Name of organization MARIN	Year of information updating 2017
Year established 1932	Year of joining the ITTC 1932
Address Haagsteeg 2 6708 PM Wageningen The Netherlands	Status in the ITTC Advisory Council member
Contact details (phone, fax, e-mail) +31 317 493 911 +31 317 493 235 info@marin.nl	Website www.marin.nl www.marin.eu
Type of facility Cavitation tunnel	Year constructed/upgraded 1941 / 1966
Name of facility Large cavitation tunnel	Location (if different from the above address)

Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Closed type cavitation tunnel



Other canabilities	Wateriet performance and cavitation setun
other capabilities	
Instrumentation	Dynamometers:
	- Thrust and torque at propeller hub (max 2500 N, 125 Nm)
	- 0 component for rudder and fins
	Pressure sensors
	PIV
	Stereo camera setup using Digital Image Correlation to measure
	deformation of propellers.
	High speed camera's
	Stroboscopes
Propeller size range	150 – 350 mm
Applications (Tests performed)	Cavitation observation tests,
	Cavitation inception
	Deformation of flexible propeller blades
	Performance of fins (for fin stabilizers)
	- Forces and torque
	- Cavitation inception
	Cavitation inception on wateriets
	Performance of waterjets

Published description (Publications on this facility)

Witte, J.H. and Esveldt, J., "Recent Improvements in the Large Cavitation Tunnel of the Netherlands Ship Model Basin', International Shipbuilding Progress, Vol. 13 No. 146, Oct. 1966 (NSMB Publ. No. 285)

12th ITTC Proceedings, Rome, 1969

http://www.marin.nl/web/Facilities-Tools/Basins/Cavitation-Tunnel.htm.