

BACK COVE YACHTS

PERFORMANCE DATA



Test Date: 8/22/23



	RPM	SPEED (kts.)	SPEED (mph)	GPH	MPG	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	2.9	3.3	2.8	1.2	1.0	479	54
	1000	5.5	6.3	5.1	1.2	1.1	502	56
	1500	7.7	8.9	8.4	1.1	0.9	431	58
	2000	9.6	11.0	14.2	0.8	0.7	315	61
	2500	11.8	13.6	17.5	0.8	0.7	316	63
	3000	15.8	18.2	23.4	0.8	0.7	316	66
	3500	22.1	25.4	32.0	0.8	0.7	323	69
	4000	27.5	31.7	38.3	0.8	0.7	337	74
	4500	32.3	37.2	52.5	0.7	0.6	288	76
	5000	35.0	40.3	63.6	0.6	0.6	258	78
	5500	39.0	44.9	80.8	0.6	0.5	226	81
	6000	44.2	50.9	100.4	0.5	0.4	206	83
	6255	45.4	52.3	128.5	0.4	0.4	165	83

0 to 20 mph: 5.37 seconds
0 to 30 mph: 8.7 seconds

Back Cove 390 - Hull# 030

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

Beam: 13'-6"

Displacement: 26,500 lbs

Engine: Triple Mercury V10 Verado - 400 mHP; 30" shaft

Prop: Revolution X 20 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, 10mph wind; Choppy Seas: 1-2 ft;

Air Temp.: 69 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 (aft dinette), cabin table, blinds, inverter, zipwake, power window, raw water washdown, auto flush, mast, sureshade, hull window, freezer cabinet below helm w/o freezer, hull structure for seakeeper
- ❖ Sound readings done with cushions installed (in plastic) and aft salon doors closed

