Sadler/Starlight Data

During my time with Sadler International and then Starlight yachts and over the last eight years of Mike Lucas Yachting, I have collected much data that could be helpful to owners. This article is now made up of extracts from our Discussion Forum and various items from the website Stop Press and our own technical files. Please treat these figures with caution and use only as a guide. When ordering from rigger or sailmaker, careful checks should be made for your particular boat so as to identify any variations.

This table is available below or if you prefer, to download in Excel spreadsheet format. (<u>Download Now</u>) right click and chose "Save target as"

YACHT DIMENSIONS		26	29	32	34	35	39
LOA	ft	25' 9"	28' 5"	31' 6"	34' 9"	36' 1"	40' 5"
LWL	ft	20' 6"	22' 10"	24' 0"	27' 10"	28' 8"	31' 4"
Beam	ft	9' 5"	9' 6"	10' 6"	10' 9"	11' 6"	12' 6"
Draft	fin	4' 8"	5.0"	5' 6"	5' 8"	5' 11"	6' 9"
Draft	(+ 2" for 34 SJ) Sh fin (+ 2" for SJ)	3 '10"	4' 0"	4' 6"	4' 6"	~	~
Draft	Bilge/wing	3' 6"	3' 8"	4' 0"	4' 0"	4' 11"	5' 3"
Draft	c/plate	2' 3"	~	3' 3"	3' 6"	~	~
	•	4' 6"	~	6' 6"	7' 6"	~	~
DISPLACEMENT	(lbs)	4,800	8,200	9,500	12,760	13,514	17,500
Displacement	(kgs)	2,177	3,720	4,320	5,800	6,143	7,937
BALLAST (lbs) -	fin/wing	1,750	3,400	4,100	4,994	5,623	7,300
Ballast	(kgs)	795	1,540	1,860	2,270	2,556	3,310
FUEL	(gal/litres)	10/45	15/68	17/77	25/120	30/136	40/182
WATER BOTTOM AREA	(gal/litres) (sq m)	10/45 20	15/68 25	40/182 27	45/205 31	50/227 32	58/263 40
TRANSPORT DATA	(sq III)	20	25	21	31	32	40
Mast length	(m)	9.07	10.44	11.63	12.50	13.22	16.72
(add 0.4 to 0.7m for Furlex)	(iii)	3.07	10.44	11.00	12.50	10.22	10.72
WL to mast step (m)	1	1.40	1.60	1.50	1.60	1.60	1.65
Loaded height	(m) - fin keel	3.10	3.40	3.50	3.70	3.70	4.10
(inc. mast 0.3m)	•						
AIR HEIGHT	(m) Afloat, bridge	11.50	13.00	14.10	15.10	15.80	17.40
	clearance						
	(inc. 1m for VHF aerial)						
BILGE KEEL	Width - outside measurement	5.0	6.0	_	_	_	_
	(ft)						
SAIL/RIG DATA		26	29	32	34	35	39
SAIL/RIG DATA AREAS (sq ft):	Main	132	180	215	234	304	381
	Main No. 1 (150 J)	132 232	180 326	215 385		304	
AREAS (sq ft):		132	180	215	234	304	381
AREAS (sq ft):	No. 1 (150 J)	132 232	180 326	215 385	234 426	304 (135 J) 400	381 (135 J) 500
AREAS (sq ft):	No. 1 (150 J) Spi	132 232 525	180 326 737	215 385 750	234 426 895	304 (135 J) 400 950	381 (135 J) 500 1323
AREAS (sq ft):	No. 1 (150 J) Spi I	132 232 525 9.45 3.02	180 326 737 11.43 3.58	215 385 750 12.11 3.58	234 426 895 13.05 3.96	304 (135 J) 400 950 13.72 4.04	381 (135 J) 500 1323 15.24 4.48
AREAS (sq ft):	No. 1 (150 J) Spi I J	132 232 525 9.45 3.02 8.02	180 326 737 11.43 3.58 9.75	215 385 750 12.11 3.58 10.51	234 426 895 13.05 3.96 11.27	304 (135 J) 400 950 13.72 4.04 11.81	381 (135 J) 500 1323 15.24 4.48 13.18
AREAS (sq ft): RIG DIMENSIONS (m)	No. 1 (150 J) Spi I J	132 232 525 9.45 3.02	180 326 737 11.43 3.58	215 385 750 12.11 3.58	234 426 895 13.05 3.96	304 (135 J) 400 950 13.72 4.04	381 (135 J) 500 1323 15.24 4.48
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE	No. 1 (150 J) Spi I J	132 232 525 9.45 3.02 8.02 2.59	180 326 737 11.43 3.58 9.75 2.89	215 385 750 12.11 3.58 10.51 3.20	234 426 895 13.05 3.96 11.27 3.60	304 (135 J) 400 950 13.72 4.04 11.81 4.34	381 (135 J) 500 1323 15.24 4.48 13.18 4.88
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins)	No. 1 (150 J) Spi I J	132 232 525 9.45 3.02 8.02 2.59	180 326 737 11.43 3.58 9.75 2.89	215 385 750 12.11 3.58 10.51 3.20	234 426 895 13.05 3.96 11.27 3.60	304 (135 J) 400 950 13.72 4.04 11.81 4.34	381 (135 J) 500 1323 15.24 4.48 13.18 4.88
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees)	No. 1 (150 J) Spi I J	132 232 525 9.45 3.02 8.02 2.59	180 326 737 11.43 3.58 9.75 2.89	215 385 750 12.11 3.58 10.51 3.20	234 426 895 13.05 3.96 11.27 3.60	304 (135 J) 400 950 13.72 4.04 11.81 4.34	381 (135 J) 500 1323 15.24 4.48 13.18 4.88
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees) SAIL	No. 1 (150 J) Spi I J	132 232 525 9.45 3.02 8.02 2.59	180 326 737 11.43 3.58 9.75 2.89	215 385 750 12.11 3.58 10.51 3.20	234 426 895 13.05 3.96 11.27 3.60	304 (135 J) 400 950 13.72 4.04 11.81 4.34	381 (135 J) 500 1323 15.24 4.48 13.18 4.88
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees) SAIL MEASUREMENTS	No. 1 (150 J) Spi I J	132 232 525 9.45 3.02 8.02 2.59	180 326 737 11.43 3.58 9.75 2.89	215 385 750 12.11 3.58 10.51 3.20	234 426 895 13.05 3.96 11.27 3.60	304 (135 J) 400 950 13.72 4.04 11.81 4.34	381 (135 J) 500 1323 15.24 4.48 13.18 4.88
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees) SAIL MEASUREMENTS (m)	No. 1 (150 J) Spi I J P E	132 232 525 9.45 3.02 8.02 2.59 16/6	180 326 737 11.43 3.58 9.75 2.89 19/7	215 385 750 12.11 3.58 10.51 3.20 20/8	234 426 895 13.05 3.96 11.27 3.60 22/9	304 (135 J) 400 950 13.72 4.04 11.81 4.34 46/18 2º	381 (135 J) 500 1323 15.24 4.48 13.18 4.88 50/20 2°
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees) SAIL MEASUREMENTS	No. 1 (150 J) Spi I J P E	132 232 525 9.45 3.02 8.02 2.59 16/6 1°	180 326 737 11.43 3.58 9.75 2.89 19/7 1°	215 385 750 12.11 3.58 10.51 3.20 20/8 1º	234 426 895 13.05 3.96 11.27 3.60 22/9 1°	304 (135 J) 400 950 13.72 4.04 11.81 4.34 46/18 2°	381 (135 J) 500 1323 15.24 4.48 13.18 4.88 50/20 2°
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees) SAIL MEASUREMENTS (m)	No. 1 (150 J) Spi I J P E	132 232 525 9.45 3.02 8.02 2.59 16/6 1º 9.0 4.7	180 326 737 11.43 3.58 9.75 2.89 19/7 1°	215 385 750 12.11 3.58 10.51 3.20 20/8 1°	234 426 895 13.05 3.96 11.27 3.60 22/9 1°	304 (135 J) 400 950 13.72 4.04 11.81 4.34 46/18 2° 13.1 5.6	381 (135 J) 500 1323 15.24 4.48 13.18 4.88 50/20 2° 14.9 6.3
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees) SAIL MEASUREMENTS (m) No 1 (furling)	No. 1 (150 J) Spi I J P E Luff LP US oz	132 232 525 9.45 3.02 8.02 2.59 16/6 1° 9.0 4.7 4.5	180 326 737 11.43 3.58 9.75 2.89 19/7 1° 10.7 5.3 5.0	215 385 750 12.11 3.58 10.51 3.20 20/8 1°	234 426 895 13.05 3.96 11.27 3.60 22/9 1°	304 (135 J) 400 950 13.72 4.04 11.81 4.34 46/18 2° 13.1 5.6 7.0	381 (135 J) 500 1323 15.24 4.48 13.18 4.88 50/20 2° 14.9 6.3 7.5
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees) SAIL MEASUREMENTS (m)	No. 1 (150 J) Spi I J P E Luff LP US oz Luff	132 232 525 9.45 3.02 8.02 2.59 16/6 1° 9.0 4.7 4.5 8.9	180 326 737 11.43 3.58 9.75 2.89 19/7 1° 10.7 5.3 5.0 10.5	215 385 750 12.11 3.58 10.51 3.20 20/8 1° 11.6 5.8 5.5 11.4	234 426 895 13.05 3.96 11.27 3.60 22/9 1° 12.5 6.2 5.5 12.3	304 (135 J) 400 950 13.72 4.04 11.81 4.34 46/18 2° 13.1 5.6 7.0 13.0	381 (135 J) 500 1323 15.24 4.48 13.18 4.88 50/20 2° 14.9 6.3 7.5 14.6
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees) SAIL MEASUREMENTS (m) No 1 (furling)	No. 1 (150 J) Spi I J P E Luff LP US oz Luff LP	132 232 525 9.45 3.02 8.02 2.59 16/6 1° 9.0 4.7 4.5 8.9 2.9	180 326 737 11.43 3.58 9.75 2.89 19/7 1° 10.7 5.3 5.0 10.5 4.7	215 385 750 12.11 3.58 10.51 3.20 20/8 1° 11.6 5.8 5.5 11.4 3.2	234 426 895 13.05 3.96 11.27 3.60 22/9 1° 12.5 6.2 5.5 12.3 3.2	304 (135 J) 400 950 13.72 4.04 11.81 4.34 46/18 2° 13.1 5.6 7.0 13.0 4.1	381 (135 J) 500 1323 15.24 4.48 13.18 4.88 50/20 2° 14.9 6.3 7.5 14.6 4.6
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees) SAIL MEASUREMENTS (m) No 1 (furling) No 3	No. 1 (150 J) Spi I J P E Luff LP US oz Luff LP US oz	132 232 525 9.45 3.02 8.02 2.59 16/6 1° 9.0 4.7 4.5 8.9 2.9 6.5	180 326 737 11.43 3.58 9.75 2.89 19/7 1° 10.7 5.3 5.0 10.5 4.7 6.5	215 385 750 12.11 3.58 10.51 3.20 20/8 1° 11.6 5.8 5.5 11.4 3.2 7.5	234 426 895 13.05 3.96 11.27 3.60 22/9 1° 12.5 6.2 5.5 12.3 3.2 8.0	304 (135 J) 400 950 13.72 4.04 11.81 4.34 46/18 2° 13.1 5.6 7.0 13.0 4.1 8.0	381 (135 J) 500 1323 15.24 4.48 13.18 4.88 50/20 2° 14.9 6.3 7.5 14.6 4.6 8.5
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees) SAIL MEASUREMENTS (m) No 1 (furling)	No. 1 (150 J) Spi I J P E Luff LP US oz Luff LP US oz Luff	132 232 525 9.45 3.02 8.02 2.59 16/6 1° 9.0 4.7 4.5 8.9 2.9 6.5 7.9	180 326 737 11.43 3.58 9.75 2.89 19/7 1° 10.7 5.3 5.0 10.5 4.7 6.5 9.6	215 385 750 12.11 3.58 10.51 3.20 20/8 1° 11.6 5.8 5.5 11.4 3.2 7.5 10.4	234 426 895 13.05 3.96 11.27 3.60 22/9 1° 12.5 6.2 5.5 12.3 3.2 8.0 11.1	304 (135 J) 400 950 13.72 4.04 11.81 4.34 46/18 2° 13.1 5.6 7.0 13.0 4.1 8.0 11.8	381 (135 J) 500 1323 15.24 4.48 13.18 4.88 50/20 2° 14.9 6.3 7.5 14.6 4.6 8.5 13.1
AREAS (sq ft): RIG DIMENSIONS (m) MAST RAKE (cm/ins) (degrees) SAIL MEASUREMENTS (m) No 1 (furling) No 3	No. 1 (150 J) Spi I J P E Luff LP US oz Luff LP US oz	132 232 525 9.45 3.02 8.02 2.59 16/6 1° 9.0 4.7 4.5 8.9 2.9 6.5	180 326 737 11.43 3.58 9.75 2.89 19/7 1° 10.7 5.3 5.0 10.5 4.7 6.5	215 385 750 12.11 3.58 10.51 3.20 20/8 1° 11.6 5.8 5.5 11.4 3.2 7.5	234 426 895 13.05 3.96 11.27 3.60 22/9 1° 12.5 6.2 5.5 12.3 3.2 8.0	304 (135 J) 400 950 13.72 4.04 11.81 4.34 46/18 2° 13.1 5.6 7.0 13.0 4.1 8.0	381 (135 J) 500 1323 15.24 4.48 13.18 4.88 50/20 2° 14.9 6.3 7.5 14.6 4.6 8.5

Furlex type	Α	B MK II	B MK II	B MK II	С	С
	100S	200S	200S	200S	300S	300S
Wire size (mm)	6	7	7	7	8	10
			baby 8	lowers 8	intermed 7	intermed 8

Note: older 32s ('79-'81) had 5mm babystay. A few 34s have 8mm rig throughout. No 1 for Starlights was 140 J.