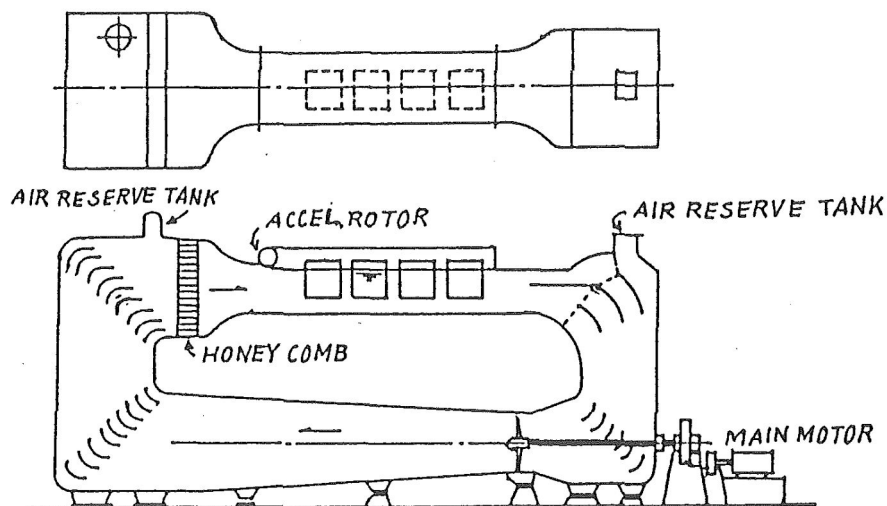


INTERNATIONAL TOWING TANK CONFERENCE CATALOGUE OF FACILITIES
CIRCULATING WATER CHANNELS AND CAVITATION TUNNELS

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JAPAN

CIRCULATING WATER CHANNEL (1970)



DESCRIPTION OF FACILITY: vert. plane, open recirc.

TYPE OF DRIVE SYSTEM: 4-bladed axial flow impeller with Thyristor Leonard control

TOTAL MOTOR POWER: 75 kW, 1750 rpm

WORKING SECTION MAX. VELOCITY: 2 m/s

OTHER REMARKS: accelerating rotor at the upstream of the measuring part

INSTRUMENTATION: resistance dynamometer, flow observation apparatus
traverse device
forced oscillation apparatus in 6- degree of freedom

MODEL SIZE RANGE: lengths from 2 to 3 m

TEST PERFORMED: towing performance and underwater behaviour of ships, propulsion
systems and offshore structures
flow patterns observation

PUBLISHED DESCRIPTION: published in Mitsui Tech. Review in 1980