

# BACK COVE YACHTS

## PERFORMANCE DATA



Test Date: 5-24-17



	RPM	SPEED (kts.)	GPH	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	4.4	0.3	14.50	2414	66
	800	5.5	0.6	9.08	1512	67
	1000	6.4	0.8	8.00	1332	74
	1200	7.2	1.1	6.55	1090	75
	1400	7.9	2.2	3.65	608	74
	1600	8.6	3.3	2.59	431	74
	1800	9.5	4.7	2.03	338	76
	2000	10.8	6.4	1.68	280	77
	2200	13.0	8.0	1.63	271	78
	2400	15.3	9.6	1.59	265	78
Cruise	2600	17.5	11.0	1.59	264	79
	2800	20.0	13.0	1.53	256	83
	3000	22.1	15.0	1.47	245	85
	3200	24.8	18.0	1.38	229	86
WOT	3400	26.3	20.0	1.32	219	87
	3525	27.4	22.0	1.25	219	87

### Back Cove 32 - Hull# 12

Length Overall: 37'-0"

Beam: 11'-10"

Displacement: 17,500 lbs

**Engine: Volvo-Penta D6 435mHP**

Prop: 24" X 28", #4 Cup, ZF KCA (0.75 DAR) x 2" bore, RH, 4-blade, NiBrAl

Crew: 2 persons plus tools (approx. 500 lbs)

Fuel: Full (approx. 165 gal.)

Water: Full (approx. 80 gal.)

Bottom: No bottom paint

Weather: Calm, Overcast

Ambient Air Temp.: 55 deg.F.

Seas: < 1 ft

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 185 gal. fuel capacity.

❖ Recommended max. continuous cruise speed is @ 3200 RPM.

❖ Performance data is subject to change depending on tankage, temperature and other factors.

