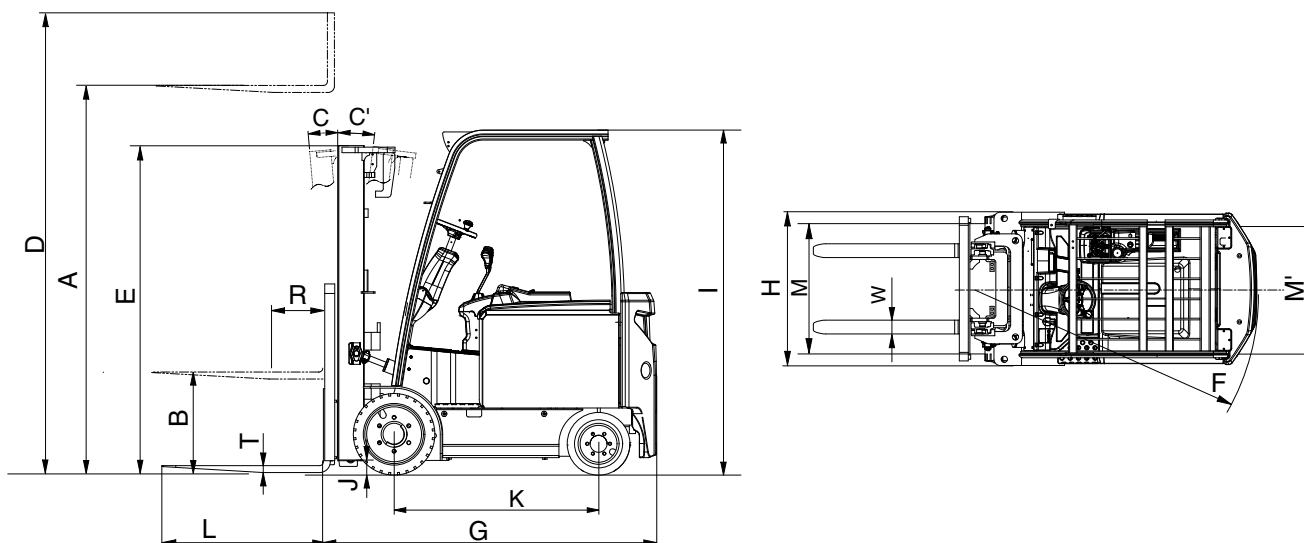


8. SPECIFICATIONS

1. SPECIFICATION



25BC9UOM0801

Model			Unit	25BC-9U	30BC-9U	32BC-9U
Capacity			kg (lb)	2500 (5000)	3000 (6000)	3200 (6500)
Load center		R	mm (in)	500 (24)	←	←
Weight			kg (lb)	4456 (9824)	4953(10913)	5177(11413)
Fork	Lifting height	A	mm (in)	3300(130)	←	←
	Free lift	B	mm (in)	115(4.5)	←	←
	Lifting speed (Loaded/Unloaded)		mm/sec	430/640	360/530	←
			ft/min	84.6/126	70.9/104.3	←
	Lowering speed (Loaded/Unloaded)		mm/sec	500/450	←	←
			ft/min	98.4/88.6	←	←
L×W×T		L,W,T	mm (inch)	1050×100×45 (41.3"×3.9"×1.8")	1050×122×45 (41.3"×4.8"×1.8")	←
Mast	Tilt angle forward/backward	C/C'	degree	6/8	←	←
	Max height	D	mm (in)	4495 (177")	←	←
	Min height	E	mm (in)	2135 (84")	←	2205 (87")
Body	Travel speed (Loaded/Unload)		km/h	15 / 17	←	←
			mph	9.3 / 10.6	←	←
	Max. gradient performance,loaded		%	19.6	17.2	16
	Min turning radius (Outside)	F	mm(in)	1893 (74.52")	1983 (78.07")	2005 (78.93")
ETC	Max hydraulic pressure		kgf/cm ² /psi	210 / 3045	←	←
	Hydraulic oil tank		ℓ (usgal)	38 (10)	←	←
Overall length		G	mm (in)	3215 (127)	3310 (130)	3335 (131)
Overall width		H	mm (in)	1112 (44)	1114 (44)	1114 (44)
Overhead guard height		I	mm (in)	2235 (88)	←	←
Ground clearance (Mast)		J	mm (in)	90 (3.5")	←	←
Wheel base		K	mm (in)	1330 (52)	1400 (55)	←
Wheel tread front		M	mm (in)	896 (35.3)	911(35.9)	←

2. SPECIFICATION FOR MAJOR COMPONENTS

1) CONTROLLER

Item	Unit	Traction	Pump
Model	-	CURTIS 1236E-5621	←
Type	-	AC	←
Dimension	mm	244(L) × 165(W) × 134.7(H)	←
Current limit	A	600	←
Communication	-	CAN	←

2) MOTOR

Item	Unit	Traction	Pump
Type	-	ASRH 4002	AMD L 4001
Rated voltage	Vac	30	30
Output	kW	14	17
Insulation	-	Class F	Class F

3) BATTERY

Item	Unit	25BC-9U	30/32BC-9U
Rated voltage	V	48	←
Compartment dimension (W × L × H)	mm	STD : 997 × 783 × 605 SBR : 997 × 783 × 571	STD : 997 × 883 × 605 SBR : 997 × 883 × 571
Min. Battery weight	kg	(W × L × H)	1360
Max. Battery weight	kg	1400	1600
Connector (CE spec)	-	SB 350 or SR 350	

4) GEAR PUMP

Item	Unit	Specification
Type	-	Fixed displacement gear pump
Capacity	cc/rev	27.2
Maximum operating pressure	bar	230
Rated speed (max/min)	rpm	3000/500

5) MAIN CONTROL VALVE

Item	Unit	Specification
Type	-	3 spool, 4 spool
Operating method	-	Mechanical
Main relief valve pressure	kgf/cm ²	210
2nd relief valve pressure	kgf/cm ²	130

6) DRIVE AXLE UNIT

Item	Unit	Specification
Max Axle Load	kgf	9,000
Max input rpm	rpm	4,000
Gear ratio	—	20.5
Weight without fluid	kg/lb	200 / 40.9
Oil quantity	ℓ /U.S · qt	7 / 1.8

7) WHEELS

Item	25BC-9U	30/32BC-9U
Type (front/rear)	SOLID (OPT : NON-MARKING)	
Quantity (front/rear)	2/2	
Front-drive	21×7-15	21×8-15
Rear-steering	16×6×10.5	

8) BRAKES & STEERING

Item		Specification
Brakes	Travel	Front wheel, Hydraulic, drum brake
	Parking	Mechanical
Steering	Type	Hydraulic steering

3. TIGHTENING TORQUE

NO	Items		Size	kgf · m	lbf · ft
1	Electric system	Hyd pump motor mounting nut	M 8×1.25	3.4±0.7	24.6±5.0
2		Traction motor mounting bolt	M12×1.75	10±1.5	72.3±10.8
3	Hydraulic system	Hydraulic pump mounting bolt	M10×1.5	6.9±1.4	50±10
4		MCV mounting bolt, nut	M10×1.5	6.9±1.4	50±10
5		Steering unit mounting bolt	M10×1.5	6.9±1.4	50±10
7		Brake cylinder mounting bolt	M 8×1.25	8±0.5	57.9±3.6
9	Power train system	Drive axle mounting bolt, nut	M20×2.5	50.5±2.5	365±18.0
10		Steering axle mounting bolt, nut	M20×2.5	58±3.0	419±21.7
11		Front wheel mounting nut	M20×1.5P	47±2.4	340±17.4
12		Rear wheel mounting nut	M16×1.5P	25±1.3	180.8±9.4
13	ETC	Counterweight mounting bolt	M24×3.0	100±15	723±108
14		Seat mounting nut	M 8×1.25	3.4±0.7	24.6±5.0
15		Head guard mounting bolt (front)	M12×1.75	12.8±3	92.5±21.5
16		Head guard mounting bolt (rear)	M16×2.0	29.7±4.5	215±32.5
17		Priority valve mounting bolt	M 6×1.0	1.0 ±0.5	7.2±3.6
18		Tilt cylinder rod-end bolt, nut	M12×1.75	9.5 ±0.5	69±3.6
19		Tilt cylinder pin mounting bolt	M10×1.5	6.9 ±0.5	50±3.6