



**63 Outer Reef  
Fuel Burn and Range  
Twin Caterpillar C-9 Acert (503 bhp)**

RPM	AHEAD SPEED(kt)	RETURN SPEED(kt)	AVERAGE SPEED(kt)	FUEL RATE (GPH)		TOTAL FUEL	ENG. LOAD %		RANGE 1300 gals	RANGE 1000 gals
				PORT	STBD		PORT	STBD		
700	5.8	4.4	5.1	0.7	0.9	1.6	4	5	4144	3188
1000	7.5	6.5	7	1.3	1.5	2.8	6	8	3250	2500
1100	8.4	6.8	7.6	1.9	2.1	4	11	13	2470	1900
1200	8.8	7.4	8.1	2.2	2.4	4.6	12	14	2289	1761
1300	9.3	8.2	8.8	2.5	3	5.5	13	17	2080	1600
1400	9.8	8.7	9.3	3	3.7	6.7	14	17	1804	1388
1500	10.7	9.2	10	4	4.7	8.7	14	17	1494	1149
1600	11	9.8	10.4	4.8	5.7	10.5	17	21	1288	990
1700	11.5	10.2	10.9	5.4	6.6	12	22	26	1181	908
1800	11.9	10.6	11.3	7.2	8.4	15.6	24	27	942	724
1900	12.3	10.9	11.6	9.4	10.3	19.7	34	35	765	589
2000	12.8	11.1	12	10.9	12.2	23.1	36	40	675	519
2100	13.4	11.6	12.5	12.8	14.2	27	51	54	602	463
2200	13.7	11.9	12.8	15.5	16.9	32.4	57	58	514	395
2300	14.5	12.6	13.6	18.7	19.8	38.5	71	76	459	353
2400	15	13.4	14.2	20.4	21	41.4	77	77	446	343
2500	15.7	13.9	14.8	22.3	23.5	45.8	88	91	420	323
MAX	16	14.8	15.4	23.8	24.3	48.1	96	96	416	320

	1.FUEL TANK:100% WATER TANK:100%	
REMARK:	2.MAX. RPM : P=2532 S=2540	1300 US Gallons
	3.PERSONS ON BOARD : 17	
	BOAT WEIGHT= 41.12 tons + 17 person = 42.4 tons	
	SEA TRIALS IN OCEAN, W/ SPEED RUNS IN OPPOSITE DIRECTIONS	

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.



**63 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 1300 gals	RANGE 1000 gals
				PORT	STBD		PORT	STBD		
700	4.5	7.5	6	2.4	2.6	5	15	15	1560	1200
900	5.9	9.1	7.5	3.2	3.6	6.8	22	25	1434	1103
1000	6.6	9.4	8	4.4	5	9.4	24	26	1106	851
1100	7.3	10.2	8.75	4.9	5.5	10.4	25	28	1094	841
1200	8	11	9.5	5.6	6.5	12.1	27	30	1021	785
1300	8.7	11.6	10.15	6.8	7.7	14.5	30	34	910	700
1400	9.2	12.2	10.7	9.5	10.4	19.9	34	36	699	538
1500	9.5	12.8	11.15	9.8	11.4	21.2	38	41	684	526
1600	10.1	13.3	11.7	11.9	12.1	24	42	43	634	488
1700	10.5	14	12.25	15	15.5	30.5	47	49	522	402
1800	11.5	14.6	13.05	18.9	19.5	38.4	56	57	442	340
1900	12.1	16.7	14.4	20.1	20.4	40.5	64	64	462	356
2000	13.3	17.6	15.45	21.2	21.5	42.7	69	70	470	362
2100	14.6	18	16.3	24.8	25.3	50.1	75	76	423	325
2200	15.5	19.1	17.3	27.6	28.5	56.1	83	84	401	308
2300	16.9	20.5	18.7	29.8	31.3	61.1	89	93	398	306
MAX	17.5	21.5	19.5	34.4	34.3	68.7	99	99	369	284

	1.FUEL TANK:100% WATER TANK:100%	
REMARK:	2.MAX. RPM : P=2532 S=2540	1300 US Gallons
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	BOAT WEIGHT= 41.12 tons + 17 person = 42.4 tons	
	SEA TRIALS IN OCEAN, W/ SPEED RUNS IN OPPOSITE DIRECTIONS	

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