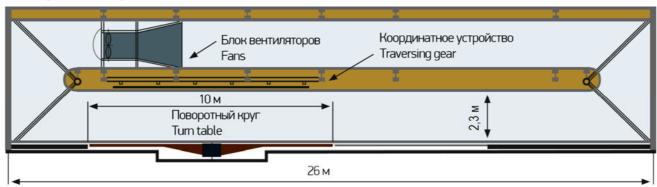
Name of organization Krylov State Research Centre	Year of information updating 2016
Year established 1894	Year of joining the ITTC 1955
Address 196158 St. Petersburg, Russia, 44, Moskovskoye shosse.	Status in the ITTC member organization
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Type of facility Wind tunnel	Year constructed/upgraded 2016
Name of facility Landscape Wind Tunnel	Location —

Main characteristics (dimensions of tank/basin/test section; for simulators: full mission, part task or desk top) Length of test section – 18 m, Test section shape: rectangular 2.3 x 11 m, for simulators: full mission or part task

Drawings of facility



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

Instrumentations: Six-components dynamometers;

A smoke generators for visualization; Pressure sensors; Hot-wire equipment;

Turntable 10 m - diameter; Three-axis manipulator;

Equipment for study of characteristics of aeroelastic models.

Closed-circuit wind tunnel with closed test section;

Flow speed in test section: 0 ÷ 15 m/s; Flow speed adjustment step: 0.1 m/s; Modeling of ground boundary layer.

Applications (Tests performed)

- 1. Aerodynamics above-water parts of ships and offshore platforms.
- 2. Tests of models of architectural and engineering objects.
- 3. Aerodynamics of bridges.
- 4. Tests of aeroelastic models.
- 5. Measurement of flow parameters above model of landscape; helicopter platform, etc.
- 6. Tests of vibration from flow effects, resonance phenomena.
- 7. Visualization of the flow.

Published description (Publications on this facility)

http://krylov-center.ru/eng/