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

SEOUL NATIONAL UNIVERSITY SHIP MODEL TOWING TANK (SNUTT)

KOREA

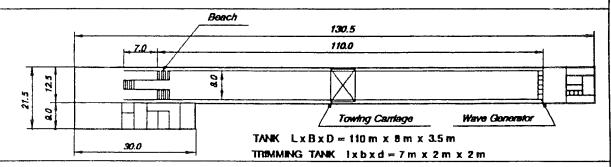
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DESCRIPTION OF CARRIAGES: 1 manned box-girder type carriage, motor driven TYPE OF DRIVE SYSTEM AND TOTAL POWER: direct current thyristor control

18.5 Kw DC motor x 4 EA

MAXIMUM CARRIAGE SPEED : 5.0 m/s

OTHER CAPABILITIES:

WAVE GENERATION CAPABILITY: regular waves, length 0.25-6.25 m

period 0.4-2.0 sec., height 0-0.3 m,

irregular waves with significant wave height of 0.3 m

WAVEMAKER TYPE AND EXTENT: servo hydraulically controlled flap type wave generator,

20 segmented, wave absorbing operation applicable

BEACH TYPE AND LENGTH: rectangular cross bars on curved structure, length 7.0 m WAVE MEASUREMENT: portable capacitance type wave probes on carriage and tank walls

INSTRUMENTATION: data acquisition and on-line processing by desk-top computer

MODEL SIZE RANGE: ship lengths from 1.5 to 5.0 m

MODEL TRACKING TECHNIQUES: measuring guides on carriage

TEST PERFORMS: propulsion tests in calm water and waves

seakeeping and manoeuvring tests

measurements of motion and load on moored floating bodies

other experiments

PUBLISHED DESCRIPTION: