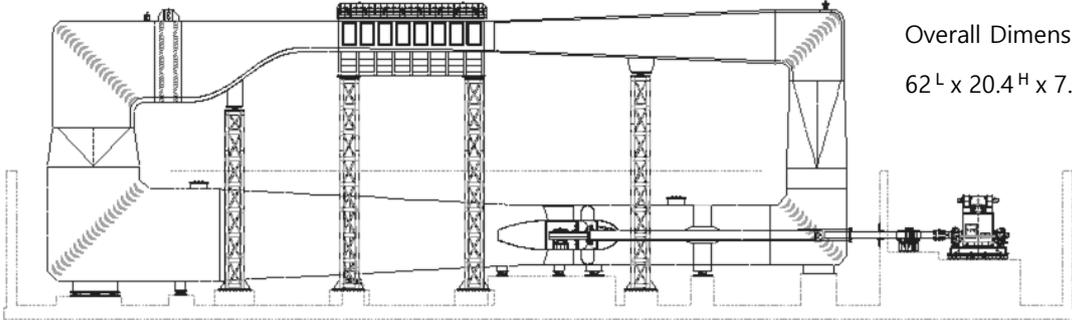


Name of organization DSME Siheung R&D Center		Year of information updating 2020
Year established 2018		Year of Joining the ITTC 2020
Address 96 Baegot 2-ro, Siheung-si, Gyeonggi-do, Korea		Status in the ITTC
Contact detail (phone, fax, e-mail) TEL : +82-2-2129-3721 FAX : +82-2-2129-3770 E-mail : jgkang3@dsme.co.kr		Website www.dsme.co.kr
Type of facility Cavitation Tunnel	Year constructed /upgraded 2020	
Name of facility DSME Cavitation Tunnel	Location (if different from the above address)	
Main characteristics Test section(2.8 ^B x 2.4 ^H x 13.0 ^L m) capable of handling flow speed in excess of 15.0 m/s		
Drawing of facility		
		Overall Dimension 62 ^L x 20.4 ^H x 7.2 ^B m
Detailed characteristics Vertical-plane closed-loop recirculating water tunnel with a variable-pressure test section (0.3 ~ 4 bar absolute), stainless steel shell, acoustic trough, 6.14:1 contraction ratio, symmetric diffuser with a non-flat top, de-aeration system, filter system (5 microns)		
Drive System - 4.6m diameter fixed pitch, 7-bladed axial flow impeller with 9-bladed stator - Synchronous motor with a maximum power of 4,500 kW at 100 RPM		
Applications (Test performed) Cavitation observation, Force measurement, Non-intrusive flow measurement by means of LDV and PIV, Propeller-induced pressure fluctuation measurement, Erosion test for model propeller, Cavitation inception test, Basic and applied research for naval ships and submarines, underwater noise measurement		