



**65 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	2000 US Gals	RANGE 2350 gals	RANGE 2600 gals
				PORT	STBD				
700	4	4.8	4.4	0.7	0.9	1.6	5500	6463	7150
1000	6.4	6.7	6.55	1.7	1.8	3.5	3743	4398	4866
1100	6.9	7.2	7.05	2	2.1	4.1	3439	4041	4471
1200	7.4	7.7	7.55	2.3	2.3	4.6	3283	3857	4267
1300	7.9	8.3	8.1	2.8	2.9	5.7	2842	3339	3695
1400	8.2	8.8	8.5	3.7	3.7	7.4	2297	2699	2986
1500	8.8	9.3	9.05	4.4	4.4	8.8	2057	2417	2674
1600	9.3	9.8	9.55	5.3	5.3	10.6	1802	2117	2342
1700	9.6	10.3	9.95	6.4	6.4	12.8	1555	1827	2021
1800	9.9	10.8	10.35	8	8	16	1294	1520	1682
1900	10.2	11.4	10.8	9.5	10.2	19.7	1096	1288	1425
2000	10.7	11.8	11.25	11.9	11.9	23.8	945	1111	1229
2100	11.1	12.1	11.6	13.8	14.1	27.9	832	977	1081
2200	11.4	12.4	11.9	16.7	16.8	33.5	710	835	924
2300	11.7	12.6	12.15	20	20	40	608	714	790
2400	12	12.9	12.45	22.3	22.5	44.8	556	653	723
MAX	12.4	13.7	13.05	25.6	25.6	51.2	510	599	663

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.



**65 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 2000 gals	RANGE 2350 gals	RANGE 2600 gals
				PORT	STBD		PORT	STBD			
700	5.7	5.6	5.65	2.7	3.1	5.8	14	16	1948	2289	2533
900	7.3	7.1	7.2	3.2	3.9	7.1	21	24	2028	2383	2637
1000	8	7.5	7.75	4	4.5	8.5	22	25	1824	2143	2371
1100	8.8	8.3	8.55	4.3	4.7	9	24	27	1900	2233	2470
1200	9.4	9	9.2	5.3	5.9	11.2	26	29	1643	1930	2136
1300	9.6	9.7	9.65	7.1	7.6	14.7	30	33	1313	1543	1707
1400	9.8	9.9	9.85	8.4	9	17.4	33	34	1132	1330	1472
1500	11	10.9	10.95	9.2	10.1	19.3	34	36	1135	1333	1475
1600	11.5	11.4	11.45	11.3	11.6	22.9	40	43	1000	1175	1300
1700	12.3	11.8	12.05	13.6	14	27.6	44	47	873	1026	1135
1800	12.8	12.4	12.6	18	18.7	36.7	54	56	687	807	893
1900	13.2	12.9	13.05	20.2	20.5	40.7	60	61	641	754	834
2000	14	13.2	13.6	21.5	21.5	43	71	73	633	743	822
2100	14.5	14.1	14.3	24.4	25.4	49.8	74	76	574	675	747
2200	15.1	14.9	15	26.1	27	53.1	80	81	565	664	734
2300	16	15.9	15.95	32.5	33.1	65.6	90	92	486	571	632
MAX	16.8	16.6	16.7	34.3	34.1	68.4	99	99	488	574	635

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

RPM	AHEAD SPEED(kt)	RETURN SPEED(kt)	AVERAGE SPEED(kt)	FUEL RATE (GPH)		TOTAL FUEL	ENG. LOAD %		RANGE 2000 gals	RANGE 2350 gals	RANGE 2600 gals
				PORT	STBD		PORT	STBD			
900	8.6	6.6	7.6	3.8	4.1	7.9	26	26	1924	2261	2501
1000	9.3	7.6	8.45	5	5.4	10.4	28	28	1625	1909	2113
1100	9.7	8.4	9.05	5.1	5.3	10.4	29	29	1740	2045	2263
1200	10.5	8.9	9.7	7.1	7.5	14.6	32	32	1329	1561	1727
1300	11.2	9.6	10.4	10.1	10.3	20.4	35	35	1020	1198	1325
1400	11.8	10	10.9	12.7	13.1	25.8	37	37	845	993	1098
1500	12.4	10.5	11.45	15.3	15.4	30.7	40	40	746	876	970
1600	12.8	11.1	11.95	18.5	19	37.5	45	45	637	749	829
1700	13.3	11.4	12.35	22.5	22.5	45	47	47	549	645	714
1800	14	12	13	26.5	26.5	53	54	54	491	576	638
1900	14.4	12.3	13.35	30.5	30.5	61	62	62	438	514	569
2000	15.1	13.4	14.25	34.5	34.5	69	68	68	413	485	537
2100	16.1	14.2	15.15	37.4	37.4	74.8	77	77	405	476	527
2200	17.1	15.6	16.35	42.5	42.5	85	83	83	385	452	500
2300	19	16.6	17.8	48.7	48.7	97.4	91	91	366	429	475
MAX	19.4	17.5	18.45	51.6	51.6	103.2	95	95	358	420	465

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**65 Outer Reef
Fuel Burn and Range
Twin John Deere 6081 AFM (375 bhp)**

RPM	AHEAD SPEED(kt)	RETURN SPEED(kt)	AVERAGE SPEED(kt)	FUEL RATE (GPH)		TOTAL FUEL	ENG. LOAD %		Range 2000 gals	RANGE 2350 gals	RANGE 2600 gals
				PORT	STBD		PORT	STBD			
1000	5.6	7.2	6.40	1.7	1.7	3.4	33	34	3765	4424	4894
1100	6.2	7.6	6.90	2.1	2.1	4.2	34	35	3286	3861	4271
1200	6.7	8.2	7.45	2.7	2.8	5.5	35	36	2709	3183	3522
1300	7.3	8.6	7.95	3.3	3.4	6.7	39	38	2373	2788	3085
1400	7.8	9	8.40	3.9	4.1	8.0	41	40	2100	2468	2730
1500	8.2	9.6	8.90	5.2	5.1	10.3	42	41	1728	2031	2247
1600	8.7	10.2	9.45	6.1	6	12.1	43	42	1562	1835	2031
1700	9.2	10.6	9.90	7	6.8	13.8	44	43	1435	1686	1865
1800	9.6	11	10.30	8.2	8.1	16.3	48	48	1264	1485	1643
1900	10	11.4	10.70	9.5	9.3	18.8	54	51	1138	1338	1480
2000	10.4	11.8	11.10	10.6	10.5	21.1	58	54	1052	1236	1368
2100	10.7	12.1	11.40	12.6	12.4	25.0	66	64	912	1072	1186
2200	11	12.3	11.65	14.7	14.5	29.2	81	79	798	938	1037
2300	11.1	12.7	11.90	17.1	17.1	34.2	93	92	696	818	905
MAX	11.2	13	12.10	18.7	18.8	37.5	100	100	645	758	839

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