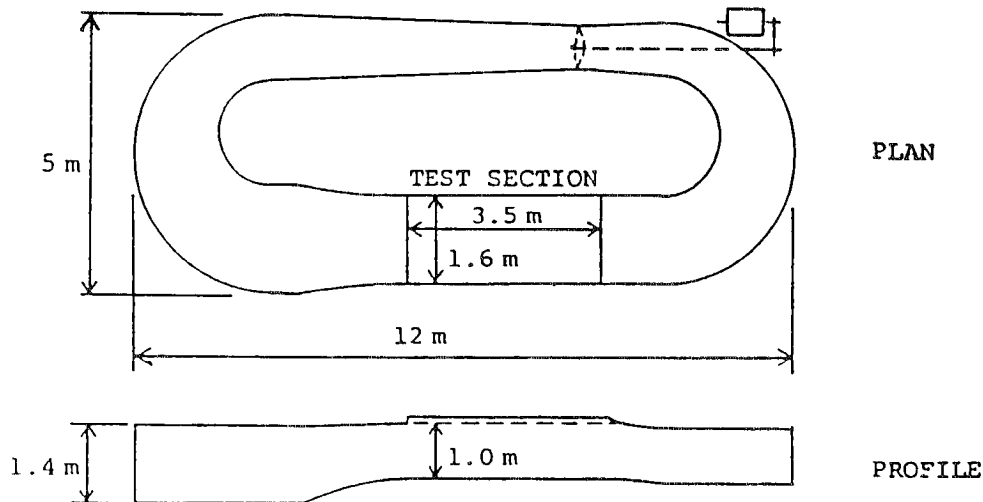


INTERNATIONAL TOWING TANK CONFERENCE - CATALOGUE OF FACILITIES
TOWING TANKS, SEAKEEPING AND MANOEUVRING BASINS

OSAKA UNIVERSITY
DEPARTMENT OF NAVAL ARCHITECTURE AND OCEAN ENGINEERING
2-1 YAMADAOKA SUITA, OSAKA 565. TEL.(06)877-5111 FAX.(06)878-5364

JAPAN

CIRCULATING WATER CHANNEL (1973)



DESCRIPTION OF FACILITY: horizontal plane with free surface

TYPE OF DRIVE SYSTEM: 4-bladed axial flow impeller with
V.S coupling control (magnetic coupling)

TOTAL MOTOR POWER: 22 kw, 1,630 rpm, AC motor

WORKING SECTION MAX. VELOCITY: 1.0 m/s

INSTRUMENTATION: resistance dynamometer, 3-component balance,
5-hole pitot tube, 2-D FLDV

PROPELLER OR MODEL SIZE RANGE: model length from 0.5 to 2.0 m

TESTS PERFORMED: resistance tests
flow velocities measurements around ships
flow visualizations around ships, rudders and
propellers, etc.
hydrodynamic forces on heeling yachts, submerged
bodies, etc.

PUBLISHED DESCRIPTION: