

## Back Cove 37, D-001 - Cummins QSC 8.3 (600-mHp)

	RPM	SPEED (kts.)	GPH	NM/G	RANGE (nm)	Engine Load %	dBA Helm Deck
Idle	600	4.5	0.5	9.00	2430		66
	800	5.9	1.0	5.90	1593		67
	1000	7.7	1.6	4.81	1299	24	66
	1200	8.2	2.5	3.28	886	24	68
	1400	9.5	4.1	2.32	626	26	69
	1600	10.8	6.0	1.80	486	29	70
	1800	12.6	8.8	1.43	387	36	75
	2000	15.0	10.9	1.38	372	40	77
	2200	18.1	13.5	1.34	362	46	79
	2400	20.8	16.2	1.28	347	55	80
WOT	2600	23.9	19.2	1.24	336	66	82
	2800	26.2	22.3	1.17	317	75	82
	3070	28.8	29.4	0.98	264	98	83

Notes: Based on performance measured 01/29/2009 with 4 crew (~800lbs.), 92% fuel (276gal.), full water (120gal.), with no bottom paint, 150lbs. of tools., no owner's gear; no mast  
 Vessel Displacement at time of trial: 22,100 lbs (no crew aboard)  
 Clear, Wind - W moderate at 10-16kts., Ambient Air Temp.: 28deg.F.  
 Seas 1-2ft chop, Sea Water Temp.: 34deg.F.  
 Speed measured by GPS. Average of reciprocal runs in Rockland Harbor, Rockland, ME.  
 Engine: Cummins QSC 8.3 (600-mhp @ 3000 rpm) with 2.3:1 ZF 286A reduction gear.  
 Propeller: 28" X 31", ZF FPS (0.75 DAR) x 2.25" bore, 4-blade, NiBrAl, with #3 cup.  
 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.

