

BACK COVE YACHTS

PERFORMANCE DATA



Test Date: 2-8-18



	RPM	SPEED (kts.)	GPH	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	4.6	0.7	6.57	1810	64
	800	5.8	1.1	5.27	1452	65
	1000	7.3	1.6	4.56	1257	67
	1200	8.6	2.8	3.05	841	67
	1400	9.4	4.4	2.14	588	70
	1600	10.7	6.3	1.69	466	72
	1800	12.9	8.6	1.51	416	72
	2000	15.6	11.1	1.41	389	74
Cruise	2200	17.9	13.8	1.30	357	76
	2400	21.2	16.7	1.27	351	78
	2600	23.4	19.8	1.18	326	79
	2800	25.8	23.4	1.10	304	81
WOT	3000	28.0	27.7	1.01	278	82
	3080	28.9	29.7	0.97	268	83

Back Cove 37 - Hull# 155

Length Overall: 38'-2"

Beam: 13'-3"

Displacement: 22,100 lbs

Engine: Cummins QSC8.3 600mHP

Prop: 28" X 31", #5 Cup, ZF KCA (0.75 DAR) x 2.25" bore, RH, 4-blade, NiBrAl

Crew: 6 persons plus tools (approx. 1050 lbs)

Fuel: 90% (approx. 270 gal.)

Water: minimal water (approx. 30 gal.)

Bottom: No bottom paint

Weather: Clear, wind 5-10 knots

Ambient Air Temp.: 20° F

Seas: < 1-2 ft

Sea Water Temp: 34° 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 @ 2800 RPM.
- ❖ Performance data is subject to change depending on tankage, temperature and other factors.

