

## PERFORMANCE DATA

**Back Cove 30, E-043 - Yanmar 8LV (370-mHp)**  
5-Oct-11

	RPM	SPEED (kts)	GPH	NM/G	RANGE (nm)	dBA* (Helm)	%LOAD
idle	550	3.3	0.2	16.5	2376	63	4
	750	4.4	0.3	14.7	2112	64	7
	1000	5.6	0.7	8.0	1152	65	11
	1250	6.6	1.2	5.5	792	67	19
	1500	7.6	1.9	4.0	576	69	25
	1800	8.7	3.4	2.6	368	75	34
	2000	9.8	4.4	2.2	321	77	38
	2250	11.8	5.6	2.1	303	77	42
	2500	15	7.1	2.1	304	76	48
	2800	18.2	8.7	2.1	301	79	52
	3000	20.9	9.9	2.1	304	80	56
	3200	23.2	11.4	2.0	293	83	62
	3400	25.2	13.2	1.9	275	82	68
	3600	26.8	15.6	1.7	247	81	80
WOT	3800	28.5	16.8	1.7	244	83	89
	3900	28.8	17.8	1.6	233	83	100

Notes: Performance measured 10/5/2011 with 2 crew (~380lbs.), Full fuel (150gal.), Full water (60gal.).  
 Estimated trial displacement: 12,800 lbs  
 Major options: stern thruster, inverter, helm refer  
 Wind - NNW 18-25 kts., Ambient Air Temp.: 54deg.F.  
 Seas ~ Choppy, with white caps 1'-3", Sea Water Temp.: 54deg.F.  
 Speed measured by GPS. Average of reciprocal runs in Mussel Ridge Channel, ME.  
 \*dBA recorded at helm with no aft enclosure on 25APR11  
 Engine: Yanmar 8LV 370-mhp @ 3800 rpm) with 2.13:1 KMH50 reduction gear.  
 Propeller: 20" X 24", ZF FPS (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.  
 fuel consumption per Yanmar digital display

