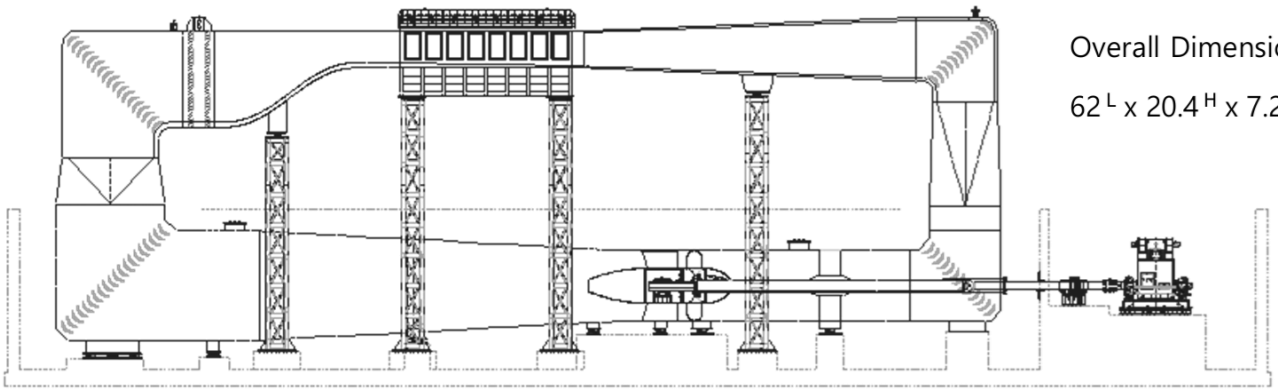
Name of organization Hanwha Ocean Siheung R&D Center	**Year of information updating** 2026
Year established 2018	**Year of joining the ITTC** 2020
Address 96 Baegot 2-ro, Siheung-si, Gyeonggi-do, Korea	**Status in the ITTC**
Contact details TEL : +82-2-2129-7394 E-mail : bgkim1@hanwha.com	**Website** www.hanwhaocean.com

Type of facility Cavitation Tunnel	**Year constructed/upgraded** 2020
Name of facility Hanwha Ocean 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

Drawings 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 (Tests 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