

PERFORMANCE DATA

Back Cove 30, E-060 - Yanmar 8LV (320-mHp) 30-May-12

	RPM	SPEED (kts)	GPH	NM/G	RANGE (nm)	dBA* (Helm)	%LOAD
idle	550	3.0	0.2	14.8	2124	64	8
	800	4.3	0.4	10.6	1530	65	8
	1000	5.3	0.6	8.8	1272	64	12
	1200	6.2	1	6.2	893	65	17
	1400	7.2	1.5	4.8	686	66	23
	1600	7.9	2	4.0	569	72	27
	1800	8.5	3	2.8	406	75	30
	2000	9.0	4.2	2.1	309	77	35
	2200	10.3	5.3	1.9	280	77	45
	2400	12.1	6.5	1.9	268	77	50
	2600	14.2	7.6	1.9	268	78	55
	2800	16.2	8.2	2.0	284	79	60
	3000	18.4	9.6	1.9	276	80	62
	3200	20.8	11.2	1.9	267	81	67
WOT	3400	22.6	12.9	1.8	252	80	75
	3600	24.6	14.5	1.7	244	81	91
	3800	26.4	15.2	1.7	250		97
	3860	27.3	16.1	1.7	244	82	100

Notes: Performance measured 5/30/2012 with 5 crew (~1000lbs.), ~ 3/4 fuel (130gal.), Full water (60gal.).

Estimated trial displacement w/ crew: 13,400 lbs

Major options: stern thruster, inverter

Wind - SE 4-8 kts., Ambient Air Temp.: 56deg.F.

Seas ~ Calm < 2', Sea Water Temp.: 55deg.F.

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

*dBA recorded at helm with no aft enclosure on 30May12

Engine: Yanmar 8LV 320-mhp @ 3800 rpm) with 2.13:1 KMH50 reduction gear.

Propeller: 20" X 22", 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

