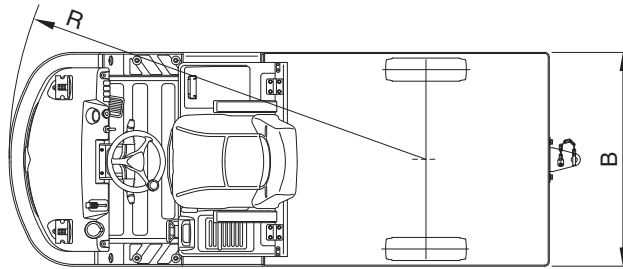


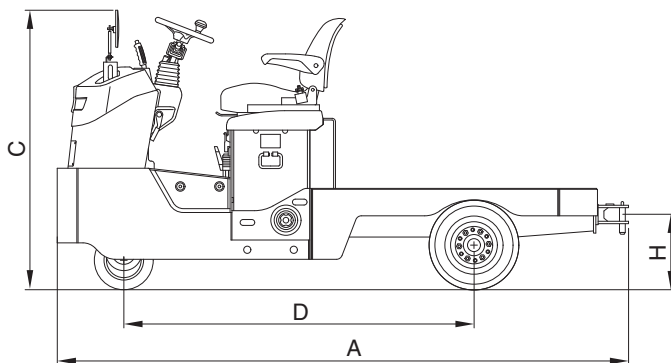
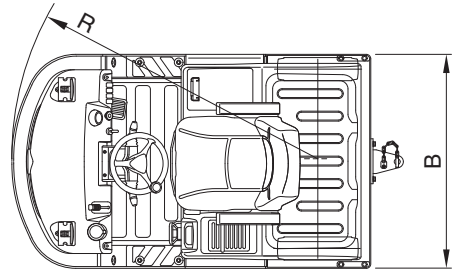
7. SPECIFICATIONS

1. SPECIFICATIONS

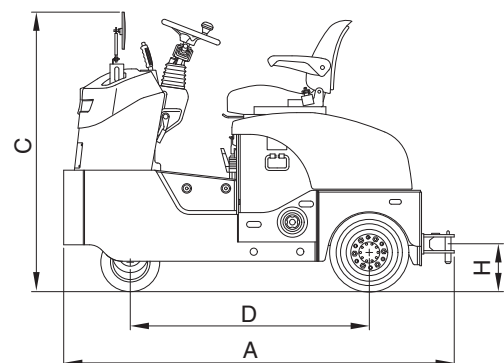
1) 15P-9



2) 40T-9



15P9SP01



40T9SP01

Model		Unit	15P-9	40T-9
Capacity		kg	1500 (3310)	4000 (8820)
Travel speed	Loaded	km/h (mph)	8 (5)	←
	Unloaded	km/h (mph)	10 (6.2)	←
Min. turning radius	R	mm (in)	2143 (7' 0")	1573 (5' 2")
Overall length	A	mm (in)	2939 (9' 8")	2012 (6' 7")
Overall width	B	mm (in)	1100 (3' 7")	←
Overall height	C	mm (in)	1430 (4' 8")	←
Wheel base	D	mm (in)	1800 (5' 11")	1230 (4' 0")
Hook height	H	mm	326/ 381	179/234/ 289/344
Weight (Unloaded)		kg (lb)	1247 (2749)	1236 (2725)
Drive motor		kW	4.0	←
Wheel tread	Front	mm (in)	-	-
	Rear	mm (in)	900 (2' 11")	←
Ground clearance		mm (in)	150 (5.9")	←
Tire	FR	-	ø 305 × 127	←
	RR	-	5.00-8-8PR	4.00-8

2. SPECIFICATION FOR MAJOR COMPONENTS

1) DRIVE MOTOR CONTROLLER

Item	Unit	15P/40T-9
Model	-	ACE2 36-48V 300A
Type	-	MOSFET
Current limit	A	300
Dimension	mm (in)	200 × 160 × 95 (7.9 × 6.3 × 3.7)
Operation temperature	°C	-40~80
Communication	-	CAN

2) EPS CONTROLLER

Item	Unit	15P/40T-9
Model	-	30DS-CR12-002
Type	-	DC 48V
Current limit	A	25
Dimension	mm (in)	124 × 234 × 50
Operation temperature	°C	-20 ~ +60

3) DRIVE MOTOR

Item	Unit	15P/40T-9
Model	-	AMBS 4001
Type	-	AC
Rated voltage	Vac	30
Output	kW	4
Insulation class	-	F

4) EPS MOTOR

Item	Unit	15P/40T-9
Model	-	30DS-HT01-002
Type	-	DC
Rated voltage	Vac	48
Output	kW	0.3
Insulation class	-	F

5) DRIVE UNIT

Item	Unit	15P/40T-9
Type	-	Vertical
Max wheel load	kg (lb)	750 (1653)
Gear ratio	-	20.125
Weight without fluid	kg (lb)	100 (220)

6) WHEELS

Item		Unit	15P/40T-9
Type	Front	-	Cushion (std), Urethane, Non-marking
	Rear	-	Pneumatic (15P-9, std), Solid (40T-9, std), Solid, Non-marking
Quantity	Front	-	1
	Rear	-	2
Tire	Front	-	ø 305×127
	Rear	-	5.00-8-8PR (15P-9) 4.00-8 (40T-9)
Tire pressure	Front	psi	-
	Rear	psi	114 (15P-9)

7) STEERING

Item	Unit	15P/40T-9
Type	-	Electric power steering
Steering angle	-	90° to both right and left angle, respectively

8) SERVICE BRAKE

Item	Unit	15P/40T-9
Type	-	Drum

9) PARKING BRAKE

Item	Unit	15P/40T-9
Type	-	Ratchet

10) BATTERY

Item	Unit	15P/40T-9
Voltage	V	48
Capacity	AH/hr	230/5 (std) 280/5 (opt)
Type	-	VCI230 (std) VCF280 (opt)
Dimension (W x L x H)	mm (in)	965 × 380 × 580 (38" × 15" × 22.8")
Weight	kg (lb)	400 (880) (std) 470 (1040) (opt)

11) CHARGER

Item	Unit	15P/40T-9
Voltage	-	IUIa
Capacity	V-AH/hr	48-201~230/5 (std) 48-280~365/5 (opt)
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

3. TIGHTENING TORQUE FOR MAJOR COMPONENTS

No.	Items		Size	kgf · m	lbf · ft
1	Electric system	EPS motor assy	M 8×1.25	3.9±0.2	28.2±1.4
2	Power train system	Drive unit mounting bolt	M16×2	29.7±3.0	215±21.7
3		Drive motor mounting bolt	M 8×1.25	3.9±0.2	28.2±1.4
4		Rear axle mounting bolt, nut	M14×2.0	20.0±2.0	145±14.4
5		Front wheel mounting bolt	M16×1.5	20.0±1.5	145±10.8
6		Rear wheel mounting nut	M12×1.5	10.0±1.0	72.3±7.2
7	Others	Seat mounting nut	M 8×1.25	2.5±0.5	18.1±3.6