NARROW AISLE

Manufacturer of the Flexi forklift

Technical Data Sheet - Imperial

1. Manufacturer	Narrow Aisle Ltd	Narrow Aisle Ltd	Narrow Aisle Ltd
2. Model	Flexi 15VN	Flexi 17N	Flexi 20S
3. Capacity (Mast Vertical) lb	3000	3500	4400
4. Load Centre in	24	24	24
5. Motive Power V	48	48	48
6. Operator Position	Forward Facing	Forward Facing	Forward Facing
7. Tyres	Solid rubber	Solid rubber	Solid rubber
8. Lift Height (standard) h3 (in)	165	219	300
9. Free Lift (standard) h2 (in)	55	76	109
10. Full Free Lift (triplex)	Standard	Standard	Standard
11. Articulation °	230	220	210
12. Fork Thickness in	1.5	1.5	1.5
13. Fork Width in	4	4	4
14. Fork Length L (in)	37 / 45	37 / 45	37 / 45
15. Fork Spacing Minimum/Maximum B3 (in)	10 / 32	10 / 32	10 / 32
16. Mast Tilt Angle (Forward/Backward) °	0.75 / 2.25	1.5 / 3.5	1.5 / 3.5
17. Overall Length L1 (in)	106	104	104
18. Chassis Width B (in)	40	40	48
19. Height of Mast - Lowered h1 (in)	93	108	141
20. Height of Mast - Raised h4 (in)	201	251	332
21. Seat Height h7 (in)	48	48	48
22. Height over Overhead Guard h6 (in)	89	89	89
23. Aisle width for pallets 1000 x 1200 crossways in	63	71	75
24. Aisle width for pallets 800 x 1200 along forks in	71	78	83
25. Travel Speed mph	7 / 7.4	7 / 7.4	7 / 7.4
26. Lift Speed laden/unladen in/s	13.38 / 17.32	13.38 / 18.11	13.38 / 18.11

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27. Lowering Speed laden/unladen in/s	15.75 / 14.17	15.75 / 14.17	15.75 / 14.17
28. Gradeability laden/unladen %	12 / 16	12 / 16	12 / 16
29. Weight of Truck lb	12500	13200	14750
30. Wheel Load - Laden lb	7480	7480	8360
31. Wheel Load - Unladen lb	5000	4620	5170
32. Number of wheels front/rear x = driven	2x / 2	2x / 2	2 x / 2
33. Front Tyre Size in	Ø 16.25 x 5	Ø 16.25 x 6	Ø 16.25 x 7
34. Rear Tyre Size in	Ø 18 x 6	Ø 18 x 6	Ø 18 x 6
35. Wheelbase y (in)	77	67	67
36. Track Width - front/rear B1/B (in)	33 / 41	38 / 41	44 / 48
37. Ground Clearance under mast in	3.15	3.15	3.15
38. Ground Clearance under wheelbase centre in	4.75	4.75	4.75
39. Service Foot Brake (Rear/Front)	Hydraulic/Regen	Hydraulic/Regen	Hydraulic/Regen
40. Parking Hand Brake (Rear)	Hydraulic	Hydraulic	Hydraulic
41. Traction Motor kW	19.6	19.6	19.6
42. Hydraulic Motor kW	11.0	11.0	11.0
43. Power Steering Motor kW	1.8	1.8	1.8
44. Battery Voltage V	48	48	48
45. Battery Capacity Ah	620	620	775
46. Battery Weight (minimum) lb	2090	2265	2500
47. Handbrake %	13 / 20	13 / 20	13 / 20
48. Service Brake %	15 / 22	15 / 22	15 / 22

*Flexi Narrow Aisle Ltd reserves the right to change specifications without prior notice.

Your space, our expertise.

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Technical Data Sheet - Imperial

1. Manufacturer	Narrow Aisle Ltd	Narrow Aisle Ltd	Narrow Aisle Ltd
2. Model	Flexi 22S+	Flexi 25W	Flexi 25WHL
3. Capacity (Mast Vertical) lb	5000	5500	5500
4. Load Centre in	24	24	24
5. Motive Power V	48	48	48
6. Operator Position	Forward facing	Forward facing	Forward facing
7. Tyres	Solid rubber	Solid rubber	Solid rubber
8. Lift Height (standard) h3 (in)	374	433	567
9. Free Lift (standard) h2 (in)	143	164	214
10. Full Free Lift (triplex)	Standard	Standard	Standard
11. Articulation °	200	190	190
12. Fork Thickness in	1.5	1.5	1.5
13. Fork Width in	4	4	4
14. Fork Length L (in)	37 / 45	37 / 45	37 / 45
15. Fork Spacing Minimum/Maximum B3 (in)	10 / 32	10 / 32	10 / 32
16. Mast Tilt Angle (Forward/Backward) °	1.5 / 3.5	1.5 / 3.5	1.5 / 3.5
17. Overall Length L1 (in)	104	104	104
18. Chassis Width B (in)	48	51	57
19. Height of Mast - Lowered h1 (in)	177	197	247
20. Height of Mast - Raised h4 (in)	407	467	603
21. Seat Height h7 (in)	48	48	48
22. Height over Overhead Guard h6 (in)	89	89	89
23. Aisle width for pallets 1000 x 1200 crossways in	79	83	87
24. Aisle width for pallets 800 x 1200 along forks in	85	91	95
25. Travel Speed laden / unladen mph	11.4 / 12	11.4 / 12	11.4 / 12
26. Lift Speed laden/unladen in/s	13.38 / 18.11	13.38 / 18.11	13.38 / 18.11

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Technical Data Sheet - Imperial

27. Lowering Speed laden/unladen in/s	15.75 / 14.17	15.75 / 14.17	15.75 / 14.17
28. Gradeability laden/unladen %	12 / 16	12 / 16	12 / 16
29. Weight of Truck lb	15400	17150	18700
30. Wheel Load - Laden lb	8360	8140	8580
31. Wheel Load - Unladen lb	5170	5720	6050
32. Number of wheels front/rear x = driven	2x / 2	2x / 2	2x / 2
33. Front Tyre Size in	Ø 16.25 x 7	Ø 16.25 x 7	Ø 16.25 x 7
34. Rear Tyre Size in	Ø 18 x 7	Ø 18 x 7	Ø 18 x 8
35. Wheelbase y (in)	67	67	67
36. Track Width - front/rear B1/B (in)	44 / 49	44 / 53	44 / 59
37. Ground Clearance under mast in	3.15	3.15	3.15
38. Ground Clearance under wheelbase centre in	4.75	4.75	4.75
39. Service Foot Brake (Rear/Front)	Hydraulic/Regen	Hydraulic/Regen	Hydraulic/Regen
40. Parking Hand Brake (Rear)	Hydraulic	Hydraulic	Hydraulic
41. Traction Motor kW	19.6	19.6	19.6
42. Hydraulic Motor kW	11.0	11.0	11.0
43. Power Steering Motor kW	1.8	1.8	1.8
44. Battery Voltage V	48	48	48
45. Battery Capacity Ah	775	930	930
46. Battery Weight (minimum) lb	2720	2915	2930
47. Handbrake %	13 / 20	13 / 20	13 / 20
48. Service Brake %	15 / 22	15 / 22	15 / 22

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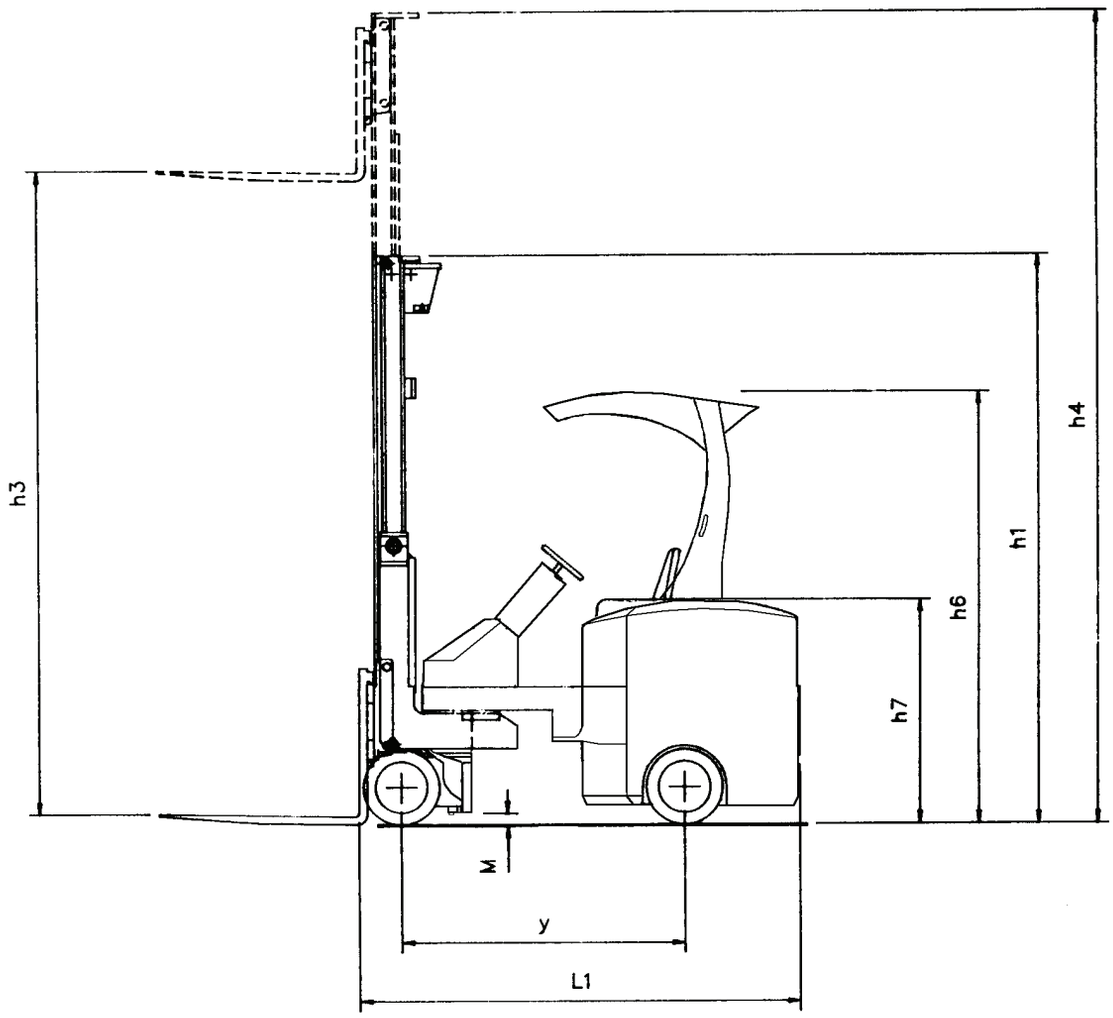
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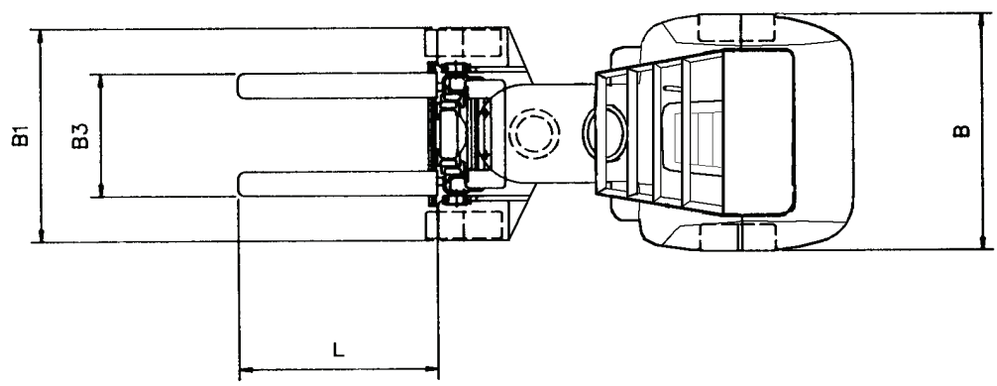
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Triplex Mast Table

h3	h1	h2	h4	17N	20S	22S+	25W	25WHL
154	88	54	188	x	x	x	x	x
165	91	58	199	x	x	x	x	x
173	94	61	207	x	x	x	x	x
178	95	62	212	x	x	x	x	x
181	97	63	215	x	x	x	x	x
188	99	66	222	x	x	x	x	x
194	101	68	228	x	x	x	x	x
197	102	68	230	x	x	x	x	x
205	104	71	239	x	x	x	x	x
212	107	74	246	x	x	x	x	x
218	109	75	252	x	x	x	x	x
220	110	76	254	x	x	x	x	x
229	112	79	262	x	x	x	x	x
236	115	81	269	x	x	x	x	x
244	117	84	278	x	x	x	x	x
252	120	87	286	x	x	x	x	x
259	125	91	293	x	x	x	x	x
268	127	94	301	x	x	x	x	x
276	130	97	310	x	x	x	x	x
283	134	101	317	x	x	x	x	x
291	137	104	325	x	x	x	x	x
300	142	109	333	x	x	x	x	x
307	144	111	340	x	x	x	x	x
315	147	114	349	x	x	x	x	x
323	152	118	357	x	x	x	x	x
330	154	121	364		x	x	x	x
338	159	125	372		x	x	x	x
347	162	128	380		x	x	x	x
354	164	131	388		x	x	x	x
362	169	135	396		x	x	x	x
370	171	138	404		x	x	x	x
374	178	144	407		x	x	x	x
394	181	148	428			x	x	x
401	185	152	435			x	x	x
415	190	157	449			x	x	x
433	196	163	467				x	x
457	204	171	490				x	x
472	211	177	506				x	x
492	217	184	526				x	x
500	220	187	534				x	x
522	229	196	558					x
555	243	209	591					x
566	247	214	603					x

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15VN Triplex Mast Table

h3	h1	h2	h4	15VN
154	90	51	191	x
165	93	55	201	x
173	96	57	210	x
178	98	59	214	x
181	99	60	218	x
188	101	62	225	x
194	103	64	231	x
197	104	65	233	x
205	107	68	241	x
212	109	70	249	x
218	111	72	254	x
220	112	73	257	x
229	115	76	265	x
236	117	78	272	x
244	120	81	280	x
252	123	84	289	x
259	127	88	296	x
268	130	91	304	x
276	132	94	312	x
283	137	98	319	x
291	139	101	328	x
300	144	105	336	x

Quad Mast Table

h3	h1	h2	h4	17N	20S
212	89	57	245	x	x
215	90	58	248	x	x
220	91	59	253	x	x
228	93	61	261	x	x
236	95	63	269	x	x
244	99	66	276	x	x
251	100	68	284	x	x
256	102	70	289	x	x
259	102	70	292	x	x
267	106	74	300	x	x
275	109	77	308	x	x
283	111	79	316	x	x
291	113	81	324	x	x
296	114	82	328	x	x
299	115	83	332	x	x
307	118	86	339	x	x
314	120	88	347	x	x