

PERFORMANCE DATA

SABRE 34 EXPRESS, Z-001 - Volvo D6 (370-mHp) NO AFT ENCLOSURE

	RPM	SPEED (kts.)	GPH	NM/G	RANGE (nm)	dBA Salon	dBA Helm Deck	dBA Aft Cockpit
Idle	650	4.7	0.5	8.70	1958	-	-	-
	1000	6.7	1.9	3.45	777	65	69	72
	1200	7.7	2.8	2.75	619	67	73	74
	1400	8.5	4.3	1.97	443	67	73	74
	1600	9.0	5.6	1.60	360	70	75	77
	1800	10.2	9.2	1.11	251	72	76	78
	2000	12.7	11.5	1.10	248	72	76	78
	2200	16.0	13.7	1.17	263	74	77	80
	2400	17.8	16.1	1.11	249	76	78	82
	2600	20.9	19.2	1.09	245	77	80	84
	2800	23.9	21.0	1.14	256	78	81	85
	3000	25.9	24.9	1.04	234	80	82	86
	3100	26.9	26.9	1.00	225	80	83	87
	3200	28.2	29.0	0.97	219	81	83	87
3300	29.3	32.0	0.92	206	82	84	87	
3400	30.1	34.4	0.88	197	82	85	88	
WOT	3560	31.9	41.5	0.77	173	84	85	88

Time to Boost: 5 seconds
 Time to Plane: 5 seconds
 Time to WOT: 18 seconds

Notes: Based on performance measured 08/22/2006 with 2 crew (~380lbs.), full fuel (250gal.), full water (60gal.)
 with No Aft Enclosure, 100lbs. of tools.
 Sunny, Wind - S at < 8kts., Ambient Air Temp.: 82deg.F.
 Seas flat with light ripple., Sea Water Temp.: 68deg.F.
 Speed measured by GPS. Average reciprocal runs inside Great Diamond Island, Casco Bay, ME using some trim tabs.
 Engines: 2/ea. Volvo D6 (370-mhp @ 3500 rpm) with 1.962:1 ZF 80A reduction gears.
 Propellers: 21" X 23.5", ZF FPS (0.85 DAR) X 1.75"bore, 4-blade, NiBrAl, #5-medium cup.
 Fuel Consumption calculated by integral Volvo engine fuel flow gauging equipment.
 Range based on 90% of 250gal. fuel capacity.
 Volvo recommended max. continuous cruise speed is @ 3300 RPM.
 Performance data is subject to change depending on tankage, temperature and other factors.

