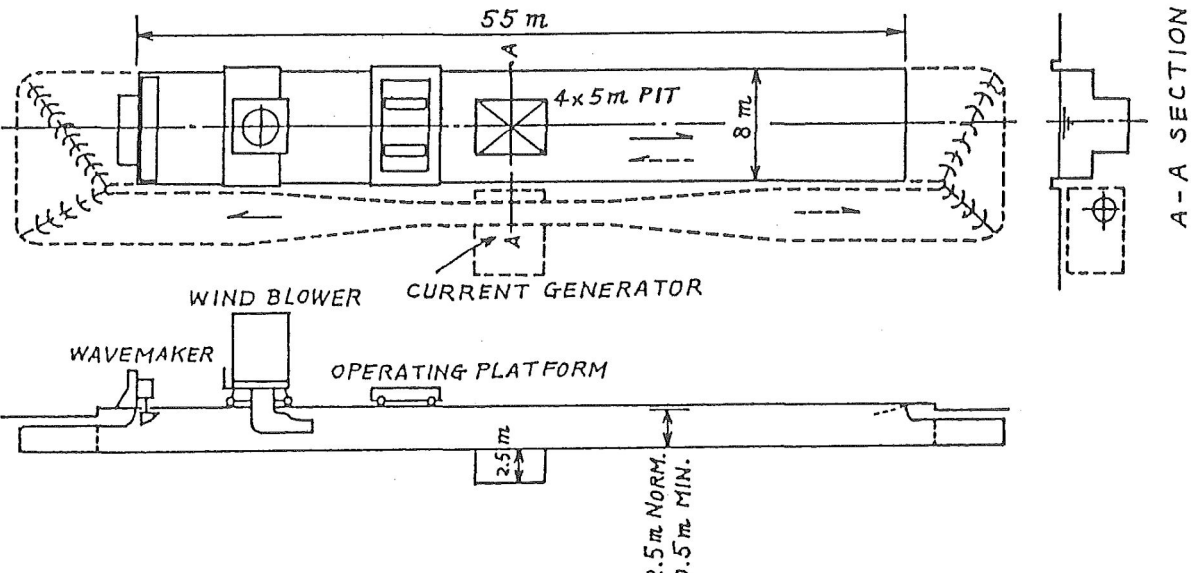


INTERNATIONAL TOWING TANK CONFERENCE CATALOGUE OF FACILITIES
TOWING TANKS, SEAKEEPING AND MANOEUVRING BASINS

TSUNEISHI AKISHIMA LABORATORY Co., Ltd. 1-50 Tsutsujigaoka 1-chome Akishima Tokyo 196-0012 Japan	JAPAN
CURRENT WATER TANK (1978)	
	
DESCRIPTION OF CARRIAGE: motor driven operating platform	
WAVE GENERATION CAPABILITY: regular and irregular, slope: over 1/7 ($0.4\text{m} \leq \lambda \leq 3\text{m}$), wave height over 45 cm ($3\text{m} \leq \lambda \leq 8\text{m}$), over 30 cm ($8\text{m} \leq \lambda \leq 15\text{m}$)	
WAVE MEASUREMENT: ultrasonic and capacity type probes on carriage	
WAVEMAKER TYPE AND EXTENT: electrically driven plunger type, 8 m wide	
CURRENT GENERATION CAPABILITY: max. velocity at working section 0.5 m/s, re- versible MOTOR POWER: 250 kW, 1750 rpm	
WIND GENERATION CAPABILITY: regular, cyclic and gusty, max. 20 m/s TYPE OF DRIVE SYSTEM: 6-bladed axial flow impeller with Thyristor Leonard control	
INSTRUMENTATION: measuring apparatus of motion in 6-degree of freedom forced oscillation apparatus measuring apparatus of 6-components wave force MODEL SIZE RANGE: offshore structures up to 2 m in diameter TEST PERFORMED: performance tests of offshore structures of floating type, gra- vity type, as well as sea-bed securing or mooring type	
PUBLISHED DESCRIPTION: published in Mitsui Tech. Review in 1980	