

# BACK COVE YACHTS

## PERFORMANCE DATA



Test Date: 4-13-23



	RPM	SPEED (kts.)	SPEED (mph)	GPH	MPG	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	2.8	3.2	1.8	1.8	1.5	348	-
	1000	5.1	5.9	3.2	1.8	1.6	361	-
	1500	7.3	8.4	5.2	1.6	1.4	316	-
	2000	9.0	10.4	8.9	1.2	1.0	229	-
	2500	11.6	13.3	11.0	1.2	1.1	237	-
	3000	15.7	18.1	14.6	1.2	1.1	243	-
	3500	20.4	23.5	20.3	1.2	1.0	226	-
	4000	26.9	30.9	25.7	1.2	1.0	235	-
	4500	31.3	36.0	31.9	1.1	1.0	221	-
	5000	34.7	39.9	43.5	0.9	0.8	179	-
	5500	38.6	44.4	55.3	0.8	0.7	157	-
	6000	42.5	48.9	64.9	0.8	0.7	147	-
	6386	44.7	51.4	70.0	0.7	0.6	144	-

0 to 20 mph: 4.81 seconds  
0 to 30 mph: 7.69 seconds

### Back Cove 340 - Hull# 83

Length Overall: 38'-11"

Beam: 11'-10"

Displacement: 17,000 lbs

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

Prop: Revolution X 20 Pitch (4-blade) Stainless

Crew: 4 persons plus tools (approx. 600 lbs)

Fuel: Full (approx. 240 gas; 25 gal diesel)

Water: 1/4 (approx. 15 gal.)

Bottom: No bottom paint

Weather: Choppy Seas: 1-2 ft;

Air Temp.: 64 deg. F.; Sea Water Temp: 40 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 250 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: Trim package, inverter, generator upgrade, Sureshade, helm AC, mast, mate's seat appliance, joystick.
- ❖ Sound readings were not available at the time of sea trial.

Back Cove 340 - Hull #83 Speed & Fuel Consumption

