

4000 – 6500 lbs • 1815 – 2950 kg • Specifications

Models		8FBCU20	8FBCU25	8FBCU25	8FBCU28	8FBCU30	8FBCU32
Load Capacity (with 24-in. 609 mm load center)	lb kg	4000 1814	5000 2267	5000 2267	5500 2494	6000 2721	6500 2948
Brakes		Hydraulic (Foot)					

EXTERIOR DIMENSIONS

A Maximum Fork Height (MFH)	in. mm	131.5 3340	131.5 3340	131.5 3340	131.5 3340	131.5 3340	131.5 3340
B Mast Lowered Height	in. mm	83.3 2115	83.3 2115	83.3 2115	83.1 2110	83.1 2110	83.1 2110
C Mast Extended Height	in. mm	179.5 4559	179.5 4559	179.5 4559	179.7 4564	179.7 4549	179.7 4564
D Free Lift	in. mm	6.1 154	6.1 154	6.1 154	5.3 134	5.3 134	5.3 134
E Load Distance ¹	in. mm	16.7 419	16.7 419	16.7 419	17.7 449	17.7 449	17.7 449
F Wheelbase	in. mm	51 1295	51 1295	54.7 1389	51 1295	54.7 1389	54.7 1389
G Fork Size (TxWxL)	in. mm	1.6x5x42		40.6x127x1067	1.8x5x42		45.7x127x1067
H Length to Fork Face	in. mm	81.5 2070	84.3 2141	85.4 2169	87.6 2225	89.6 2276	91.3 2319
I Overhead Guard Height	in. mm	88 2235	88 2235	88 2235	88 2235	88 2235	88 2235
J Tilt Range (forward/backward)	deg	6/8		6/8	6/8		6/8
K Outside Turning Radius	in. mm	70.5 1791	70/9 1801	76.4 1940	72.6 1844	77.2 1961	78.7 1999
L Basic Right Angle Stacking Aisle Width ²	in. mm	87.2 2210	87.6 2220	93.1 2360	90.3 2294	94.9 2410	96.4 2448
M Overall Width	in. mm	41.9 1064	41.9 1064	41.9 1064	43.7 1110	43.7 1110	43.7 1110
N Carriage Width	in. mm	36.2 919	36.2 919	36.2 919	38.2 970	38.2 970	38.2 970
O Tread Width	Front	in. mm	35 889	35 889	35 889	35.8 909	35.8 909
	Rear	in. mm	36 914	36 914	36 914	36 914	36 914

DIMENSIONS OF BATTERY COMPARTMENT

Width	in. mm	39.1 993	39.1 993	39.1 993	39.1 993	39.1 993	39.1 993			
Length	in. mm	30.5 775	30.5 775	34.3 871	30.5 871	34.3 871	34.3 871			
Height	without Slides / with Slides	in. mm 23.8/23 604/584								
Power Type		Battery								
Battery	Voltage/Capacity (6-hour ratings)	STD	36V/48V	AH	1020/765	1020/765	1100/850	1020/765	1190/850	1190/850
		High	36V/48V	AH	1320/990	1320/1100	1320/1100	1320/990	1540/1100	1540/1100
	Min. weight		lbs. kg	2400 1089	2400 1089	3000 1361	2400 1089	3000 1361	3000 1361	
	Max. weight		lbs. kg	3154 1431	3154 1431	3555 1612	3154 1431	3555 1612	3555 1612	
Electric Motors	Drive	36V/48V	kW	10.8/14.8	10.8/14.8	10.8/14.8	13.2/18	13.2/18	13.2/18	
	Load Handling (Hyd.)	36V/48V	kW	11.3/15.1	11.3/15.1	11.3/15.1	11.3/15.1	11.3/15.1	11.3/15.1	
Control Type	Drive		Transistor Invertor							
	Load Handling (Hyd.)		Transistor Invertor							

PERFORMANCE DATA

Maximum Travel Speed (H-Mode)	fwd/rvs – full load	36V	mph kph	9.9 15.9	9.6 15.4	9.6 15.4	9.3 15.0	9.0 14.5	9.0 14.5
	fwd/rvs - full load	48V	mph kph	11.5 18.5	11.5 18.5	11.5 18.5	11.5 18.5	11.2 18.0	11.2 18.0
	fwd/rvs - no load	36V	mph kph	11.2 18.0	10.9 17.5	10.9 17.5	10.9 17.5	10.6 17.0	10.6 17.0
	fwd/rvs - no load	48V	mph kph	11.5 18.5	11.5 18.5	11.5 18.5	11.5 18.5	11.5 18.5	11.5 18.5
Lift Speed (V Mast only)	full load	36V/48V	fpm mm/sec	67/89 340/452	59/79 300/401	59/79 300/401	55/73 279/371	51/69 259/351	47/65 239/330
	no load	36V/48V	fpm mm/sec	106/130 538/660	106/130 538/660	106/130 538/660	91/116 462/589	91/116 462/589	91/116 462/589
Lowering Speed (V Mast only)	full load		fpm mm/sec	98 498	98 498	98 498	98 498	98 498	98 498
	no load		fpm mm/sec	98 498	98 498	98 498	98 498	98 498	98 498
Maximum Drawbar Pull	full load ³		lbs kg	3320 1506	3290 1492	3290 1492	3170 1438	3160 1433	3160 1433
	no load ³		lbs kg	2140 971	2010 912	2550 1157	2110 957	2350 1066	2270 1030
Maximum Gradeability	full load ³		%	25	21	21	17	17	17
	no load ³		%	23	19	24	20	20	19

UNDERCLEARANCE

Center of Wheelbase	in. mm	3.9 99.0	3.9 99.0	3.9 99.0	3.9 99.0	3.9 99.0	3.9 99.0
---------------------	--------	----------	----------	----------	----------	----------	----------

TRUCK WEIGHTS

Gross weight without battery	lbs. kg	6260 2839	6960 3157	6310 2862	8060 3656	7700 3493	8130 3688	
Weight Distribution w/ Std. Battery	front-full load	lbs. kg	10800 4899	12410 5629	12530 5683	13740 6232	14650 6645	15420 6994
	rear-full load	lbs. kg	1870 848	1950 884	1780 807	2230 1011	2050 930	2210 1002
	front-no load	lbs. kg	3620 1642	3440 1560	3830 1737	3740 1696	4080 1851	3960 1796
	rear-no load	lbs. kg	5050 2291	5920 2685	5480 2486	6730 3053	6620 3003	7170 3252

ATTACHMENT

Attachment Operating Hydraulic Pressure	psi MPa	2580 17.8	2580 17.8	2580 17.8	2580 17.8	2580 17.8	2580 17.8
---	---------	-----------	-----------	-----------	-----------	-----------	-----------

TIRES

Type (front/rear)		Cushion/Cushion									
Size (ODxWxD)	Drive (in. mm)	21 x 7 x 15			533 x 178 x 381			21 x 8 x 15		533 x 203 x 381	
	Steer (in. mm)	16 x 5 x 10.5			406 x 127 x 267			16 x 6 x 10.5		406 x 152 x 267	

1) Centerline of front axle to front face of forks. 2) Add load length and aisle clearance. 3) 3-minute rating computed values.