

# BACK COVE YACHTS

## PERFORMANCE DATA



Test Date: 8-17-18



	RPM	SPEED (kts.)	SPEED (mph)	GPH	MPG	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	2.9	3.3	1.2	2.8	2.4	544	63
	1000	4.9	5.6	2.5	2.3	2.0	441	65
	1500	6.9	7.9	4.0	2.0	1.7	388	66
	2000	8.9	10.2	6.8	1.5	1.3	294	64
	2500	9.7	11.2	9.5	1.2	1.0	230	66
	3000	11.5	13.2	12.5	1.1	0.9	207	72
	3500	17.0	19.6	17.0	1.2	1.0	225	76
	4000	24.1	27.7	25.3	1.1	1.0	214	77
	4500	27.7	31.9	30.7	1.0	0.9	203	78
	5000	31.4	36.1	37.5	1.0	0.8	188	78
	5500	35.6	41.0	49.2	0.8	0.7	163	84
WOT	6000	37.5	43.2	52.9	0.8	0.7	159	86

Time to plane: 4.5 seconds  
0 to 30 mph: 9.8 sec.

### Back Cove 34o - Hull# 1

Length Overall: 38'-11"

Beam: 11'-10"

Displacement: 17,000 lbs

**Engine: Twin Yamaha F300 - 300mHP; 30" shaft**

Prop: 15" X 15.75" Stainless

Crew: 4 persons plus tools (approx. 750 lbs)

Fuel: Full (approx. 225 gal.)

Water: Full (approx. 60 gal.)

Bottom: No bottom paint

Weather: Calm, Overcast; Seas: < 2 ft;

Air Temp.: 74 deg. F.; Sea Water Temp: 55 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: EPS steering, Sureshade, Anchor Windlass, Anchor (35lbs) and Chain (100 lbs), helm AC, Teak Swim Step, Mast, Cockpit table, Mate's seat appliance, full nav electronics.
- ❖ Sound readings done with cushions installed and aft salon canvas closed.

