

## PERFORMANCE DATA

### Back Cove 30, E-005 - Cummins QSD 4.2 (350-mHp) 10-Sep-10

	RPM	SPEED (kts)	GPH** (est)	NM/G	RANGE (nm)	dBA* (Helm)	ENG LOAD (%)
idle	600	3.5	0.3	11.7	1680	66	19
	800	4.8	0.4	12.0	1728	68	20
	1000	5.6	0.7	8.0	1152	68	28
	1200	6.5	1.0	6.5	936	77	32
	1400	7.5	1.7	4.4	635	78	42
	1600	8.2	2.4	3.4	492	77	51
	1800	8.9	3.1	2.9	413	77	60
	2000	9.7	4.4	2.2	317	77	64
	2200	11.3	5.2	2.2	313	78	59
	2400	13.3	6.5	2.0	295	79	62
	2600	15.5	7.6	2.0	294	79	63
	2800	17.5	8.7	2.0	290	80	66
	3000	20.0	10.1	2.0	285	81	71
	3200	22.0	11.6	1.9	273	82	75
WOT	3400	24.2	13.3	1.8	262	85	78
	3600	26.5	16.5	1.6	231	87	87
	3850	28.4	21.1	1.3	194	85	99

Notes: Based on performance measured 06/30/2010 with 4 crew (~800lbs.), Full fuel (160gal.), Full water (60gal.).

Estimated trial displacement: 12,900 lbs

Major options: stern thruster, inverter, mast

Wind - N 12-18 kts., Ambient Air Temp.: 61deg.F.

Seas - Choppy 1-3', Sea Water Temp.: 58deg.F.

Speed measured by GPS. Average of reciprocal runs in Mussel Ridge Channel, ME.

Engines: Cummins QSD 4.2 (350-mhp @ 3800 rpm) with 2.04:1 ZF63A reduction gear.

Propeller: 20" X 25", Hy-Torque (0.85 DAR) x 1.75" bore, 4-blade, NiBrAl, with no cup.

Maximum recommended continuous cruise: 3600RPM

Range based on 90% of 160gal. fuel capacity.

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

