N & 30Nm

Series of 6-component load cells for POD unit: maximum, 800N & 50Nm PIV system: TSI, 380mJ/pulse; measurement area, 300mm×250mm;

High-speed camera: 10k frames per second;

Pressure sensor: KYOWA-PGMC-A, 200kPa; 505AG, 200kPa; PCB HTM;

Hydrophones: B&K 8103; B&K 8105

Applications (Tests performed)

Commercial service for ship model tests, mainly for

Cavitation survey; Pressure fluctuation;

Hydrodynamic performance of propeller behind ship;

Flow visualization;

Flow field;

Hydro acoustics.

Published description (Publications on this facility)

None