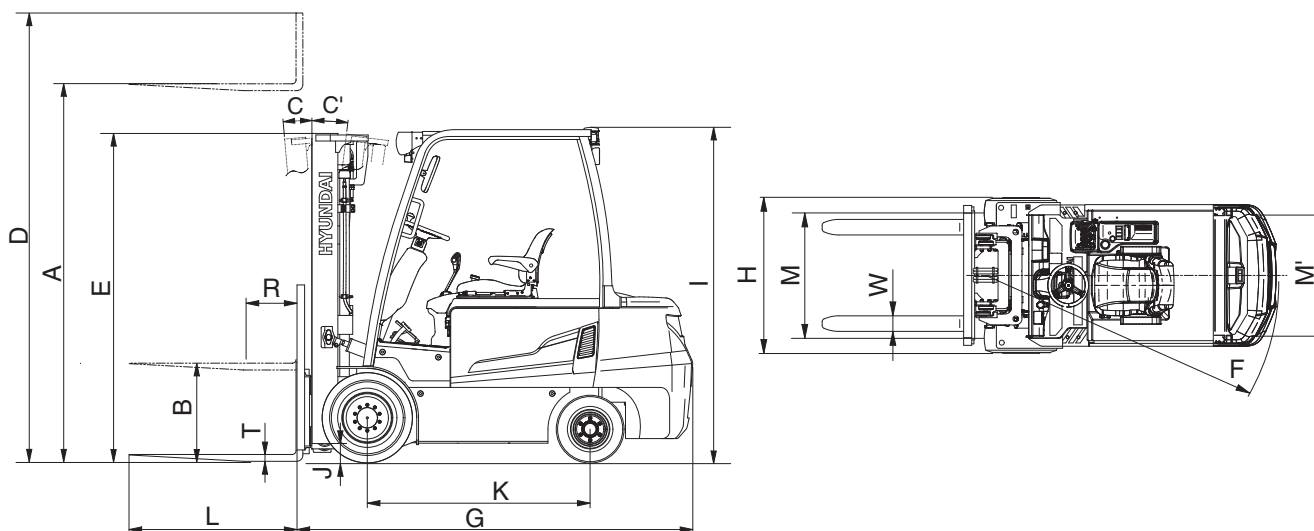


8. SPECIFICATIONS

1. SPECIFICATION



22B9FSP01

Model		Unit	22B-9F	25B-9F	30B-9F
Capacity		kg (lb)	2200 (4500)	2500 (5000)	3000 (6000)
Load center	R	mm (in)	500 (24")	←	←
Weight		kg (lb)	3965 (8741)	4160 (9171)	4604 (10150)
Fork	Lifting height	A	mm (ft-in)	3005 (9' 10")	←
	Free lift	B	mm (in)	115 (4.5")	←
	Lifting speed (Unload/Load)		mm/sec	500/350	400/290
	Lowering speed (Unload/Load)		mm/sec	270/500	←
	L × W × T	L,W,T	mm (inch)	1050 × 100 × 45 (41" × 4" × 1.8")	1050 × 122 × 45 (41" × 4.8" × 1.8")
Mast	Tilt angle forward/backward	C/C'	degree	6/10	←
	Max height	D	mm (ft-in)	4185 (13' 9")	←
	Min height	E	mm (ft-in)	2012 (6' 11")	←
Body	Travel speed (Unload)		km/h	15	←
	Gradeability (Load)		%	19	18
	Min turning radius (Outside)	F	mm (ft-in)	1939 (6' 4")	←
ETC	Max hydraulic pressure		kgf/cm ²	170	190
	Hydraulic oil tank		ℓ (usgal)	24 (6.34)	←
Overall length		G	mm (ft-in)	2295 (7' 6")	←
Overall width		H	mm (ft-in)	1200 (3' 11")	←
Overhead guard height		I	mm (ft-in)	2230 (7' 4")	←
Ground clearance (Mast)		J	mm (in)	117 (4.6")	←
Wheel base		K	mm (ft-in)	1400 (4' 7")	←
Wheel tread (front/rear)		M/M'	mm (ft-in)	993/980 (3' 3"/3' 3")	←

2. SPECIFICATION FOR MAJOR COMPONENTS

1) CONTROLLER

Item	Unit	Traction	Pump
Model	-	Dual AC2	AC2
Type	-	AC	←
Dimension	mm	322×200×149	250×200×147.5
Current limit	A	330 + 330	450
Communication	-	CAN	←

2) MOTOR

Item	Unit	Traction	Pump
Type	-	AMDN4002	AMDL4001
Rated voltage	Vac	32	30
Output	kW	4.7×2	17
Insulation	-	Class F	Class F

3) BATTERY

Item	Unit	22/25B-9F	30B-9F
Rated voltage	V	48	←
Dimension (W×L×H)	mm	1030×796×533	1030×990×533
		1066×796×537	1066×990×537
Min. Battery weight	kg	970	1040
Max. Battery weight	kg	1300	1495
Connector	-	SB 350 or SR 350	

4) CHARGER

Item	Unit	22/25B-9F	30B-9F
Type	-	Constant current, constant voltage	
Battery capacity for charge	V-AH	48 - 530 ~ 600	48 - 660 ~740
AC input	V	Triple phase 410	
		Single phase 220	
		Triple phase 220/380	
		Triple phase 440	
DC output	V	64±1	
Charge time	hr	6±2	
Connector	-	SB 350 or SR 350	

5) GEAR PUMP

Item	Unit	Specification
Type	-	Fixed displacement gear pump
Capacity	cc/rev	24
Maximum operating pressure	bar	250
Rated speed (max/min)	rpm	3000/500

6) MAIN CONTROL VALVE

Item	Unit	Specification
Type	-	2 spool, 3 spool, 4 spool
Operating method	-	Mechanical
Main relief valve pressure	bar	190
2nd relief valve pressure	bar	130

7) DRIVE AXLE UNIT

Item	Unit	Specification
Max axle load	kg/lb	4500/9920.8
Max input rpm	rpm	5000
Gear ratio	—	24.58
Weight without fluid (1EA)	kg/lb	62 / 137
Oil quantity	ℓ /U.S · qt	1.0 (1.06)

8) WHEELS

Item	22/25/30B-9F
Type (STD/OPT)	SOLID / NON-MARKING, PNEUMATIC
Quantity (front/rear)	2/2
Front-drive	23×9-10 (18PR)
Rear-steering	18×7-8 (16PR)

9) BRAKES & STEERING

Item		Specification
Brakes	Travel	Front wheel, Hydraulic, wet disc brake
	Parking	Mechanical
Steering	Type	Full hydraulic, power 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	M10×1.5	6.9±1.4	50±10
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	M10×1.5	8±0.5	57.9±3.6
9	Power train system	Drive unit mounting bolt, nut	M20×2.5	55.5±2.5	401±18.0
10		Steering axle mounting bolt, nut	M20×2.5	62±3.0	448±21.7
11		Front wheel mounting nut	M14×1.5	15.7±2.3	114±16.6
12		Rear wheel mounting nut	M14×1.5	23±1.0	166±7.2
13	ETC	Counterweight mounting bolt	M24×3.0	199±15	1429±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		Mast mounting bolt	M16×2.0	29.7±4.5	215±32.5