

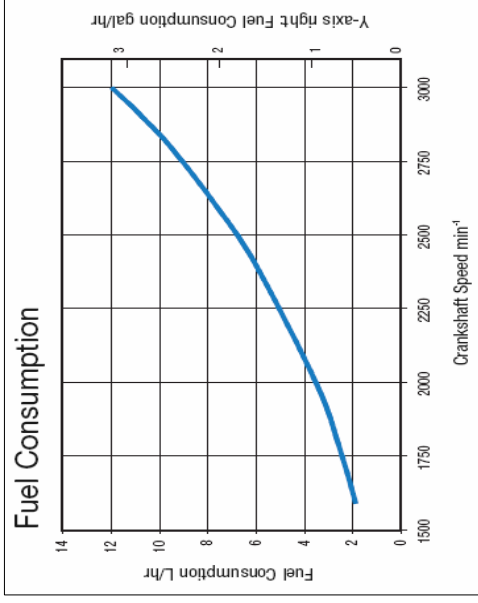
Fuel Consumption vs. Range (Duration & Distance)

Lagoon 440s2 #113 - Twixter

Yanmar 54hp (4JH4E) Fuel Capacity per Engine (Liters): **325 ltr** Weight*: **276 kgs**

Range

RPMs	Speed		Single Engine		Split Engine		Dual Engine			
	RPMs	Knots	Burn (L/Hr)	Time	Distance	Time	Distance	Speed	Time	Distance
1500	3.0 kn		1.9	171 hrs	513 nm	342 hrs	1,026 nm	4.3 kn	171 hrs	735 nm
1750	4.0 kn		2.8	116 hrs	464 nm	232 hrs	928 nm	5.3 kn	116 hrs	615 nm
2000	5.0 kn		3.8	86 hrs	430 nm	172 hrs	860 nm	6.3 kn	86 hrs	542 nm
2250	6.0 kn		5	65 hrs	390 nm	130 hrs	780 nm	7.3 kn	65 hrs	475 nm
2500	7.0 kn		6.8	48 hrs	336 nm	96 hrs	672 nm	8.3 kn	48 hrs	398 nm
2700	8.0 kn		9	36 hrs	288 nm	72 hrs	576 nm	9.3 kn	36 hrs	335 nm
3000	9.0 kn		12	27 hrs	243 nm	54 hrs	486 nm	10.3 kn	27 hrs	278 nm



Fuel Consumption Worksheet (Fuel, Duration & Total Cost)

Fuel Cost (€/L): **1.06€**

Total Distance (nm): **100**

RPMs	Speed (knots)		Fuel		Single/Split Engine (2 tanks)		Dual Engine						
	Used (ltrs)	Used (%)	Weight* (kgs)	Reserve (ltrs)	Total Duration (hrs)	Total Cost (€)	Speed (knots)	Used (ltrs)	Used (%)	Weight* (kgs)	Reserve (ltrs)	Total Duration (hrs)	Total Cost (€)
1500	63 ltrs	9.6%	53 kgs	587 ltrs	33 hrs	66.46 €	4.3 kn	87 ltrs	13.4%	74 kgs	563 ltrs	23 hrs	92.64 €
1750	70 ltrs	10.8%	60 kgs	580 ltrs	25 hrs	74.20 €	5.3 kn	106 ltrs	16.4%	90 kgs	544 ltrs	19 hrs	112.78 €
2000	76 ltrs	11.7%	65 kgs	574 ltrs	20 hrs	80.56 €	6.3 kn	122 ltrs	18.7%	103 kgs	528 ltrs	16 hrs	128.90 €
2250	85 ltrs	13.1%	72 kgs	565 ltrs	17 hrs	90.10 €	7.3 kn	140 ltrs	21.5%	119 kgs	510 ltrs	14 hrs	148.40 €
2500	95 ltrs	14.6%	81 kgs	555 ltrs	14 hrs	100.91 €	8.3 kn	163 ltrs	25.1%	139 kgs	487 ltrs	12 hrs	172.99 €
2700	117 ltrs	18.0%	99 kgs	533 ltrs	13 hrs	124.02 €	9.3 kn	198 ltrs	30.5%	168 kgs	452 ltrs	11 hrs	209.88 €
3000	132 ltrs	20.3%	112 kgs	518 ltrs	11 hrs	139.92 €	10.3 kn	240 ltrs	36.9%	204 kgs	410 ltrs	10 hrs	254.40 €

Savings @ Equal RPMs			
Speed (RPMs)	Single Engine		Dual Engine
	Money	Engine Time (x2)	Duration
1500	26.18 €	6.5 hrs	10.0 hrs
1750	38.58 €	6.5 hrs	6.0 hrs
2000	48.34 €	6.0 hrs	4.0 hrs
2250	58.30 €	5.5 hrs	3.0 hrs
2500	72.08 €	5.0 hrs	2.0 hrs
2700	85.86 €	4.5 hrs	2.0 hrs
3000	114.48 €	4.5 hrs	1.0 hrs

Savings @ Equal Speed			
Speed (knots)	Single Engine		Dual Engine
	Money	Engine Time (x2)	Duration
--	--	--	--
4.0 kn	18.44 €	10.5 hrs	--
5.0 kn	32.22 €	9.0 hrs	--
6.0 kn	38.80 €	7.5 hrs	--
7.0 kn	47.49 €	7.0 hrs	--
8.0 kn	48.97 €	5.5 hrs	--
9.0 kn	69.96 €	5.5 hrs	--

Notes/Comments:

Weights & Measures

1 Kilogram (kg) = 2.2 Pounds (lbs)

1 knot (kn) = 1.85 Kilometers (1.15 Miles)/Hour

1 Nautical Mile (nm) = 1.85 Kilometers / 1.15 Miles

1 Liter (ltr) = .26 US Gallons (gl)

1 Euro (€) = 1.32 US Dollars (\$)*