

BACK COVE YACHTS

PERFORMANCE DATA



Test Date: 8/29/23



	RPM	SPEED (kts.)	SPEED (mph)	GPH	MPG	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	2.5	2.9	2.8	1.0	0.9	421	52
	1000	3.9	4.5	4.1	1.1	1.0	446	52
	1500	6.5	7.5	6.3	1.2	1.0	484	55
	2000	8.4	9.7	10.5	0.9	0.8	376	57
	2500	10.1	11.6	15.2	0.8	0.7	310	60
	3000	18.0	20.7	27.5	0.8	0.7	306	67
	3500	23.7	27.3	35.1	0.8	0.7	316	72
	4000	28.7	33.0	41.9	0.8	0.7	320	77
	4500	33.5	38.6	53.3	0.7	0.6	294	79
	5000	37.8	43.5	62.0	0.7	0.6	285	81
	5500	42.0	48.3	85.9	0.6	0.5	229	82
	6000	45.1	51.9	100.5	0.5	0.4	210	82
	6238	45.9	52.8	110.2	0.5	0.4	195	82

0 to 20 mph: 4.92 seconds
0 to 30 mph: 7.92 seconds

Back Cove 390 - Hull# 034

Length Overall: 43'-6" (incl motor down)

Beam: 13'-6"

Displacement: 26,500 lbs

Engine: Twin Mercury V12 Verado - 600 mHP; 25" shaft

Prop: Verado12 26 Pitch (4-blade) Stainless

Crew: 4 persons plus tools (approx. 1000 lbs)

Fuel: Full (approx. 500 gas; 23 gal diesel)

Water: Full (approx. 95 gal.)

Bottom: No bottom paint

Weather: Clear, 5mph wind; Calm Seas: 1-2 ft;

Air Temp.: 70 deg. F.; Sea Water Temp: 59 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.

❖ Speeds were achieved using Active Trim; speeds above 6000 RPM were optimized by trimming the engines.

❖ Performance data is subject to change depending on tankage, temperature and other factors.

❖ Installed options: freezer below helm, cabin table, zipwake, power window, fresh water washdown, auto flush, mast, makefast shade, synthetic teak, hull structure for seakeeper

❖ Sound readings done with cushions installed (in plastic) and aft salon doors closed

