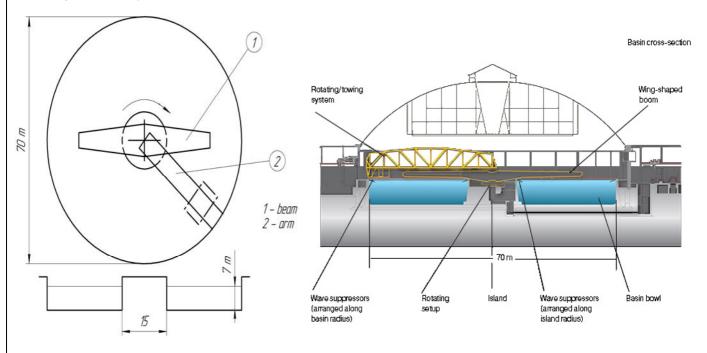
Name of organization Krylov State Research Centre	Year of information updating 2016
Year established 1894	Year of joining the ITTC 1955
Address Russian Federation, Saint-Petersburg, Moskovskoe shosse, 44	Status in the ITTC member organization
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Type of facility Rotating arm facility	Year constructed/upgraded 1965
Name of facility Circular model basin	Location same

Main characteristics basin diameter: 70 m rotating speed – 52 m/s basin depth: 7 m

Drawings of facility



Detailed characteristics

Description of carriages: 1 – rotating wing-shaped beam with drive system,

2 – rotating arm with a cabin without drive system of its own, it is towed by the beam;

manned carriage

Type of drive system and total power: motor driving with Ward-Leonard control, 2100 kW

Max towing (carriage) speed: rotating beam speed (at the radius 24 m) - 52 m/s;

rotating arm speed (at the radius 30 m) – 15 m/s;

Radius range: for wing-shaped beam four present radii positions - 10 m, 14 m, 17 m, 24 m;

for arm with a cabin trajectory radius range is 10 m - 30 m

Applications

Instrumentation: dynamometers

Model size range: ship lengths from 2.0 m to 6.0 m

Model tracking techniques: none

Tests performed: hydrodynamic forces on model hull and appendages

Published description

Proceedings of 12 International Towing Tank Conference, Madrid, 1969, p.638

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