



37th America's Cup

BARCELONA, OCTOBER 12-21

The AC75 class of “flying” boats continue to evolve, reducing weight and using the latest F1 innovations to gain the crucial advantage in the waves

AMERICA'S CUP CLASS AC75 BOAT

Technology

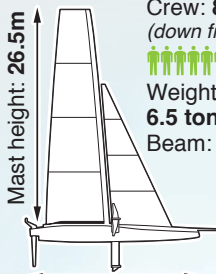
Upgraded electronics, hydraulics and software to reflect industry changes

Hull: Enhanced design built specially for expected sea and wind conditions in Barcelona

Hydrofoils

Two side foils and one on base of rudder. Foils are lighter with increased 4.5m span for quicker lift and faster flight

Mast height: 26.5m



Hull length: 20.7m

Crew: 8
(down from 11)



Weight
6.5 tonnes
Beam: 5m

Sir Ben Ainslie
leads first British entry since 1964 with Ineos Britannia



Bustle keel: Helps lift boat out of water and increases efficiency of sails when foiling

Side foils: Cantilevering arms with wings

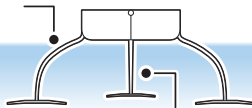
Rudder foil: Provides lift at back of boat

Front view of hull



Dock configuration
Both foils down – maximum stability and minimum beam

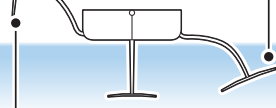
Foil arm



Rudder foil

Stable sailing mode
Maximum stability in manoeuvres and difficult conditions

Leeward foil



Windward foil

Normal sailing mode
Leeward foil provides lift, windward foil provides stability