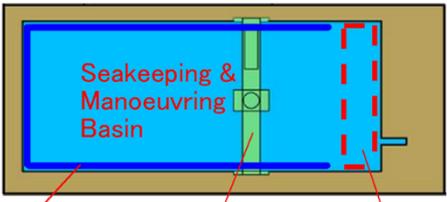
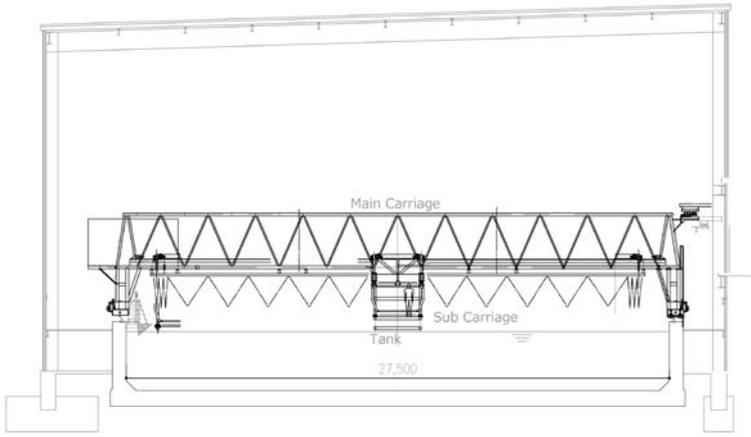


| | | |
|---|--|--|
| Name of organization Imabari Ship Model Basin, Imabari Shipbuilding Co., LTD. | | Year of information updating 2021 |
| Year established 2018 | | Year of joining the ITTC 2021 |
| Address Showa-Cho 30, Marugame, Kagawa Pref., 763-8511, Japan | | Status in the ITTC Member |
| Contact details (phone, e-mail) Imabari Ship Model Basin, +81(0)-80-2851-9148 Imabari Shipbuilding Co., LTD. +81(0)-898-36-5000 info@imazo.com | | Website www.imazo.co.jp.e.ajw.hp.transer.com |
| Type of facility Square Basin | Year constructed/upgraded Constructed 2018 | |
| Name of facility Seakeeping & Manoeuvring Basin | Location | |
| Main characteristics Length 65m, Width 27.5m, Depth 3m | | |
| Drawings of facility | | |
| Top-view plan | | |
|  <p style="text-align: center;">Wavemaker Towing Carriage beach</p> | | |
| Cross-section-view plan | | |
|  | | |
| Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.) | | |
| <u>Seakeeping & Manoeuvring Basin</u> | | |
| <ul style="list-style-type: none"> • Steel truss structured carriage • Sub carriage with turn table, partially aluminum frame • 4 wheels motor driven, AC inverter motor • Maximum main carriage speed 2.5m/s, acceleration $\pm 0.005 - 0.060g$ • Maximum sub carriage speed 2.5m/s, turn table $\pm 36\text{deg/s}$ • Auto trucking system : Optical tracking system • Standard model size : 3 - 4.5m • Wave generator : plunger type, 251 units are arranged on 3 sides of the tank • Wave mode : Regular, Irregular, Absorbing • Wave generation capacity : Length 0.4 - 18m, Max.height 0.2m | | |

Applications (Tests performed)

- Manoeuvring test, free-running and captive motion test
- Seakeeping test in regular and irregular waves
- Measurement of added wave resistance

Published description (Publications on this facility)