

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
Cruise	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
	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
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.

