

Name of organization China Ship Scientific Research Center (CSSRC)		Year of information updating 2017
Year established 1951		Year of joining the ITTC 1978
Address No.222 East Shanshui Road, Wuxi, Jiangsu 214082, P.R. China		Status in the ITTC 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 #2 Wind Tunnel	Year constructed/Latest upgraded 1970/2005	
Name of facility #2-1 Low Speed Wind 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: 8.5m (length)×3m (width)×3m (height)		
Drawings of facility		
<p>Top-view plan</p>		
<p>Cross section-view plan</p>		
Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)		
<p>Wind Speed: 3-93m/s; Turbulence intensity $\leq 0.1\%$; Flow deflection $\leq 0.1^\circ$ Maximum ship model length: 4m Load cells: 6-component balance of pyramidal type; Series of 6-component balances of strain gauge type Pressure Scanning System: PSI 8400 with DTC, 512 pts Hotwire Anemometer: Dantec Streamline 90, 12 CTA channels Laser Doppler Anemometer: Dantec Flow Explorer 2D</p>		
Applications (Tests performed)		
<p>Commercial service mainly for:</p> <ul style="list-style-type: none"> Wind loads on ship superstructure, ocean engineering structures, high buildings, and etc. Current loads on ship, ocean engineering structures, and etc. Wind field measurement on ship deck, helicopter deck of ocean platform, and etc. Streamline visualization with painting, tufts, or smoke 		
Published description (Publications on this facility)		
None		