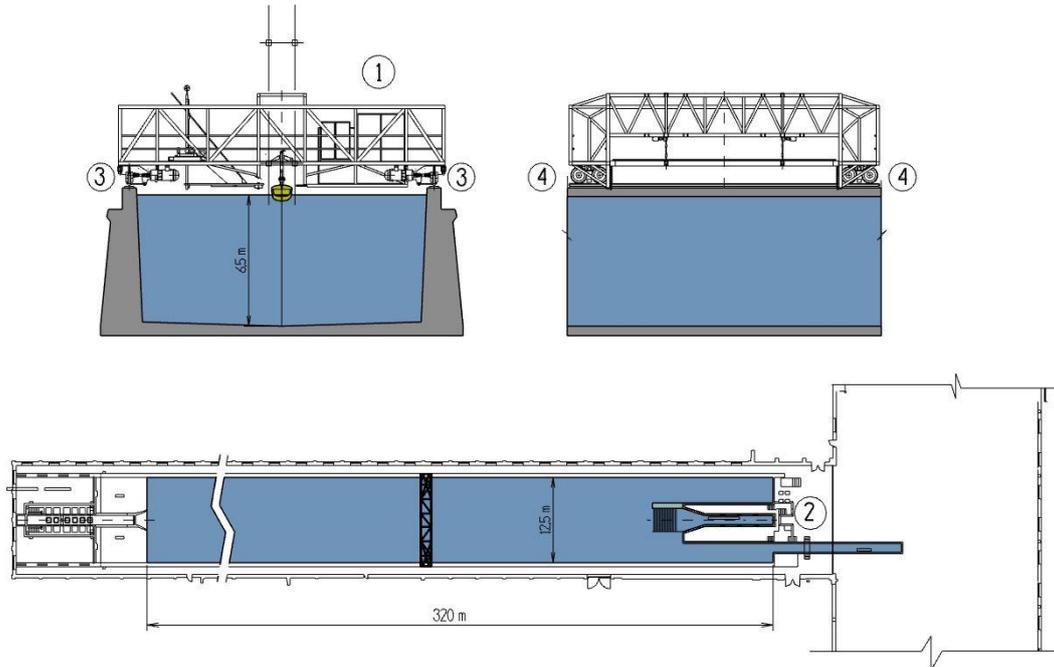


EL PARDO MODEL BASIN – CEHIPAR  
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 PARDO  
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CEHIPAR CANAL  
 DE EXPERIENCIAS  
 HIDRODINÁMICAS  
 DE EL PARDO

CALM WATER TOWING TANK 320 x 12.5 x 6.5 m



- 1 Carriage
- 2 Trimming tank
- 3 Motors
- 4 Drive wheels

DESCRIPTION OF CARRIAGE	Manned, electrical motor-driven, four pairs of horizontal guide wheels.
TYPE OF DRIVE SYSTEM AND TOTAL POWER	Direct current engines, 8 x 70 kW.
MAXIMUM CARRIAGE SPEED AND ACCELERATION	10 m/s, 1.5 m/s <sup>2</sup>
OTHER CAPABILITIES	Independent sub-carriage for underwater recording and flow observation.
INSTRUMENTATION	Towing dynamometer, self-propulsion dynamometers, 6-components dynamometers, acquisition data system, signal conditioning systems, 5-hole pitot tube, P.I.V, underwater and surface PC based recording system.
MODEL SIZE RANGE	2 – 15 m

MODEL TRACKING TECHNIQUES	For special tests optical tracking system can be used.
TEST PERFORMED	Calm water: resistance, self-propulsion, bollard pull test and towing test Propellers open water test, either conventional, ducted or POD's propellers. Axial and 3D wake measurements. Flow observation tests by paint or tufts.
OTHER REMARKS	Other special tests.
PUBLISHED DESCRIPTION	Not available.