

Catalina 275 Performance Report



Boat Specification

Hull Number	#001
Material	Fiberglass
Length	27' 5"
Beam	8' 6"
Draft	3' 10"
Displacement (lbs)	apx. 5100 lbs tested
Fuel Cap (US gal)	18
Water Cap (US gal)	20
Number of Engines	1

Engine Specification

Engine Model	2YM15 S/N E0S920
Cyl. Configuration	Inline
Number of Cylinders	2
Bore x Stroke	
Displacement	.57 L - 34.7 cu in.
Cont. hp @ RPM	12 @ 3489
Max. hp @ RPM	14 @ 3600
Dry Weight (w/o Gear)	134kg (295 lbs)

Weather Conditions

Air Temp (°F)	86°
Water Temp (°F)	84°
Wind Velocity (mph)	10
Wave Conditions	Calm

Propeller Data

Brand	
Diameter x Pitch (in)	
Number of Blades	2
Cup Rating	n/a
DAR / EAR (%)	n/a

Drive Train

Drive Configuration	Sail Drive
Gear & Model	SD20
Gear Ratio	2.64

Boat Load

Fuel Load (US gal)	5
Water Load (US gal)	n/a
People on Board	4

Comments

Performance Data

RPM	Volvo 14x11-2B Prop			
	MPH	Knots	Apx. GPH	Apx. MPG
Cruising				
Range				
2400	6.4	5.6	.35	18
2600	6.9	6.0	.40	17
2800	7.1	6.2	.50	14
3050	7.2	6.25	.60	12
3300	7.3	6.4	.72	10
3670	8.0	7.0	.98	8

Performance Summary

Test Date	9-27-13
Cruise Speed Range	14x11 Prop 7.3 mph @ 3300
Max. Speed & RPM	14x11 Prop 8.0 mph @ 3670
Accel. (Idle to plane in seconds)	n/a
Installation by	Catalina Yachts
Boat tested by	Richard, Gerry, Carl & Jon