

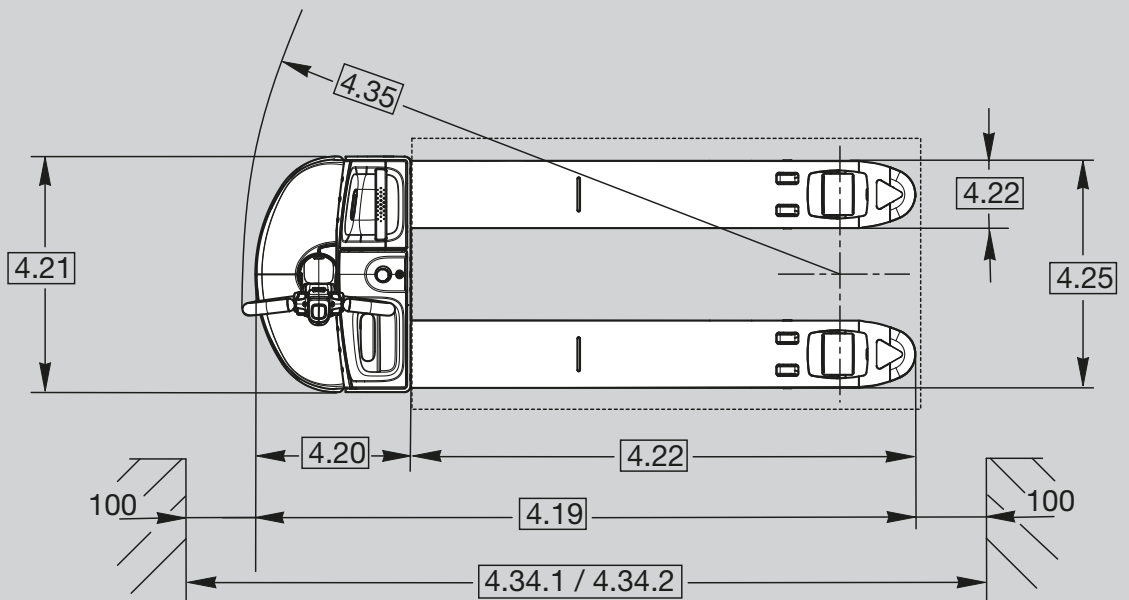
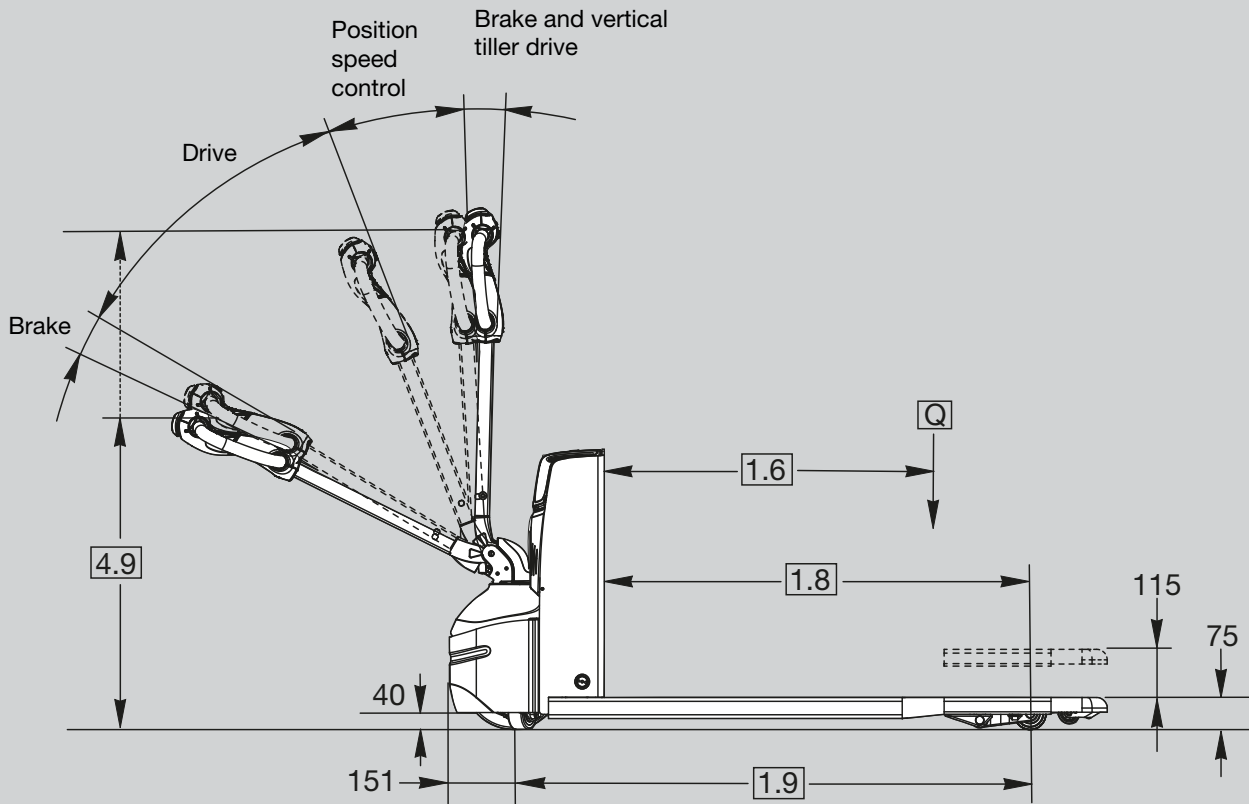
CROWN

WJ 50 SERIES

Specifications

Pallet truck





Distinguishing mark	1.1	Manufacturer	Crown Equipment Corporation					
	1.2	Model				WJ 50-1.2	WJ 50-1.5	
	1.3	Power source	electric					
	1.4	Operator type	pedestrian					
	1.5	Rated capacity		Q	t	1.2	1.5	
	1.6	Load centre		c	mm	see table		
	1.8	Load distance	raised	x	mm	see table		
	1.9	Wheelbase	raised	y	mm	see table		
	Weight	2.1	Service weight	less battery		kg	see table	
2.2		Axle load	with load, front/rear		kg	see table		
2.3			without load, front/rear		kg	see table		
Tyres/wheels/chassis	3.1	Tyres	PU					
	3.2	Tyre size	front		mm	Ø 200 × 73	Ø 230 × 73	
	3.3		rear		mm	Ø 74 × 98	Ø 74 × 75	
	3.4	Additional wheels	castor wheels		mm	Ø 70 × 40		
	3.5	Wheels	number (x=driven) front/rear			1x + 2/2	1x + 2/4	
	3.6	Tread	front	b ₁₀	mm	396		
	3.7		rear	b ₁₁	mm	380/525		
Dimensions	4.4	Lift height		h ₃	mm	115		
	4.9	Height control handle	in driving position min/max.		h ₁₄	mm	721/1,180	
	4.15	Fork height	lowered		h ₁₃	mm	75	
	4.19	Overall length		l ₁	mm	see table		
	4.20	Head length^{2 3}	lowered		l ₂	mm	370	
	4.21	Overall width		b ₁	mm	560		
	4.22	Fork dimension	DIN ISO 2331	s/e/l	mm	50 × 160 × 1,150		
		Fork tip length			mm	304		
	4.25	Fork spread		b ₅	mm	540/685		
	4.32	Ground clearance	centre wheelbase		m ₂	mm	27	
	4.34.1	Aisle width^{* 3}	for pallets 1,000 × 1,200 crossways, raised		A _{st}	mm	2,006	
4.34.2	Aisle width^{** 3}	for pallets 800 × 1,200 lengthways, raised		A _{st}	mm	2,009		
4.35	Turning radius	raised		W _a	mm	see table		
Performance data	5.1	Travel speed	with/without load		km/h	4.5/5.0		
	5.2	Lift speed	with/without load		m/s	0.025/0.030	0.023/0.030	
	5.3	Lowering speed	with/without load		m/s	0.062/0.046	0.059/0.045	
	5.8	Max. gradability	with/without load, 5 min rating		%	5/25	8/25	
	5.10	Service brake	electric					
Electric motor	6.1	Traction motor	rating at S2 60 min/H-class		kW	0.45	0.70	
	6.2	Pump motor	rating at S3 15%		kW	0.50		
	6.3	Battery		l × w × h	mm	214 × 160 × 416		
	6.4	Battery voltage	nominal capacity K ₅		V/Ah	48/9.8	48/19.6	
	6.5	Battery weight			kg	5.5	7.5	
	6.6	Energy consumption according to DIN EN 16796			kWh/h	0.128	0.185	
8.1	Drive unit	transistor						
10.7	Sound pressure level at the operator's ear					dB (A)	< 70	

Table 1					WJ 50			
1.6	Load centre		c	mm	450	500	600	600
1.8	Load distance¹	raised	x	mm	669	757	917	967
1.9	Wheelbase¹	raised	y	mm	887	975	1,135	1,185
2.1	Service weight WJ 50-1.2/WJ 50-1.5	less battery		kg	148/149	150/151	154/155	155/157
2.2	Axle load⁴	with load, 1.2 t	front	kg	407	409	507	507
			rear	kg	947	947	853	854
2.2	Axle load⁴	with load, 1.5 t	front	kg	498	500	551	551
			rear	kg	1,159	1,159	1,112	1,114
2.3	Axle load⁴	without load, 1.2 t/1.5 t	front	kg	119/120	121/122	126/129	127/131
			rear	kg	35/37	35/37	34/34	34/34
4.19	Overall length²	lowered	l ₁	mm	1,272	1,360	1,520	1,570
4.22	Fork dimension		l	mm	902	990	1,150	1,200
4.35	Turning radius¹	raised	W _a	mm	1,071	1,159	1,319	1,369

1 Forks lowered +49 mm
 2 Forks raised at middle +12 mm
 3 With optional load backrest +32 mm

4 All weights apply to standard truck with smallest battery: 1.2 t = 9.8 Ah/1.5 t = 14.7 Ah

* A_{st} calculation based on 990 mm forks
 ** A_{st} calculation based on 1,150 mm forks

Standard ●/Optional ○	WJ 50 1.2	WJ 50 1.5	Standard ●/Optional ○	WJ 50 1.2	WJ 50 1.5
Fork configurations			Driving features		
902 mm fork length	○	○	Position speed control	●	●
990 mm fork length	○	○	Vertical tiller drive	●	●
1,150 mm fork length	●	●	Electric lifting and lowering	●	●
1,200 mm fork length	○	○	Electric travelling / driving	●	●
540 mm fork spread	●	●	Electric parking brake	●	●
685 mm fork spread	○	○	Ramp hold	●	●
Pallet entry rollers	●	●	Safety reverse switch	●	●
Fork tip indicators	●	●	Horn button	●	●
Fork marks at 800 mm	●	●	Tiller handle with soft sleeves	●	●
V-Force li-ion batteries			Power disconnect switch	●	●
48 V/9.8 Ah (5.5 kg)	●	○	High-visibility label on skirt	●	●
48 V/14.7 Ah (6.4 kg)	○	○	Residual runtime indicator ⁵	●	●
48 V/19.6 Ah (7.5 kg)	○	●	Load backrest		
48 V/24.5 Ah (8.3 kg)	○	○	Load backrest 1,280 × 560 mm	○	○
1.5" display on battery	●	●	Access control		
V-Force li-ion chargers			Keypad	●	●
5 A on-board charger with cable storage	●	●	Card reader	○	○
10 A on-board charger with cable storage	○	○	Key switch	○	○
10 A charging base	○	○	InfoLink	○	○
Integrated storage pocket (instead of on-board charger)	○	○	Work Assist accessories		
Tyres			Attached on top of compartment:		
Drive wheel polyurethane 200 × 73 mm	●	○	Scan-gun holder	○	○
Drive wheel polyurethane 230 × 73 mm	○	●	Storage pocket	○	○
Drive wheel rubber 230 × 73 mm	○	○	Soft storage bag — mounted on handle	○	○
Single load wheel polyurethane 74 × 98 mm	●	○	Attached to load backrest:		
Tandem load wheel polyurethane 74 × 75 mm	○	●	Universal storage on top of load backrest	○	○
Spring loaded castor wheels polyurethane 70 × 40 mm	●	●	Storage pocket	○	○
			Wrap holder	○	○
			Small A5 clipboard	○	○
			Scan-gun holder	○	○
			Stretch wrap holder and small A5 clipboard	○	○

⁵ The residual runtime indicator on the battery display shows the remaining runtime and adapts to various duty cycles due to a learning algorithm.

Safety regulations

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