

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/

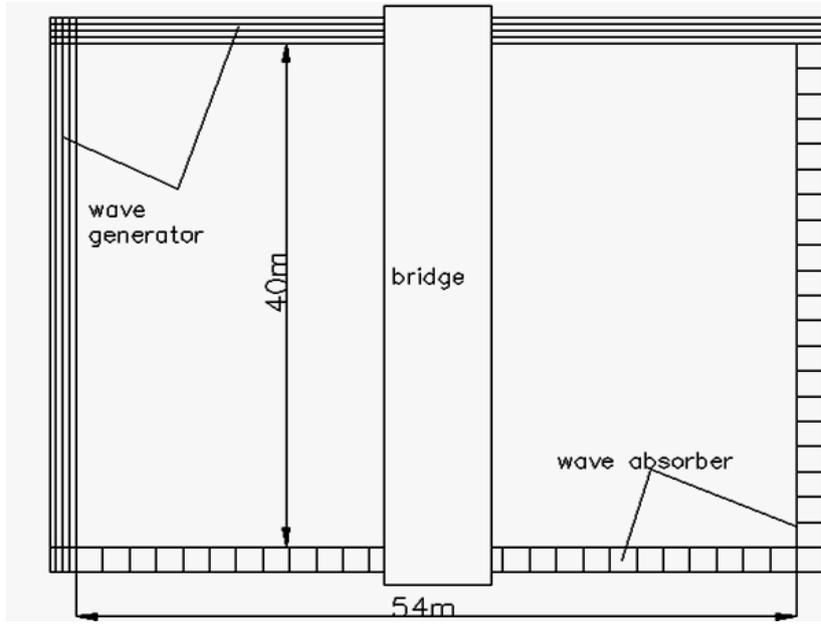
Type of facility #5 Wave Basin	Year constructed/Latest upgraded 2016
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Name of facility #5-2 Deep Water Ocean Basin	Location (if different from the above address)
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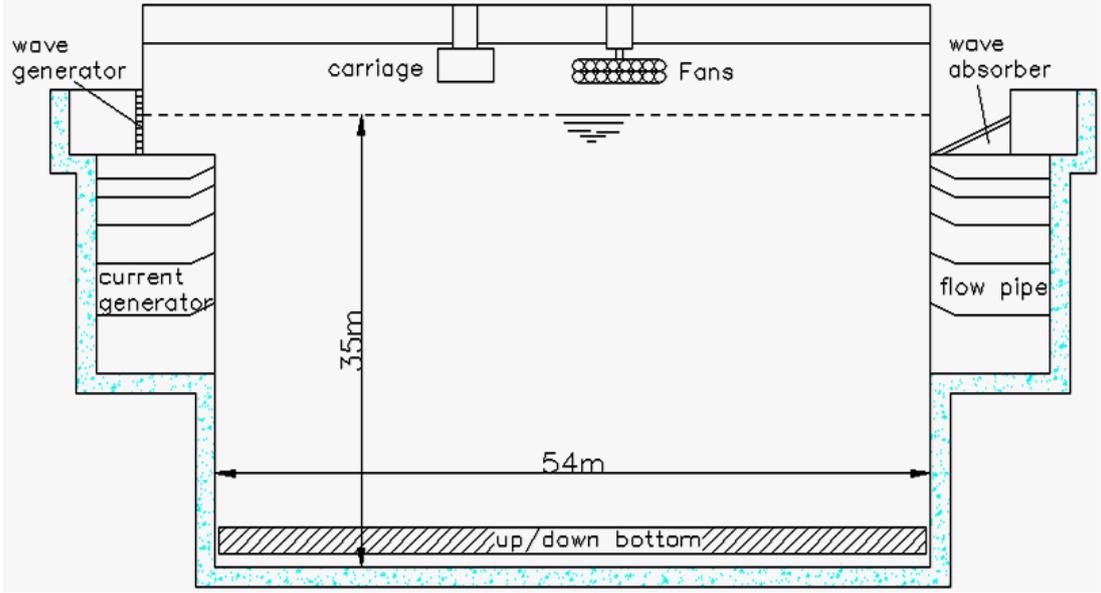
Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top)
54m (length)×40m (width)×35m (depth)

Drawings of facility

Top-view plan



Corss-section-view plan



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

Wave generators: flap-type wave maker of 235 segments mounted along the adjacent short and long sides of tank;
Beach: cement gratings on parabolic arc of 7m length, mounted along the opposite sides of wave generators;
Regular waves: maximum wave height 400mm; wave period 0.4-4s;
Irregular waves: maximum significant wave height 300mm.
Current generators: built in the short side; uniform and profile current, maximum surface current velocity 0.6m/s
Wind generators: two layers fans mounted in the bridge; maximum wind speed 15m/s
Motion measuring: DOF optical tracking system

Applications(Tests performed)

Commercial service for ocean engineering model tests in waves/current/wind, mainly for
Motion Response of ocean engineering structures,
Wave loadings,
Green water,
Mooring forces
Air gap,
Slamming Pressure,
Installation in sea

Published description (Publications on this facility)

None