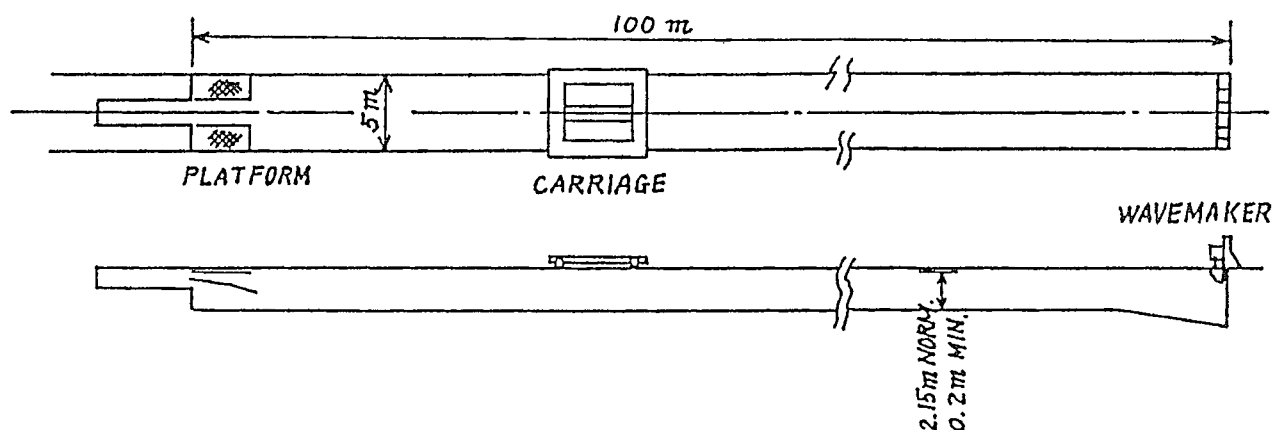


INTERNATIONAL TOWING TANK CONFERENCE CATALOGUE OF FACILITIES  
TOWING TANKS, SEAKEEPING AND MANOEUVRING BASINS

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JAPAN

SMALL TOWING TANK ( 1978 )



DESCRIPTION OF CARRIAGE: motor driven

TYPE OF DRIVE SYSTEM AND TOTAL POWER: Thyristor Leonard with digital differential analyzer, 44 kW

MAXIMUM CARRIAGE SPEED: 4 m/s

OTHER CAPABILITIES:

WAVE GENERATION CAPABILITY: regular and irregular, slope: over 1/7 ( $0.4\text{m} \leq \lambda \leq 2.5\text{m}$ ), over 1/30 ( $2.5\text{m} \leq \lambda \leq 9\text{m}$ )

WAVEMAKER TYPE AND EXTENT: electrically driven plunger type, 6 blocks, 5 m wide

REACH TYPE AND LENGTH: 1 layer of corrugated panels, 4.2 m

WAVE MEASUREMENT: ultrasonic and capacity type probes on carriage and tank wall

INSTRUMENTATION: propeller dynamometer  
measuring apparatus of motion in 4-degree of freedom  
forced oscillation apparatus in 6-degree of freedom  
measuring apparatus of 6-components wave force

MODEL SIZE RANGE: ship lengths from 3 to 4 m

TEST PERFORMED: resistance in calm water & waves, propeller related tests  
manoeuvring & seakeeping performance tests of ships and offshore structures

PUBLISHED DESCRIPTION:

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