

BACK COVE YACHTS

PERFORMANCE DATA



Test Date: 9-16-21



Back Cove 37 - Hull# 201

Length Overall: 38'-2"

Beam: 13'-3"

Displacement: 22,100 lbs

Engine: Volvo D8 600mHP

Prop: 28" X 30", no Cup, ZF KCA (0.85 DAR) x 2.25"

bore, RH, 4-blade, NiBrAl

Crew: 3 persons plus tools (approx. 650 lbs)

Fuel: 90% (approx. 270 gal.)

Water: full (approx. 120 gal.)

Bottom: No bottom paint

Weather: Cloudy, wind 5-10 knots

Ambient Air Temp.: 75° F

Seas: < 1-2 ft

Sea Water Temp: 61° 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 300 gal. fuel capacity.
- ❖ Recommended max. continuous cruise speed is @ 2700 RPM.
- ❖ Performance data is subject to change depending on tankage, temperature and other factors.

	RPM	SPEED (kts.)	GPH	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	4.2	0.6	6.92	1905	66
	800	5.7	1.1	5.43	1495	65
	1000	7.0	1.9	3.78	1042	67
	1200	8.2	3.0	2.76	761	68
	1400	9.2	4.8	1.94	533	69
	1600	10.4	7.2	1.45	399	70
	1800	12.8	8.9	1.44	396	72
	2000	15.4	12.0	1.28	352	73
	2200	18.2	14.5	1.25	345	75
	2400	21.2	17.5	1.21	334	76
2600	24.1	21.0	1.15	315	78	
2800	26.4	25.5	1.03	285	85	
3000	29.2	29.5	0.99	273	83	
WOT	3080	30.0	32.5	0.92	254	84

