

NMPG Fuel Efficiency Comparisons & Observations										Data Source is Power & Motoryacht Magazine's New Boat Buyer's Guide 2014, Builder Website information or MJM Yachts Sea Trial Data					11/25/15		
THE DATA SHOWS:	1. Diesel I/Os More Efficient than Gas Outboards		2. Hybrids Not There Yet		3. Jet Drives Not Fuel Efficient			4. When Power is Equal Weight & Beam Make the Difference		5. Pound for Pound Dollar for Dollar MJM Quality Construction Pays Off		6. Triples Equal Twins		7. Trawlers are Slow, Not Fuel Efficient		8. Traditional Construction Results in Low Performance	
	BRAND Model	MJM 29z	Hunt Surftr 29	MJM 34z	Greenline Hybrid 33	MJM 36z-19	MJM 36z-26	Hinckley T34	Sabre 42 SE	MJM 40z - 38	Hinckley T43	MJM 50z Twins	MJM 50z Triples	Beneteau Swift Tr 50	Grand Bks 43	Tiara 50 Coupe	Hunt 52
LOA	32' 6"	32' 1"	37' 5"	32' 9"	39' 4"	39' 4"	36' 0"	45' 0"	44' 2"	45' 6"	55' 3"	56' 0"	50' 0"	48' 11"	54' 6"	57' 4"	
LOD (Length on Deck)	29' 0"	29' 0"	34' 0"	32' 0"	36' 0"	37' 0"	34' 3"	40' 10"	40' 0"	43' 9"	50' 0"	50' 0"	43' 9"	43' 0"	50' 0"	51' 9"	
Beam	10' 2"	10' 6"	11' 0"	11' 5"	11' 0"	11' 0"	11' 0"	14' 0"	12' 0"	14' 6"	15' 0"	15' 0"	15' 3"	15' 8"	15' 11"	15' 0"	
Draft	2' 5"	2' 1"	2' 5"	2' 3"	2' 5"	2' 5"	1' 10"	3' 4"	3' 3"	2' 4"	2' 10"	3' 10"	3' 5"	3' 9"	4' 8"	4' 7"	
1/2 Load	8,600	9,000	10,600	10,500	13,100	14,000	14,000	26,000	18,910	28,000	30,850	32,850	35,264	41,000	53,000	63,000	
Fuel (gal)	120	235	150	132	200	200	160	380	350	500	520	520	634	600	654	750	
Engines	Volvo D4	Ymha Gas	Yanmar 6LY	VW	Volvo D3	Yanmar	Yanmar	Volvo D6	Volvo D6	Cummins	Volvo D6	Volvo D6	Volvo D6	Cummins	Volvo D9	Cat C18	
HP	1x260	2x250	1x440	150VW	2x220	2x260	2x260	2x370	2x370	2x550	2x435	3x435	2x435	2x480	2x600	2x1001	
Drive	I/O	Outboards	Shaft	TDI 15-5	I/O IPS	I/O Joystk	Jet	IPS 500	IPS 500	Jet	IPS 600	IPS 600	IPS 600	Zeus	IPS 800	Thrusters	
4-6 Knots	5.8	5.6	5	6.1	4.5	4.5	4.5	4.2	5.0	5.4	4.1	5.1	5.0		5.6		
GPH	0.6	2.5	0.4	1.0	0.5	0.9	1.0	0.6	0.7	2.2	1.3	1.1	1.5		2.4		
NMPG	9.7	2.2	12.5	6.0	9.0	5.0	4.5	7.0	7.1	2.5	5.10	4.60	3.3		2.3		
NM Range	1044	474	1688	741	1620	900	648	2419	2115	1105	2399	2153	1903		1374		
7-9 Knots	8.3	8.3	8.7	8.4	8.7	8.0	7.9	7.7	7.6	7.1	7.0	7.8	7.6	7.0	8.8	10.2	
GPH	2	7	2.3	2.48	3.3	3.5	4.8	3.0	2.7	6.0	2.4	2.5	3.9	4.4	8.5	17.6	
NMPG	4.2	1.2	3.8	3.4	2.8	2.3	1.6	2.6	2.8	1.2	2.90	3.10	1.9	1.6	1.0	0.6	
range	448	244	511	403	504	414	237	881	1200	532	1365	1451	1112	859	609	390	
9-12 Knots	10.4	11.0	10.3	10.4	11.5	12.0	9.8	11.9	10.0	10.8		11.1	11.0	10.3	11.2	11.5	
GPH	3.5	10.9	3.3	4.5	6.0	7.2	8.0	12	6.8	17.6		9.0	19.0	25.4	21.9	26.4	
NMPG	3.0	1.0	3.1	2.3	1.9	1.7	1.2	1.0	1.5	0.6		1.30	0.6	0.4	0.5	0.4	
range	321	213	421	274	342	303	176	343	517	276		608	330	219	301	295	
13-18	14.4	16.9	13.2	13.9	16.5		15.6	16.0	15.8	18.3	13.0	18.4	15.2	17.7	17.9	18.6	
GPH	4.6	13.7	5.4	8.6	9.2		14.2	18.0	11.9	31.2	12.0	16	31.2	35.0	37.1	38.8	
NMPG	3.1	1.2	2.4	1.6	1.8		1.1	0.9	1.3	0.6	1.10	1.10	0.5	0.5	0.5	0.5	
range	338	261	330	193	324		158	307	410	264	507	515	278	273	284	324	
19-23	19.1		19.0	WOT	20.8	19.0		21.7	22.5	23.2	19	20.8	23.4	21.7	22.9	23.7	
GPH	5.7		9.1		11.0	10.8		23.0	18.0	40.4	20	21	44.6	47.6	43.6	54.6	
NMPG	3.4		2.1		1.9	1.8		0.9	1.3	0.6	1.00	1.01	0.5	0.5	0.5	0.4	
range	362		282		342	324		325	394	264	507	468	299	246	309	293	
24-27	26.6	25.2	25.0		25.0	25.0	26.3	26.9	27.0		24.0	26.5	WOT	22.7	27.3		
GPH	8.9	16.4	14.1		12.0	18.5	21.8	30.0	22.0		24	28.5		50.2	52.5		
NMPG	3.0	1.5	1.8		2.1	1.4	1.2	0.9	1.2		1.00	0.93		0.5	0.5		
range	323	325	239		378	252	173	310	387		468	421		244	306		
28-30 kts	30.1	30.9	29.2		29.0	29.0	31.2	30.0	30.5	31.3	28.0	29.3		WOT	30.7	29.1	
GPH	11.0	22.0	20.1		15.0	23.0	25.4	35.0	25.0	58.0	35.0	32.0			60.4	72.2	
NMPG	2.7	1.4	1.5		1.9	1.3	1.2	0.9	1.2	0.5	0.80	0.92			0.5	0.4	
range	296	297	203		342	234	176	296	384	243	374	421			299	272	
31-34 kts	33.4	34.3	30.4		31.5	31.0	32.8	32.2	32.5	WOT	33.8	32.3			34.0	34.4	
GPH	14.0	27.4	21.3		18.0	29.0	28.2	42.0	28.6		44.0	40.0			71.6	96.2	
NMPG	2.4	1.3	1.4		1.8	1.1	0.9	0.8	1.1		0.77	0.81			0.5	0.4	
range	259	265	188		324	198	167	265	358		360	374			280	241	
35 Plus kts.	WOT	39	WOT		34.5	35.0	WOT	WOT	38.0		WOT	35.0			WOT	35.9	
GPH		35.5			22.0	29.0			35.0			50.0				101	
NMPG		1.1			1.6	1.2			1.1			0.70				0.4	
range		232			288	216			342			328				240	
40+		WOT 46.0			WOT	WOT			WOT			WOT 40.3				WOT	
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