

BACK COVE YACHTS

PERFORMANCE DATA



Test Date: 6-27-17



Back Cove 32 - Hull# 14

Length Overall: 37'-0"

Beam: 11'-10"

Displacement: 17,500 lbs

Engine: Cummins QSB-SL6.7 425 mHP

Prop: 24" X 25", #4 Cup, ZF KCA (0.75 DAR) x 2" bore, RH, 4-blade, NiBrAl

Crew: 4 persons plus tools (approx. 800 lbs)

Fuel: 5/8 (approx. 116 gals)

Water: Full (approx. 80 gals)

Bottom: Bottom Paint

Weather: Overcast

Ambient Air Temp.: 67 deg.F.

Seas: < 1 ft

Sea Water Temp: 45 deg.F.

Comments:

- ❖ Speed measured by GPS. Average of reciprocal runs in Hingham Bay, North Weymouth, MA.
- ❖ 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 @ 2600 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	0.3	13.83	2303	75
	800	5.3	0.7	7.57	1261	66
	1000	6.5	1.5	4.33	722	72
	1200	7.6	2.2	3.43	571	74
	1400	8.4	3.4	2.46	409	75
	1600	9.8	5.3	1.86	309	75
	1800	11.9	7.2	1.65	275	76
	2000	14.3	8.9	1.60	267	77
	2200	16.7	10.4	1.61	269	80
	2400	19.4	13.3	1.46	243	81
Cruise	2600	22.3	15.8	1.41	234	83
	2800	24.8	18.8	1.32	220	83
WOT	3020	27.1	22.8	1.19	198	83

