

<b>Name of organization</b> China Ship Scientific Research Center (CSSRC)		<b>Year of information updating</b> 2017
<b>Year established</b> 1951		<b>Year of joining the ITTC</b> 1978
<b>Address</b> No.222 East Shanshui Road, Wuxi, Jiangsu 214082, P.R. China		<b>Status in the ITTC</b> AC member
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<b>Type of facility #3</b> Cavitation tunnel	<b>Year constructed/Latest upgraded</b> 1973/2003	
<b>Name of facility #3-1</b> Cavitation Tunnel	<b>Location</b> (if different from the above address)	
<b>Main characteristics</b> (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Test Section: $\Phi 0.8\text{m} \times 3.2\text{m}$ (length)		
<b>Drawings of facility</b> Side-view plan		
<b>Detailed characteristics</b> (carriages, wave/current/wind generators, instrumentations, etc.) Test section: water speed, 3~20m/s; pressure: 10kPa~400kPa; Maximum propeller diameter: 0.4m; Dynamometer for screw propeller: H51, 3000N & 200Nm; 2D-LDV: TSI, 0~100m/s Stereo-PIV: 200mj(Laser), 4MP(Camera), 200×300mm(FOV) High Speed Video: SA4, 1MP@3600Hz		
<b>Applications</b> (Tests performed) Commercial service for propeller model tests, mainly for Hydrodynamic forces of propeller under cavitation condition, Dummy model test for cavitation observation and pressure fluctuation measurement, Cavitation inception test, and Flow field measurement.		
<b>Published description</b> (Publications on this facility) None		