

WS30 3000 lb.
WS40 4000 lb.



S E R I E S

Specifications

characteristics

			WS-30		WS-40	
2	Model	Model designation				
3	Load Capacity	Rated Capacity	lbs (kgs)	3000 (1500)	4000 (2000)	
4	Load Center	Distance	in (mm)	24 (600)	24 (600)	
5	Power Type	Electric		12 Volt	24 Volt*	12 Volt
6	Operator Orientation			Walkie Straddle		Walkie Straddle

dimensions

			Rubber / Poly		Rubber / Poly	
7	Tire Type	Drive / load wheels				
8	Wheels	Number (x =driven) front / rear		1x / 4		1x / 4
9	Mast	Standard lift height (top of fork) - MFH	in (mm)	105.5 (2680)		105.5 (2680)
10		Standard freelif	in (mm)	51 (1295)		51 (1295)
11	Forks	Thickness x width x length	in (mm)	1.6 x 4.2 x 42.1 (40 x 106 x 1070)		1.6 x 4.2 x 42.1 (40 x 106 x 1070)
12		Fork spread - min / max (OD)	in (mm)	8.0 / 30 (203 / 762)		8.0 / 30 (203 / 762)
14		Fork lowered height	in (mm)	2 (51)		2 (51)
15		Outrigger height	in (mm)	4 (102)		4 (102)
17		Length - with forks	in (mm)	83.0 (2108)	88.25 (2242)	83.0 (2108)
18		Length - less forks	in (mm)	78.6 (1996)	83.9 (2131)	78.6 (1996)
19	Overall	Width - min / max (outrigger ID)	in (mm)	34 / 50 (864 / 1270)		34 / 50 (864 / 1270)
20	Dimensions	Height - mast lowered (OHL)	in (mm)	72 (1829)		72 (1829)
21		Height - mast extended (with load backrest)	in (mm)	153.5 (3899)		153.5 (3899)
22		Height - standard load back rest (LBR)	in (mm)	48 (1219)		48 (1219)
23	Turning Radius	Minimum outside	in (mm)	68.4 (1737)	73.6 (1870)	68.4 (1737)
24	Right Angle Stacking Aisle*	48" long x 40" wide pallet (add clearance)	in (mm)	74.0 (1880)	79.25 (2013)	74.0 (1880)

performance

			Variable		Variable	
25	Speeds	Forward / reverse				
26		Travel speed - full load / no load	mph (km/h)	2.4/3.1 (3.9/5.0)	2.6/3.2 (4.2/5.2)	2.4/3.1 (3.9/5.0)
27		Lift speed - full load / no load	fpm (mm/sec)	17/28 (86/142)	20/38 (102/193)	14/28 (71/142)
28		Lowering speed - full load / no load	fpm (mm/sec)	50/30 (254/152)	50/30 (254/152)	55/30 (279/152)

weight

29	Truck Weight	With 105.5" mast, less battery	lbs (kgs)	2200 (1000)	2400 (1090)
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chassis

31	Overall Width	Width	in (mm)	34.5 (876)	34.5 (876)
33	Tires / Wheels	Size - Load wheels - tandem	in (mm)	4 x 2.75 (102 x 70)	4 x 2.75 (102 x 70)
35		Size - Drive / steer tire	in (mm)	10 x 5 (254 x 127)	10 x 5 (254 x 127)
36	Wheelbase	Distance between axles on centers	in (mm)	61.0 (1550)	66.25 (1683)
38	Brake system	Type		Drum & Shoe	Drum & Shoe

battery

			Lead Acid		Lead Acid	
40		Type				
41	Battery Compartment Size	L x W (31" Height)	in (mm)	34.5 x 8.25 (876 x 210)	34.5 x 13.5 (876 x 343)	34.5 x 8.25 (876 x 210)
42	Capacity	Capacity @ the 6 hour rate - min / max	Ah	375 / 750		375 / 750
43	Weight	Minimum / Maximum	lbs (kgs)	410 / 725 (187 / 330)	960 / 1500 (436 / 681)	410 / 725 (187 / 330)
44		Lead length ("B" position)	in (mm)	20 (508)		20 (508)
45		Connector	Type	SB-175 Gray	SB-175 Gray	SB-175 Gray

drive line

51	Motors	Drive motor	Type	Deluxe - Series Wound	Deluxe - Series Wound
52	Controls	Speed control	Type	Transistor	Transistor

12 Volt models are standard

* 24 Volt model specifications based on larger 34.5" x 13.5" x 31"H battery compartment size.