

## PERFORMANCE DATA

### Back Cove 30, E-001 - Yanmar 6LPA-STP (315-mHp) 30-Jun-10

	RPM	SPEED (kts)	GPH** (est)	NM/G	RANGE (nm)	dBA* (Helm)
idle	550	2.6	0.3	8.7	1248	
	800	3.8	0.5	8.4	1216	66
	1000	5.0	0.6	8.3	1200	68
	1200	5.8	1.0	5.8	835	
	1400	6.6	1.3	5.1	731	72
	1600	7.3	1.9	3.8	553	72
	1800	8.1	2.7	3.0	432	
	2000	8.7	3.6	2.4	348	77
	2200	9.8	4.8	2.0	294	
	2400	11.7	6.0	2.0	281	80
	2600	13.5	7.0	1.9	278	80
	2800	15.5	8.1	1.9	276	
	3000	17.5	9.0	1.9	280	81
	3200	20.0	10.2	2.0	282	
WOT	3400	21.8	11.5	1.9	273	84
	3600	24.1	13.8	1.7	251	84
	3875	26.7	17.0	1.6	226	90

Notes: Based on performance measured 06/30/2010 with 3 crew (~600lbs.), Full fuel (160gal.), Full water (60gal.).  
 Estimated trial displacement: 12,900 lbs  
 Major options: stern thruster, inverter, mast  
 Wind - SSW 6-10 kts., Ambient Air Temp.: 71deg.F.  
 Seas - Calm < 2', Sea Water Temp.: 58deg.F.  
 Speed measured by GPS. Average of reciprocal runs in West Penobscot Bay, ME.  
 \*dBA taken at helm; running in Sheepscot River, ME on 12JUL10  
 Engines: Yanmar 6LPA-STP (315-mhp @ 3800 rpm) with 2.13:1 KM50 reduction gear.  
 Propeller: 20" X 23", Hy-Torque (0.75 DAR) x 1.5" 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 data based on data supplied by engine mfg.

