

PERFORMANCE DATA

Back Cove 37', DE001 - Cummins QSC 8.3 (600-mHp)

	RPM	SPEED (kts.)	GPH	NM/G	RANGE (nm)	dBA Helm Deck
Idle	600	4.9	0.6	8.17	2205	67
	800	6.2	1.0	6.20	1674	66
	1000	7.3	1.7	4.26	1151	68
	1200	8.4	2.6	3.23	872	70
	1400	9.4	4.4	2.13	574	73
	1600	10.8	6.3	1.71	461	74
	1800	13.1	9.4	1.39	376	75
	2000	15.9	11.3	1.41	380	77
	2200	18.2	14.7	1.24	334	79
Cruise	2400	21.3	17.3	1.23	332	81
	2600	24.0	20.4	1.18	318	83
	2700	25.5	22.6	1.13	304	83
WOT	2800	26.9	24.8	1.08	292	83
	3080	29.7	31.8	0.93	252	84

Notes: Based on performance measured 7/3/2013 with 2 crew (~400lbs.), full fuel (300gal.), full water (120gal.).
 Clear, Wind - SSE at 0-5kts., Ambient Air Temp.: 65-70deg.F.
 Seas 0-1ft, Sea Water Temp.: 63deg.F.
 Speed measured by GPS. Average of reciprocal runs in Casco Bay, Portland, ME.
 Engine: Cummins QSC 8.3 (600-mhp @ 3000 rpm) with 2.3:1 ZF 286A reduction gear.
 Propeller: 28" X 33", ZF FPS (0.85 DAR) x 2-1/4" bore, 4-blade, NiBrAl.
 Fuel Consumption calculated by integral Cummins-Mercruiser engine fuel flow gauging equipment.
 Range based on 90% of 300gal. fuel capacity.
 Recommended max. continuous cruise speed is @ 2700 RPM.
 Performance data is subject to change depending on tankage, temperature and other factors.

Back Cove - Downeast 37 (DE001) Speed & Fuel Consumption

