

BACK COVE YACHTS

PERFORMANCE DATA



Test Date: 1-20-21



Back Cove 390 - Hull#002

Length Overall: 43'-1/2"

Beam: 13'-6"

Displacement: 26,500 lbs

Engine: Triple Mercury 400

Prop: Merc 14.6 X 16" Rev. 4

Crew: 3 persons plus tools (approx. 900 lbs)

Fuel: Full (approx. 525 gal.)

Water: approx. 60 gal.

Bottom: No bottom paint

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

Air Temp.: 30 deg. F.; Sea Water Temp: 41 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.
- ❖ Auto engine trim ON
- ❖ 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.

	RPM	SPEED (kts.)	SPEED (mph)	GPH	MPG	NM/G	RANGE (nm)	dBa Helm Deck
Idle	600	3.0	3.5	1.9	1.8	1.6	739	55
	1000	4.7	5.4	3.6	1.5	1.3	620	57
	1500	6.8	7.8	5.4	1.4	1.3	585	61
	2000	8.7	10.0	8.3	1.2	1.0	491	62
	2500	10.6	12.1	13.3	0.9	0.8	373	64
	3000	14.3	16.5	18.9	0.9	0.8	355	67
	3500	17.7	20.3	26.2	0.8	0.7	315	68
	4000	22.0	25.3	32.3	0.8	0.7	318	70
CRUISE	4500	29.1	33.5	40.9	0.8	0.7	333	76
	5000	33.9	39.0	48.8	0.8	0.7	325	76
	5600	37.5	43.2	59.3	0.7	0.6	296	77
WOT	6000	41.0	47.2	80.8	0.6	0.5	238	79
	6500	44.0	50.6	110.5	0.5	0.4	186	81

