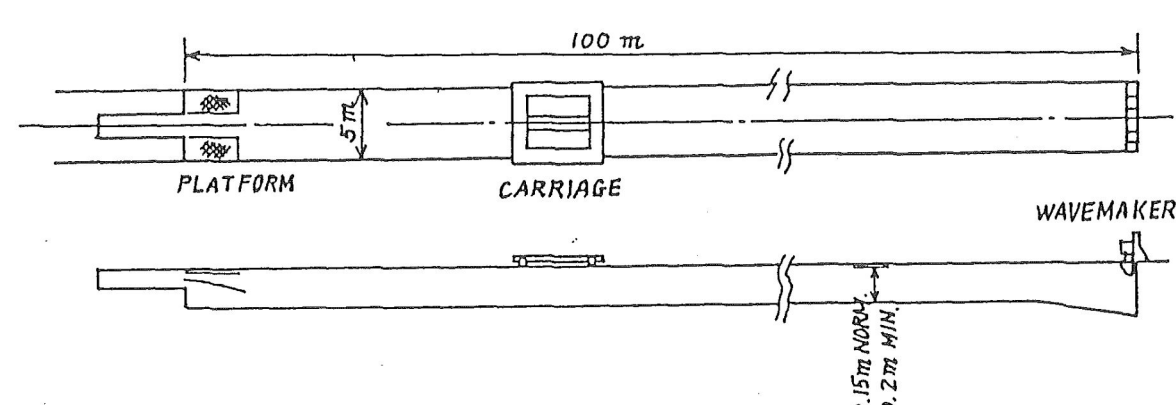


INTERNATIONAL TOWING TANK CONFERENCE CATALOGUE OF FACILITIES
TOWING TANKS, SEAKEEPING AND MANOEUVRING BASINS

TSUNEISHI AKISHIMA LABORATORY Co., Ltd. 1-50 Tsutsujigaoka 1-chome Akishima Tokyo 196-0012 Japan	JAPAN
SMALL TOWING TANK (1978)	
	
<p>DESCRIPTION OF CARRIAGE: motor driven</p> <p>TYPE OF DRIVE SYSTEM AND TOTAL POWER: Thyristor Leonard with digital differential analyzer, 44 kW</p> <p>MAXIMUM CARRIAGE SPEED: 4 m/s</p> <p>OTHER CAPABILITIES:</p>	
<p>WAVE GENERATION CAPABILITY: regular and irregular, slope: over 1/7 ($0.4\text{m} \leq \lambda \leq 2.5\text{m}$), over 1/30 ($2.5\text{m} \leq \lambda \leq 9\text{m}$)</p> <p>WAVEMAKER TYPE AND EXTENT: electrically driven plunger type, 6 blocks, 5 m wide</p> <p>BEACH TYPE AND LENGTH: 1 layer of corrugated panels, 4.2 m</p> <p>WAVE MEASUREMENT: ultrasonic and capacity type probes on carriage and tank wall</p>	
<p>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</p> <p>MODEL SIZE RANGE: ship lengths from 3 to 4 m</p> <p>TEST PERFORMED: resistance in calm water & waves, propeller related tests manoeuvring & seakeeping performance tests of ships and offshore structures</p>	
<p>PUBLISHED DESCRIPTION: published in Mitsui Tech. Review in 1980</p>	