

# BACK COVE YACHTS

## PERFORMANCE DATA



Test Date: 3-1-21



	RPM	SPEED (kts.)	SPEED (mph)	GPH	MPG	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	2.8	3.2	1.3	2.5	2.2	485	58
	1000	4.4	5.0	2.4	2.1	1.9	416	65
	1500	6.4	7.4	3.7	2.0	1.7	389	66
	2000	8.6	9.8	5.8	1.7	1.5	332	73
	2500	10.8	12.4	9.3	1.3	1.2	260	71
	3000	14.2	16.3	13.6	1.2	1.0	234	73
	3500	17.2	19.7	18.9	1.0	0.9	204	74
	4000	20.7	23.8	23.3	1.0	0.9	200	77
	4500	27.0	31.1	28.4	1.1	1.0	214	80
	5000	31.3	36.0	31.9	1.1	1.0	221	81
Cruise	5500	34.4	39.5	40.9	1.0	0.8	189	83
	6000	37.5	43.1	51.9	0.8	0.7	162	85
WOT	6500	41.8	48.1	73.3	0.7	0.6	128	86

Time to plane: 4.0 seconds  
0 to 30 mph: 8.9 sec.

### Back Cove 340 - Hull# 51

Length Overall: 38'-11"

Beam: 11'-10"

Displacement: 17,000 lbs

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

Prop: 14.6" X 16" (4-blade) Stainless

Crew: 3 persons plus tools (approx. 400 lbs)

Fuel: Full (approx. 240 gas; 18 gal diesel)

Water: 1/3 (approx. 30 gal.)

Bottom: No bottom paint

Weather: Stormy, Seas: 3-4 ft;

Air Temp.: 40 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 above 4500 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 done **without** cushions installed (no aft salon canvas installed).

