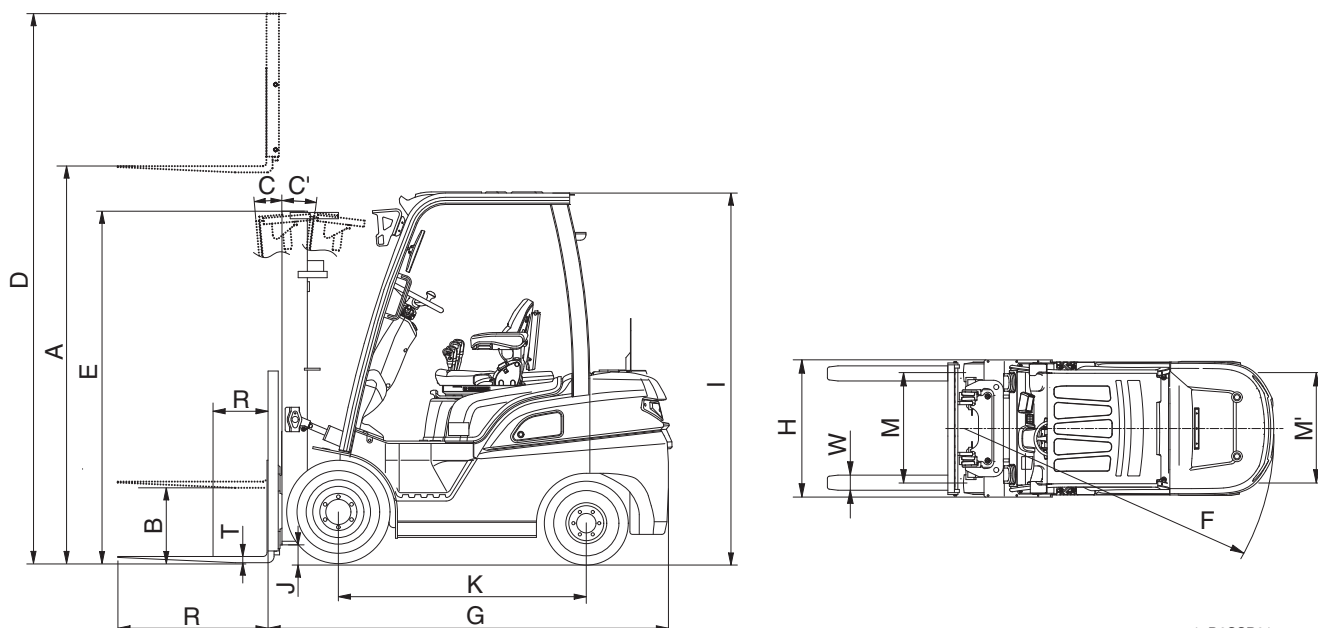


8. SPECIFICATIONS

1. SPECIFICATION TABLE



15D9SSP01

Model			Unit	15D-9	18D-9	20D-9
Capacity			kg (lb)	1500 (3000)	1780 (3500)	2000 (4000)
Load center		R	mm (in)	500 (24")	←	←
Weight (Unloaded)			kg (lb)	2786 (6142)	2958 (6521)	3126 (6892)
Fork	Lifting height	A	mm (ft·in)	3025 (9' 4")	←	3030 (9' 5")
	Free lift	B	mm (in)	35 (1.4)	←	40 (1.6)
	Lifting speed (Unload/Load)		mm/sec	620/630	610/630	600/630
	Lowering speed (Unload/Load)		mm/sec	500/450	←	←
	L × W × T	L, W, T	mm (in)	900×100×35 (35.4×3.9×1.4)	←	900×100×40 (35.4×3.9×1.6)
Mast	Tilt angle (forward/backward)	C/C'	degree	6/10	←	←
	Max height	D	mm (ft·in)	4020 (13' 2")	←	←
	Min height	E	mm (ft·in)	2005 (6' 7")	←	←
Body	Travel speed (Unload)		km/h	17.9	←	←
	Gradeability (Load)		%	44.3	39.5	36.8
	Min turning radius (Outside)	F	mm (ft·in)	2005 (6' 7")	2030 (6' 8")	2065 (6' 9")
ETC	Operating pressure		kgf/cm ²	190	←	←
	Hydraulic oil tank		l (usgal)	36 (9.5)	←	←
	Fuel tank		l (usgal)	45 (12)	←	←
Overall length			G	mm (ft·in)	2224 (7' 4")	2289 (7' 6")
Overall width			H	mm (ft·in)	1070 (3' 6")	←
Overhead guard height			I	mm (ft·in)	2110 (6' 11")	←
Ground clearance			J	mm (in)	120 (4.7)	←
Wheel base			K	mm (ft·in)	1410 (4' 8")	←
Wheel tread front/rear			M/M'	mm (ft·in)	890/910 (2' 11"/3')	←

2. SPECIFICATION FOR MAJOR COMPONENTS

1) ENGINE

Item	Unit	Specification
Model	-	Daedong 3F183T
Type	-	4-cycle, in-line overhead valve
Cooling Method	-	Water cooling
Number of cylinders and arrangement	-	3 cylinders, in line
Firing order	-	1-2-3
Combustion chamber type	-	Common rail direct injection (CRDI)
Cylinder bore X stroke	mm (in)	87 × 102.4 (3.4 × 3.6)
Piston displacement	cc (cu in)	1826 (111.4)
Compression ratio	-	17.4
Rated gross horse power	ps/rpm	50.3/2300
Maximum gross torque at rpm	kgf · m/rpm	16.9/1700
Engine oil quantity	l (U.S.gal)	6 (1.58)
Dry weight	kg (lb)	232 (511)
High idling speed	rpm	2450 ± 50
Low idling speed	rpm	900 ± 50
Rated fuel consumption	g/ps.hr	170
Starting motor	V-kW	Valeo 12 V, 2.5 kW
Alternator	V-A	Valeo 12 V, 75 A
Battery	V-AH	12 V, 80 AH
Fan belt deflection	mm (in)	7~9 (0.28~0.35)

2) MAIN PUMP

Item	Unit	Specification
Type	-	Gear
Capacity	cc/rev	26
Maximum operating pressure	bar	250
Rated speed (Max/Min)	rpm	2700/500

3) MAIN CONTROL VALVE

Item	Unit	Specification
Type	-	Sectional
Operating method	-	Mechanical
Relief valve pressure (main/2nd)	kg/cm ²	190/150
Flow capacity	lpm	65

4) POWER TRAIN DEVICES

Item		Specification
Torque converter	Model	KAPEC 280 DB
	Type	3 Element, 1 stage, 2 phase
	Stall ratio	2.9 : 1
Transmission	Type	Full auto, power shift
	Gear shift (FR/RR)	1/1
	Control	Electrical single lever type, kick-down system
	Overhaul ratio	FR 1 : 1
		RR 1 : 1
Axle	Type	Front-wheel drive type, fixed location
	Gear ratio	14.2 : 1
	Gear	Ring & pinion gear type
Wheels	Q'ty (FR/RR)	2/2
	Front (drive)	6.50-10-14 PR
	Rear (steer)	5.00-8-8 PR
Brakes	Travel	Front wheel, wet disc brake
	Parking	Wet disk (negative brake)
Steering	Type	Hydro static, power steering
	Steering angle	80.8° to both right and left angle, respectively

3. TIGHTENING TORQUE

No.	Items		Size	kgf · m	lbf · ft
1	Engine	Engine mounting bolt, nut	M16×2.0	26±5.2	188±37.6
2		Radiator mounting bolt, nut	M 8×1.25	2.5±0.5	18.1±3.6
3		Torque converter mounting bolt	M10×1.25	6.9±1.4	50±10
4	Hydraulic system	MCV mounting bolt, nut	M10×1.5	4.0±0.5	29±3.6
5		Steering unit mounting bolt	M10×1.5	4.0±0.5	29±3.6
6	Power train system	Transmission mounting bolt, nut	M16×2.0	26±5.2	188±37.6
7		Drive axle mounting bolt, nut	M20×1.5	65±3	470±21.7
8		Steering axle mounting bolt, nut	M20×2.5	58±8.5	420±61
9		Front wheel mounting nut	M14×1.5	17.5±1.5	127±10.8
10		Rear wheel mounting nut	M12×1.5	10±1	72±7.2
11	Others	Counterweight mounting bolt	M30×3.5	60±5	434±36
12		Operator's seat mounting nut	M 8×1.25	2.5±0.5	18.1±3.6
13		Head guard mounting bolt	M12×1.75	6.2	44.8
14		Mast mounting bolt	M16×2.0	23.4±3.5	169±25.3