

BACK COVE YACHTS

PERFORMANCE DATA



Test Date: 11-24-21



	RPM	SPEED (kts.)	SPEED (mph)	GPH	MPG	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	3.4	4.0	1.6	2.5	2.2	1036	55
	1000	4.4	5.1	3.1	1.7	1.4	673	57
	1500	6.5	7.5	5.4	1.4	1.2	561	58
	2000	8.6	9.9	7.5	1.3	1.1	537	63
	2500	9.6	11.1	11.6	1.0	0.8	391	66
	3000	11.7	13.5	17.3	0.8	0.7	316	72
	3500	15.8	18.2	22.8	0.8	0.7	324	75
	4000	23.1	26.6	28.7	0.9	0.8	376	77
	4500	28.8	33.1	37.8	0.9	0.8	357	79
CRUISE	5000	32.8	37.8	44.7	0.8	0.7	343	78
	5500	35.8	41.3	60.6	0.7	0.6	277	80
	6000	39.2	45.2	81.4	0.6	0.5	226	81
WOT	6150	40.6	46.8	87.3	0.5	0.5	218	82

Back Cove 390 - Hull#012

Length Overall: 43'-1/2"

Beam: 13'-6"

Displacement: 26,500 lbs

Engine: Triple Suzuki DF350A - 350 mHP; 30" shaft

Prop: Suzuki 15.5 X 19.5 Stainless Contra-rotating

Crew: 5 persons plus tools (approx. 1000 lbs)

Fuel: Full (approx. 450 gal.)

Water: approx. 20 gal.

Bottom: No bottom paint

Weather: Calm, Clear; Seas: < 1 ft;

Air Temp.: 50 deg. F.; Sea Water Temp: 48 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.**
- ❖ Engine trim between 50-90% (increasing with speed)
- ❖ Performance data is subject to change depending on tankage, temperature and other factors.
- ❖ Installed options: ZipWake Interceptors
- ❖ Sound readings done with cushions installed and aft salon doors closed.

