

BACK COVE YACHTS

BC390 Performance Report



Test Date: 10-31-20



	RPM	SPEED (kts.)	SPEED (mph)	GPH	MPG	NM/G	RANGE (nm)	dBA	Helm Deck
Idle	600	3.1	3.5	1.8	1.9	1.7	793	52	
	1000	4.9	5.6	2.3	2.5	2.1	997	57	
	1500	7.3	8.3	5.5	1.5	1.3	617	59	
	2000	8.7	10.0	8.0	1.2	1.1	506	67	
	2500	9.8	11.3	12.6	0.9	0.8	364	70	
	3000	11.4	13.1	18.9	0.7	0.6	282	68	
	3500	15.4	17.7	27.9	0.6	0.6	259	70	
	4000	21.7	25.0	35.6	0.7	0.6	285	71	
Cruise	4500	30.0	34.5	46.6	0.7	0.6	302	73	
	5000	34.6	39.8	58.7	0.7	0.6	276	74	
	5600	39.3	45.2	76.3	0.6	0.5	241	76	
	6000	41.8	48.0	92.3	0.5	0.5	212	77	
WOT	6220	43.6	50.1	108.5	0.5	0.4	188	79	

Back Cove 390 - Hull#001

Length Overall: 41'-8"

Beam: 13'-6"

Test Displacement: 26,500 lbs

Engines: Triple Mercury 400

Prop: Merc 16x16.5 Enertia ECO (3BL)

Crew: 5 persons plus tools (approx. 900 lbs)

Fuel: Full (approx. 500 gal.)

Water: Full (approx. 100 gal.)

Bottom: No bottom paint

Weather: Calm, Clear; Seas: < 1 ft;

Air Temp.: 40 deg. F.; Sea Water Temp: 54 deg.F.

Comments:

- ❖ Speed measured by GPS. Average of reciprocal runs in West Penobscot Bay, Rockland, ME.
- ❖ Fuel Consumption calculated by integral engine fuel flow gauging equipment.
- ❖ Range based on 90% of 520 gal. fuel capacity.
- ❖ Mercury Active Trim ON.
- ❖ Performance data is subject to change depending on: Tankage, Crew, Bottom Condition, Options, Temperature and other factors.
- ❖ Installed options: Helm Storage Freezer, Inverter, Mast and Electronics Pkg, SureShade, Teak Swim Step.
- ❖ Sound readings recorded with cushions installed and aft salon doors closed.

Back Cove 390 - Hull 001 Speed & Fuel Consumption

