

PERFORMANCE DATA

Back Cove 37, D-003 - Yanmar 6CXM-GTE (530-mHp)

	RPM	SPEED (kts.)	GPH	NM/G	RANGE (nm)	Engine Load %	dBA Helm Deck
Idle	650	5.1	0.6	8.42	2273	7	66
	800	6.1	0.9	6.78	1830	12	67
	1000	7.4	1.6	4.59	1240	19	67
	1200	8.4	2.6	3.21	867	29	69
	1400	9.3	4.0	2.31	624	32	73
	1600	10.2	5.4	1.89	510	31	77
	1800	11.8	7.7	1.53	412	36	76
	2000	14.3	9.8	1.45	393	40	77
	2200	16.8	11.6	1.44	390	44	78
	2400	19.2	14.1	1.36	367	52	79
	2600	21.9	17.1	1.28	345	63	81
	2800	24.4	20.1	1.21	327	72	82
	2900	25.3	22.0	1.15	311	75	82
WOT	3000	26.3	23.5	1.12	302	88	84
	3050	27.0	25.1	1.08	290	98	84

Notes: Avg. performance measured APR 2009 with 8 crew (~1400lbs.), 80% fuel (240gal.), full water (120gal.), with no bottom paint, 150lbs. of tools., no owner's gear
 Estimated Displacement: 22,000 lbs (no crew aboard)
 Clear, Wind - moderate at 5kts., Ambient Air Temp.: 45deg.
 Seas Calm, Sea Water Temp.: 40deg.
 Speed measured by GPS. Average of reciprocal runs in Rockland Harbor, ME
 Engine: Yanmar 6CX (530-mhp @ 3000 rpm) with 2.5:1 ZF 286A reduction gear.
 Propeller: 28" X 30.9", ZF FPS (0.75 DAR) x 2.25" bore, 4-blade, NiBrAl, with #2 cup.
 Fuel Consumption calculated by integral Yanmar engine fuel flow gauging equipment.
 Range based on 90% of 300gal. fuel capacity.
 Recommended max. continuous cruise speed is @ 2800 RPM.
 Performance data is subject to change depending on tankage, temperature and other factors.

