



Technical Data

No	Feature	Ref.	Description	Units	Value
1	Manufacturer		Narrow Aisle, Inc.		
2	Model		Flexi AC VNA 1000		
3	Capacity (Mast Vertical)			lbs	2,900 lbs @ 24" LC @ 130" MLH
4	Load Center			in	24
5	Motive Power		Electric	v	48
6	Operator Position		Seated		Forward Facing
7	Tires		Cushion Rubber		4
8	Lift Height (standard)	h3		in	197
9	Full Free Lift (triplex)			in	68
10	Derate Capacity			lbs	2640
11	Articulation			degrees	230
12	Fork Thickness			in	1.5
13	Fork Width			in	4
14	Fork Length	L		in	39
15	Fork Spacing (minimum)	B3		in	8.5
16	Fork Spacing (maximum)	B3		in	34
17	Mast Tilt Angle (forward/backward)			deg	1.5/3.5
18	Overall Length	L1	To face of fork	in	106
19	Truck Width	B		in	39
20	Height of Mast - Lowered	h1			89
21	Height of Mast - Raised	h4		in	198
22	Seat Height	h7		in	47
23	Overhead Guard Height	h6		in	89
24	Stacking Aisle Width		42" X 48" standard pallet	in	72
25	Travel Speed		Laden/Unladen	mph	7/8
26	Lift Speed		Laden/Unladen	in/sec	16/19
27	Lowering Speed		Laden/Unladen	m/s	16/14
28	Drawbar Pull		Maximum	N	
29	Gradeability		Laden	%	12
30	Gradeability		Unladen	%	16
31	Weight of Truck		Unladen including battery	lbs	12,550
32	Wheel Load - Laden		Maximum	lbs	7,495
33	Wheel Load - Unladen		Maximum	lbs	5,070
34	Number of wheels		Front/rear - driven		4
35	Front Tire Size		Diameter x Width	in	16 1/4 X 5
36	Rear Tire Size		Diameter x Width	in	18 X 6
37	Wheelbase	y		in	77
38	Track Width - front/rear	B1/B		in	33/42
39	Laden Ground Clearance	m	Under Drive	in	3
40	Laden Ground Clearance	m	At wheelbase center	in	4.5
41	Service Foot Brake (Rear/front)		Hydraulic Drum/ Regen Motor		
42	Parking Hand Brake (Rear)		Mechanical Drum		
43	Traction Motor		48 volt	kw	19.6
44	Hydraulic Motor		48 volt	kw	11
45	Power Steering Motor		48 volt	kw	1.8
46	Battery Type		Lead acid		1
47	Battery Voltage			v	48
48	Battery Capacity			Ah	625
49	Battery Weight (minimum)			lbs	2,100
50	Truck Control System		ZAPI AC Gen. 3		
51	Speed Control		Forward/reverse		Infinitely variable
52	Handbrake		Laden/Unladen	%	13/20
53	Service Brake		Laden/Unladen	%	15/22

* Narrow Aisle, Inc. reserves the right to change specifications without prior notice