

## PERFORMANCE DATA

### Back Cove 30, E-006 - Yanmar 6LY-UTP (380-mHp)

23-Sep-10

	RPM	SPEED (kts)	GPH** (est)	NM/G	RANGE (nm)	LOAD %	dBA* (Helm)
idle	700	4.1	0.3	13.7	1968	0	75
	1000	5.6	0.5	11.2	1613	0	73
	1200	6.6	0.8	8.3	1188	3	72
	1400	7.4	1.3	5.7	820	6	73
	1600	8.1	2.1	3.9	555	9	74
	1800	8.9	3.5	2.5	366	15	77
	2000	10.0	5.5	1.8	262	25	78
	2200	12.1	7.0	1.7	249	32	78
	2400	14.8	8.4	1.8	254	39	79
	2600	16.9	8.8	1.9	277	41	80
	2800	19.7	10.2	1.9	278	48	81
	3000	22.4	12.0	1.9	269	56	81
	3200	24.3	13.6	1.8	257	67	82
3300	25.6	14.2	1.8	260	70	83	
WOT	3500	27.4	18.0	1.5	219	99	86

Notes: Based on performance measured 09/23/2010 with 3 crew (~600lbs.), Full fuel (160gal.), Full water (60gal.).

Estimated trial displacement: 12,900 lbs

Major options: stern thruster, inverter, mast

Wind - N 10-12 kts., Ambient Air Temp.: 58deg.F.

Seas ~ Calm < 2', Sea Water Temp.: 58deg.F.

Speed measured by GPS. Average of reciprocal runs in West Penobscot Bay, ME.

Engines: Yanmar 6LY-UTP (380-mhp @ 3300 rpm) with 2.04:1 KMH61 reduction gear.

Propeller: 20" X 25", 1.75" bore, 4-blade, NiBrAl, with #5 cup.

Maximum recommended continuous cruise: 3200RPM

Range based on 90% of 160gal. fuel capacity.

Performance data is subject to change depending on tankage, temperature and other factors.

fuel consumption data recorded from Yanmar display

