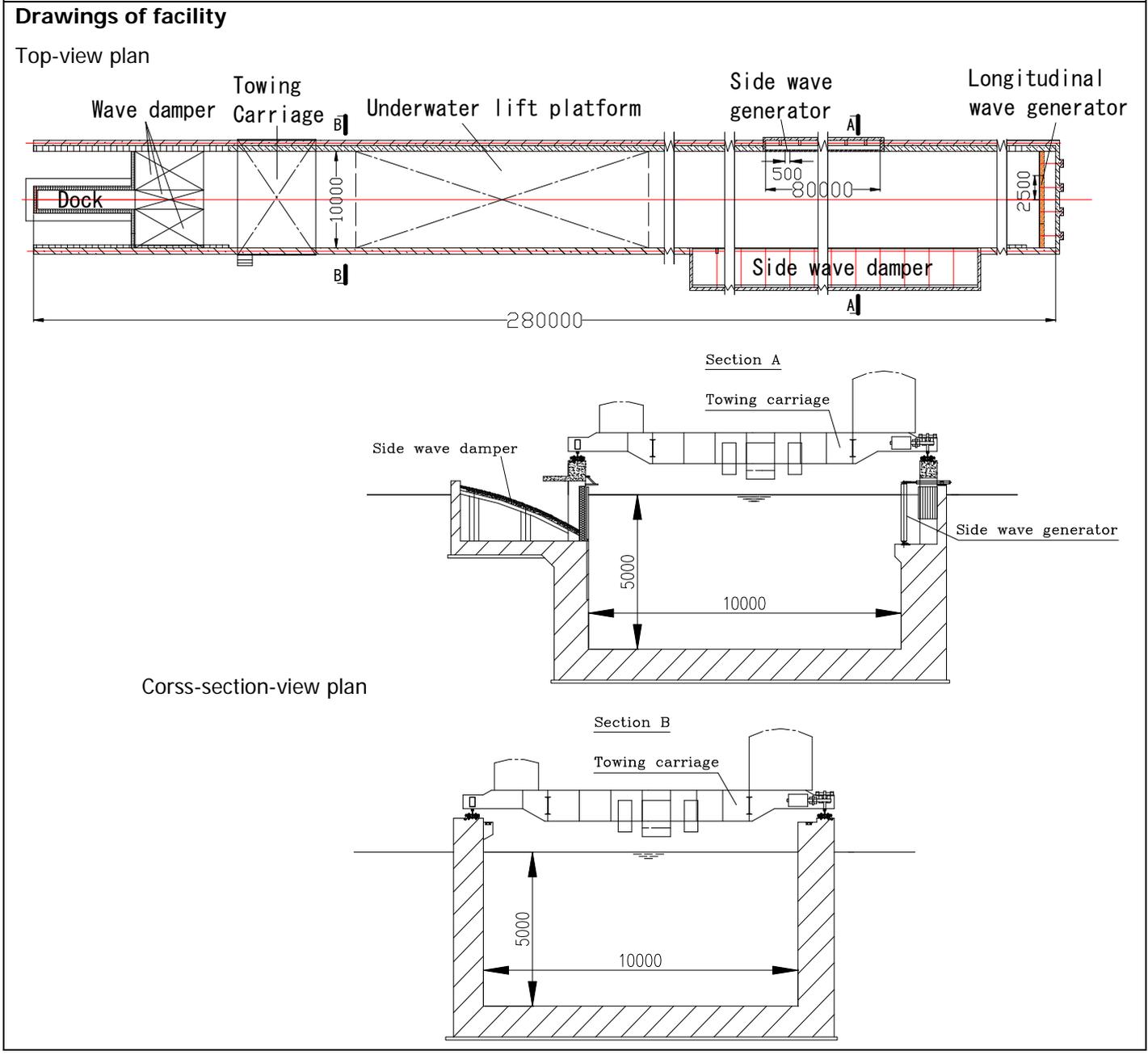


Name of organization Marine Design and Research Institute of China(MARIC)	Year of information updating 2016-11-1
Year established 1950	Year of joining the ITTC 1978
Address No.1688, Xizang Nan R., Shanghai, China	Status in the ITTC AC and ITTC member
Contact details (phone, fax, e-mail) Phone: 86-21-63161688-1107 Fax: 86-21-63151167 e-mail: wang_jb@maric.com.cn	Website www.maric.com.cn

Type of facility Towing Tank	Year constructed/upgraded 2009.5 started commercial use
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Name of facility MARIC Large Towing tank	Location (if different from the above address) No.99, Xiangyun R. , Minhang District, Shanghai, China
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Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top)
280m*10m*5m, full mission



Detailed characteristics (carriages, wave/current/wind generators, instrumentations, etc.)

Carriages: about 30t, Maximum speed 9m/s

Side wave generator: 80m long, $90 \pm 45^\circ$ snake wave, Sway mode, Maximum wave height 0.25m ,period 0.5~4.2s

End wave generator: Maximum wave height 0.4m,period 0.5~4.5s

Instrumentations: Dynamometer.

Underwater lift platform (30m×10m, lift height range:0~5m)

Thermometer, Ultrasonic telemeter,

Resistance dynamometer, Propeller dynamometer,

6 five-hole pitot tubes,

capacitance type and non-touch serve type wave height meter , non-touch 6-freedom motions measuring apparatus, mini gyro, accelerometer, micro pressure gauge, loads cell,

computers for automatic control, signal conditioning and data acquisition, etc.

No current or wind

Applications(Tests performed)

Calm water test includes:

Resistance test, Open water test, Self propulsion test

3-dimensional wake test, Streamline test

PMM test

Shallow water test

Tests in waves:

Side and end wave-added resistance test

Published description (Publications on this facility)

Not yet