

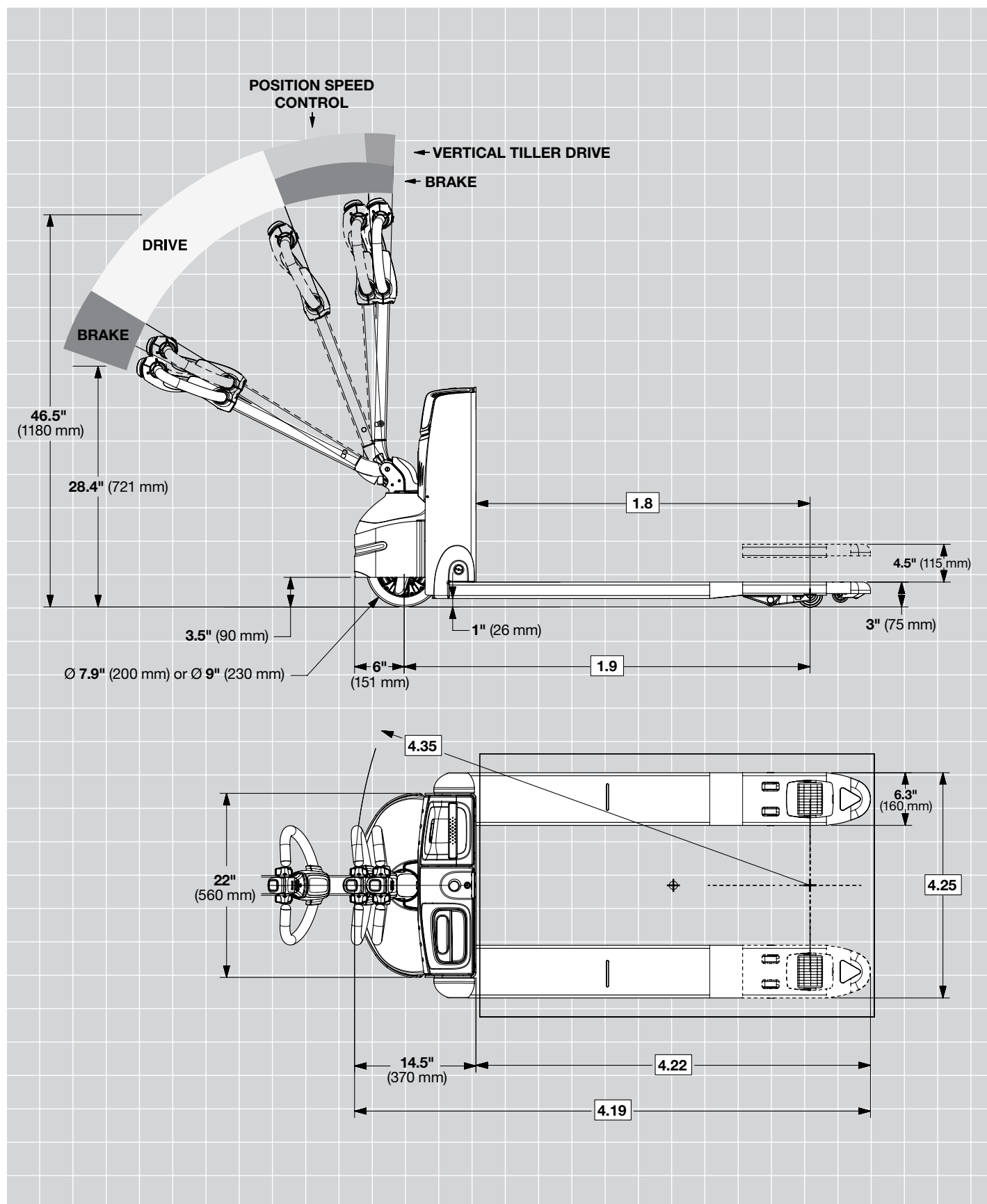


# WJ 50 SERIES

## Specifications

Walkie Pallet Truck





# WJ 50 Series

# Specifications

				Imperial	Metric	Imperial	Metric
General	1.1	Manufacturer		Crown Equipment Corporation			
	1.2	Model		WJ 50-26		WJ 50-33	
	1.3	Power	Electric Volt	48			
	1.4	Operator type	Stand-up	Walkie			
	1.5	Load capacity	lb / t	2600	1.2	3300	1.5
	1.8	Load Distance	raised in / mm	see table 1			
	1.9	Wheel Base	raised in / mm				
Weight	2.1	Weight	less battery lb / kg	see table 1			
	2.2	Axle load	w. load front/rear lb / kg				
	2.3		w.o. load front/rear lb / kg				
Tires	3.1	Tire Type	PU - polyurethane / Rubber	PU		PU / Rubber	
	3.2	Wheel Size	front in / mm	Ø7.9 X 2.9	Ø200 X 73	Ø9.1 X 2.9	Ø230 X 73
	3.3		rear in / mm	Ø2.9 X 3.9	Ø74 X 98	Ø2.9 X 3.9	Ø74 X 98
	3.4	Additional Wheels	caster wheels in / mm	Ø2.8 X 1.6	Ø70 X 40	Ø2.8 X 1.6	Ø70 X 40
	3.5	Wheels	no. (x=driven) + front	1x + 2	1x + 2	1x + 2	1x + 2
Dimensions	4.4	Lift Height	in / mm	4.5	115	4.5	115
	4.19	Overall Length	in / mm	see table 1			
	4.20	Head Length <sup>2 3</sup>	lowered in / mm	14.5	370	14.5	370
	4.21	Overall Width	in / mm	22	560	22	560
	4.22	Fork Dimension	h x w x l in / mm	2.0 x 6.3 x 45	50 x 160 x 1150	2.0 x 6.3 x 45	50 x 160 x 1150
	4.25	Width Across Forks	in / mm	21 / 27	540 / 685	21 / 27	540 / 560 / 685
	4.32	Ground Clearance	center wheelbase in / mm	1.1	27	1.1	27
	4.35	Turning Radius	raised in / mm	see table 1			
Performance	5.1	Travel Speed	w./w.o. load mph / km/h	2.8 / 3.1	4.5 / 5	2.8 / 3.1	4.5 / 5
	5.2	Lift Speed	w./w.o. load fpm (m/s)	3.93 / 5.90 (0.02 / 0.03)			
	5.3	Lowering Speed	w./w.o. load fpm (m/s)	11.81 / 7.87 (0.06 / 0.04)			
	5.8	Max. Gradeability	w./w.o. load 5 min. rating %	5 / 25		8 / 25	
	5.10	Service Brake		electromagnetic			
Electrics	6.1	Traction Motor	rating at S2 60 min. / H-class kW	0.45		0.7	
	6.2	Lift Motor	rating at S3 10 % kW	0.5			
	6.4	Battery Voltage	nominal capacity K5 V/Ah	48 / 9.8 (19.6)		48 / 19.6	
	6.5	Battery Weight (±5%)	lb / kg	12 (16.5)	5.5 (7.5)	16.5	7.5

Table 1

Table 1					Imperial	Metric	Imperial	Metric	Imperial	Metric
	Fork Lengths			in / mm	36	902	45	1150	48	1200
1.8	Load Distance <sup>1</sup>	raised	x	in / mm	26.3	669	36.1	917	38.1	967
1.9	Wheelbase <sup>1</sup>	raised	y	in / mm	34.9	887	44.7	1135	46.7	1185
2.1	WJ50-26 Weight	less battery		lb / kg	326	148	339	154	341	155
2.2	Axle Load <sup>4</sup>	w. load 2600 lb	front	lb / kg	895	407	1115	507	1115	507
			rear	lb / kg	2084	947	1877	853	1879	854
2.2	Axle Load <sup>4</sup>	w.o. load	front	lb / kg	262	119	277	126	279	127
			rear	lb / kg	77	35	75	34	75	34
2.1	WJ50-33 Weight	less battery		lb / kg	328	149	341	155	345	157
2.3	Axle Load <sup>4</sup>	w. load 3300 lb	front	lb / kg	1096	498	1212	551	1212	551
			rear	lb / kg	2550	1159	2447	1112	2451	1114
2.2	Axle Load <sup>4</sup>	w.o. load	front	lb / kg	265	120	284	129	288	131
			rear	lb / kg	81	37	75	34	75	34
4.19	Overall Length <sup>2</sup>	lowered	l1	in / mm	50.1	1272	59.8	1520	61.8	1570
4.22	Fork Length		l	in / mm	36	902	45	1150	48	1200
4.35	Turning Radius <sup>1</sup>	raised	Wa	in / mm	42.2	1071	51.9	1319	53.9	1369

<sup>1</sup> Forks lowered +2 in / 49 mm

<sup>2</sup> Forks raised at middle +.5 in / 12 mm

<sup>3</sup> With optional load backrest +1 in / 32 mm

<sup>4</sup> All weights apply to fork dimension specified with smallest battery and no additional options

Standard ● / Optional ○	WJ 50 2600	WJ 50 3300
<b>Fork Configurations</b>		
36 in (902 mm) Fork Length	○	○
45 in (1150 mm) Fork Length	●	●
48 in (1200 mm) Fork Length	○	○
21 in (540 mm) Fork Spread	○	○
27 in (685 mm) Fork Spread	●	●
Pallet Entry Rollers	●	●
Fork Tip Indicators	●	●
<b>V-Force Li-Ion Batteries</b>		
48 V / 9.8 Ah (12 lb / 5.5 kg)	●	●
48 V / 19.6 Ah (16.5 lb / 7.5 kg)	○	●
1.5" Display on Battery	●	●
<b>V-Force Li-Ion Chargers</b>		
5A Onboard Charger with Cable Storage	●	●
10A Onboard Charger with Cable Storage	○	○
10A External Charging Base	○	○
Integrated Storage Pocket (Instead of Onboard Charger)	○	○
<b>Tires</b>		
Drive Wheel Polyurethane 7.9 x 2.9 in (200 x 73 mm)	●	●
Drive Wheel Polyurethane 9.1 x 2.9 in (230 x 73 mm)		○
Drive Wheel Rubber 9.1 x 2.9 in (230 x 73 mm)		○
Single Load Wheel Polyurethane 2.9 x 3.9 in (74 x 98 mm)	●	●
Spring Loaded Caster Wheels Polyurethane 2.8 x 1.6 in (70 x 40 mm)	○	○
<b>Driving Features</b>		
Position Speed Control	●	●
Vertical Tiller Drive	●	●
Electric Lifting and Lowering	●	●
Electric Travelling / Driving	●	●
Electric Parking Brake	●	●
Ramp Hold	●	●
Safety Reverse Switch	●	●
Horn Button	●	●
Tiller Handle with Soft Sleeves	●	●
Power Disconnect Switch	●	●
High Visibility Label on Skirt	●	●
Residual Runtime Indicator <sup>5</sup>	●	●
<b>Load Backrest</b>		
Load Backrest 50 in x 22 in (1280 x 560 mm) Requires Caster Wheels	○	○
<b>Access Control</b>		
Keypad	●	●
Key Switch	○	○
InfoLink	○	○
<b>Work Assist Accessoires</b>		
<b>Attached on Top of Compartment:</b>		
Scan Gun Holder	○	○
Storage Pocket	○	○
Soft Storage Bag - Mounted on Handle	○	○
<b>Attached to Load Backrest:</b>		
Universal Storage on Top of Load Backrest	○	○
Storage Pocket	○	○
Shrink Wrap Holder	○	○
Small Clipboard	○	○
Scan Gun Holder	○	○
Shrink Wrap Holder + Small Clipboard	○	○

**Battery Charging & Net Runtime**

Battery Type	Charging Time (hours)				Net Runtime <sup>6</sup> (hours)
	5A Charger		10A Charger		1300 lbs @3 mph (600 kg @5km/h)
	Charge from 20% to 80% SoC*	Charge from 0% to 100% SoC*	Charge from 20% to 80% SoC*	Charge from 0% to 100% SoC*	
9.8 Ah	1:00	2:00	N/A	N/A	up to 1:15
19.6 Ah	1:30	3:00	1:00	2:00	up to 2:30

<sup>5</sup> The residual runtime indicator on the battery display shows the remaining runtime and adapts to various duty cycles with a learning algorithm.

<sup>6</sup> The net runtime is measured with a weight of 1300 lbs @ 3.1 mph (600 kg @ 5km/h) travel speed.

\* State of Charge (SoC). All times are estimates.

**Other Options Available**

Contact factory for additional options.

Dimensions and performance data given may vary due to manufacturing tolerances. Performance is based on an average size vehicle and is affected by weight, condition of truck, how it is equipped and the conditions of the on-site operating area. Crown products and specifications are subject to change without notice.



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