

BACK COVE YACHTS

PERFORMANCE DATA



Test Date: 12-12-18



	RPM	SPEED (kts.)	SPEED (mph)	GPH	MPG	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	2.8	3.2	1.6	2.1	1.8	406	57
	1000	5.2	5.9	3.5	1.7	1.5	331	67
	1500	7.2	8.3	5.6	1.5	1.3	289	70
	2000	8.9	10.2	9.8	1.0	0.9	204	71
	2500	11.2	12.9	14.0	0.9	0.8	180	74
	3000	16.9	19.4	19.0	1.0	0.9	201	77
	3500	21.4	24.6	23.4	1.1	0.9	206	79
	4000	28.1	32.3	30.2	1.1	0.9	209	82
	4500	33.6	38.6	36.8	1.1	0.9	205	82
	5000	37.2	42.8	47.4	0.9	0.8	177	85
	5500	39.8	45.8	62.6	0.7	0.6	143	87
WOT	6000	41.0	47.2	63.9	0.7	0.6	144	88

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

Back Cove 34o - Hull# 2

Length Overall: 38'-11"

Beam: 11'-10"

Displacement: 17,500 lbs

Engine: Twin Yamaha F350 - 350mHP; 30" shaft

Prop: 19" X 15.5" Stainless

Crew: 2 persons plus tools (approx. 400 lbs)

Fuel: Full (approx. 225 gal.)

Water: Full (approx. 60 gal.)

Bottom: No bottom paint

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

Air Temp.: 15 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: Optimus 360 and EPS steering, Sureshade, helm AC, Teak Swim Step, Mast, Mate's seat appliance.
- ❖ Sound readings done with cushions installed (no aft salon canvas installed).

