



**80 Outer Reef  
Fuel Burn and Range  
Twin Caterpillar C-12 Acert (705 bhp)**

RPM	AHEAD SPEED(kt)	RETURN SPEED(kt)	AVERAGE SPEED(kt)	FUEL RATE (GPH)		TOTAL FUEL	ENG. LOAD %		RANGE 3000 gals	RANGE 3500 gals
				PORT	STBD		PORT	STBD		
700	4.9	5.7	5.3	3.1	3.1	6.2	17	17	2565	2992
800	5.5	6.7	6.1	3.3	3.2	6.5	19	19	2815	3285
900	6.3	7.2	6.75	3.4	3.3	6.7	24	23	3022	3526
1000	6.9	8	7.45	4.3	4.3	8.6	26	25	2599	3032
1100	7.3	8.4	7.85	4.7	4.7	9.4	27	27	2505	2923
1200	7.7	9.1	8.4	5.8	5.6	11.4	28	28	2211	2579
1300	8.6	9.7	9.15	6.4	6.4	12.8	32	31	2145	2502
1400	9.2	10.3	9.75	7.5	7.5	15	33	32	1950	2275
1500	9.6	10.9	10.25	8.8	8.7	17.5	34	33	1757	2050
1600	10.4	11.4	10.9	10	10	20	38	38	1635	1908
1700	11.1	12	11.55	12.3	12.3	24.6	46	46	1409	1643
1800	11.5	12.6	12.05	15.3	15	30.3	50	49	1193	1392
1900	12	12.7	12.35	18	18	36	60	60	1029	1201
2000	12.4	13.5	12.95	22	22	44	65	65	883	1030
2100	12.8	13.8	13.3	26.2	25.4	51.6	75	74	773	902
2200	13	14.2	13.6	28	28	56	83	83	729	850
2300	13.6	14.9	14.25	30.9	31.4	62.3	93	93	686	801
MAX	13.7	15.1	14.4	34.3	34.2	68.5	99	99	631	736

This information is provided for guidance and Outer Reef Yachts does not guarantee speeds or performance. Since all vessels are custom built and may vary in equipment, appendages and displacement, there is no guarantee that 2 similar sized vessels with the same horsepower engines will perform in the same manner.



OUTER REEF  
CLASSIC

80 Outer Reef  
Fuel Burn and Range  
Twin Caterpillar C-18 Acert (1001 bhp)

RPM	AVERAGE SPEED(kt)	FUEL RATE (GPH)		TOTAL FUEL	ENG. LOAD %		RANGE 3000 gals	RANGE 3500 gals
		PORT	STBD		PORT	STBD		
600	5.1	0.4	0.4	0.8	16	16	19125	22313
900	7.7	4.5	4.5	9	29	29	2567	2994
1000	8.4	5.5	6	11.5	30	30	2191	2557
1100	9.1	5.5	6	11.5	30	30	2374	2770
1200	9.7	7.2	8.1	15.3	32	33	1902	2219
1300	10.5	9.8	10	19.8	34	35	1591	1856
1400	10.9	12.5	13	25.5	35	37	1282	1496
1500	11.5	14.8	15.3	30.1	38	38	1146	1337
1600	12.2	18.4	18.5	36.9	41	41	992	1157
1700	12.7	21.5	22	43.5	47	47	876	1022
1800	13.3	25	25.8	50.8	53	53	785	916
1900	13.8	29.6	30	59.6	61	61	695	810
2000	14.2	33	33	66	67	67	645	753
2100	14.5	37.5	37.5	75	75	75	580	677
2200	15.4	42.5	42.5	85	83	83	544	634
2300	16.1	49	49	98	93	91	493	575
MAX	17.2	52.8	52.8	105.6	97	96	489	570

	1.FUEL TANK:100% WATER TANK:100%
REMARK:	2.MAX. RPM : P=2327 S=2347
	3.PERSONS ON BOARD : 20
	4.BOAT WEIGHT= 80.913 tons + 20 person = 82.313 tons
	5.CATERPILLAR C-18 ACERTS (1001 BHP x 2)
	6.SEA TRIALS IN OCEAN, W/ SPEED RUNS IN OPPOSITE DIRECTIONS

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OUTER REEF  
CLASSIC

80 Outer Reef  
Fuel Burn and Range  
Twin Caterpillar C-32 Acert (1550 bhp)

RPM	AVERAGE	FUEL RATE (GPH)		TOTAL	ENG. LOAD %		RANGE	RANGE
	SPEED(kt)	PORT	STBD	FUEL	PORT	STBD	3000 gals	3500 gals
700	6.6	2.9	2.9	5.8	7	7	3414	3983
800	7.3	4	4	8	10	10	2738	3194
900	8.1	5	5	10	12	12	2430	2835
1000	9.1	7.8	7.8	15.6	19	19	1750	2042
1100	10.1	9.3	9.3	18.6	21	21	1629	1901
1200	11	12	12	24	20	20	1375	1604
1300	11.6	15	15	30	23	23	1160	1353
1400	12.2	18.8	18.8	37.6	27	27	973	1136
1500	12.8	23.8	23.8	47.6	30	30	807	941
1600	13.5	29	29	58	33	33	698	815
1700	14.5	34.5	34.5	69	40	40	630	736
1800	15.4	40	40	80	48	48	578	674
1900	16.7	45.5	45.5	91	55	55	551	642
2000	17.9	52	52	104	61	61	516	602
2100	18.7	58.5	58.5	117	70	70	479	559
2200	20	64	64	128	78	78	469	547
2300	21.1	80	80	160	95	95	396	462
MAX	22.4	83	83	166	98	96	405	472

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