



BMW ORACLE Racing

BMW ORACLE Racing, USA Challenger for the 33rd America's Cup

SIZE MATTERS

20 stories high

150,000 man-hours to build the yacht

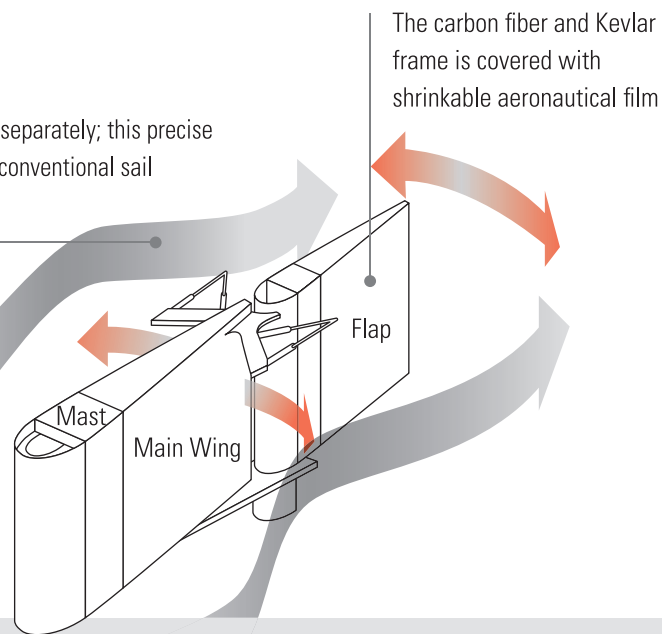
90x90 feet, bigger than a baseball infield

On the Wing Sail

The main wing sail and flaps are trimmed separately; this precise control is the rig's main advantage over a conventional sail

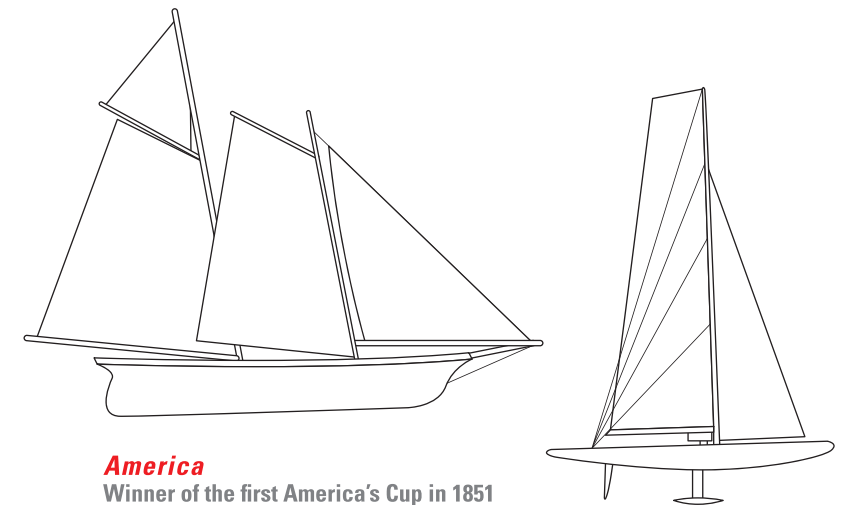
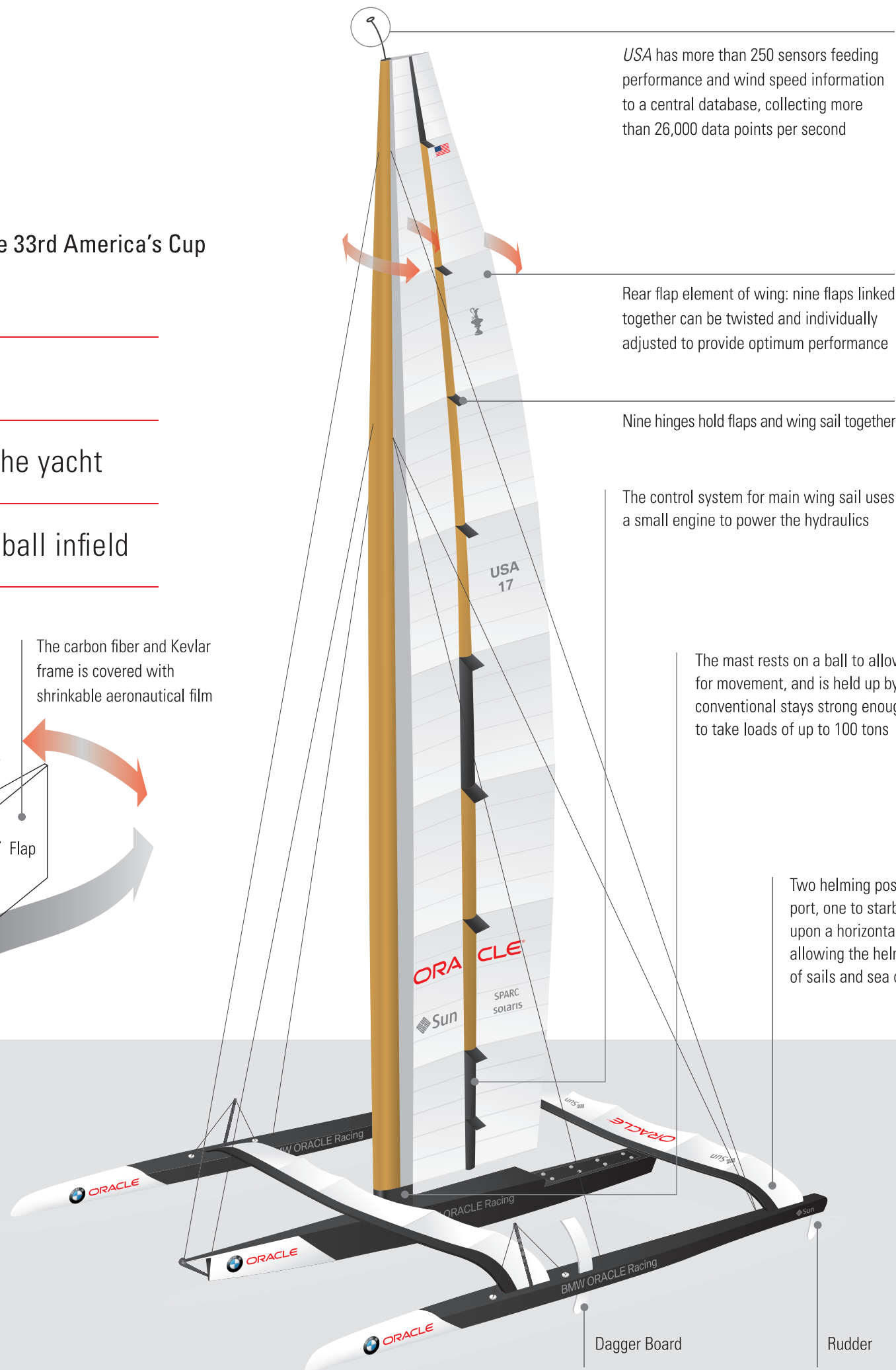
Air flows around the wing sail, creating higher pressure on one side than the other and giving the yacht forward thrust, in the same way as an aircraft is lifted by its wings

The rig can power the boat at up to three times the speed of the prevailing wind



WING SAIL

| | |
|--------------|--|
| Height | 223ft / 68m (compared to 102ft / 31m length of a Boeing 747 wing and 143ft / 43.5m length of an Airbus 380 wing) |
| Chord | 10 to 30ft / 3 to 14m |
| Width | 2 to 6ft / 0.5 to 2.0m |
| Surface area | 7,000sq. ft / 650sq. m (profile) |
| Weight | 7,700lbs / 3,500kg (approx.) |

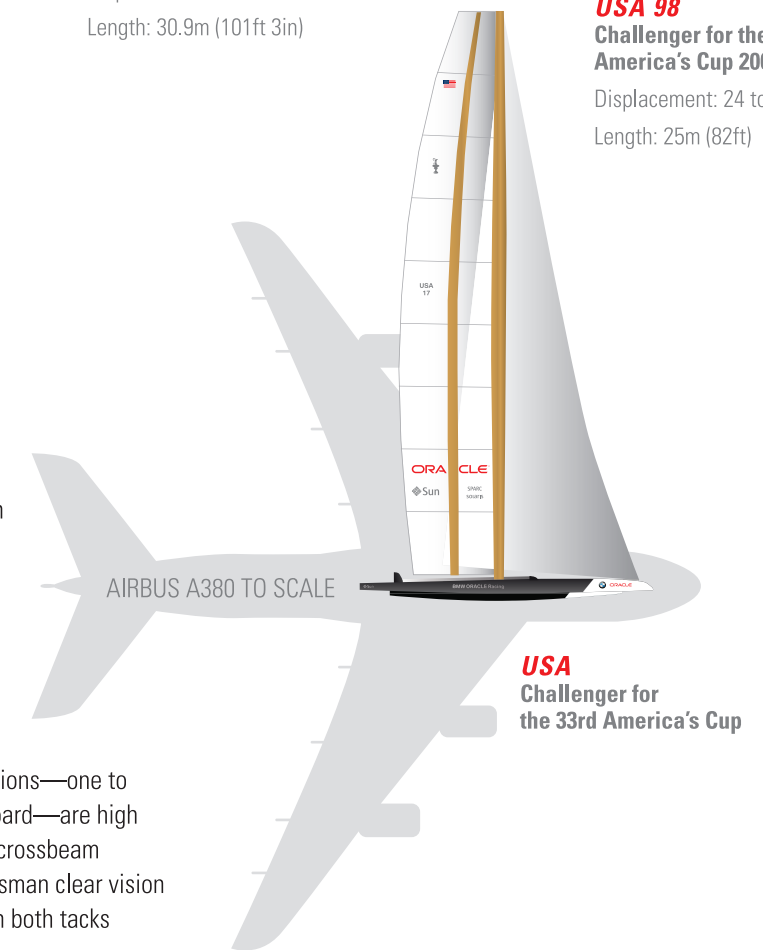


America
Winner of the first America's Cup in 1851

Displacement: 154 tons
Length: 30.9m (101ft 3in)

USA 98
Challenger for the 32nd America's Cup 2007

Displacement: 24 tons
Length: 25m (82ft)



HULL

| | |
|------------------|---|
| Boat Type | Trimaran of carbon composite construction |
| Where Built | Core Builders, Anacortes, WA, USA |
| Overall Length | 100ft / 30m |
| Waterline Length | 90ft / 27m |
| Beam | 90ft / 27m |