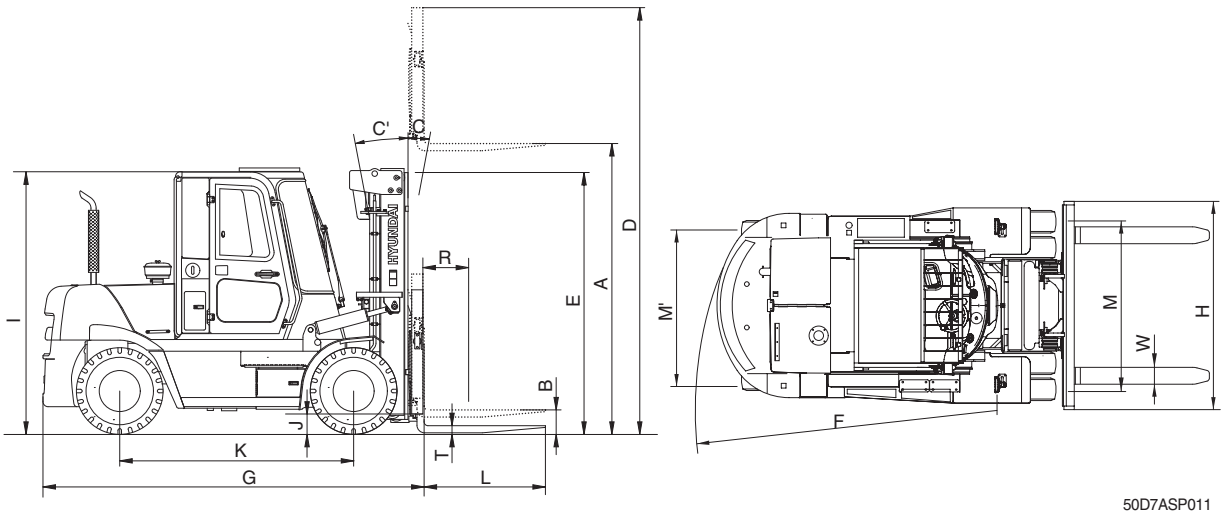
1. SPECIFICATION TABLE



50D7ASP011

Model			Unit	50D-9B	70D-9B
Capacity			kg (lb)	5000 (11000)	7000 (15500)
Load center			mm (in)	600 (24")	←
Weight(Unloaded)			kg (lb)	8814 (19430)	10243 (22580)
Fork	Lifting height	A	mm (ft·in)	3030 (9' 11")	←
	Free lift	B	mm (in)	140 (5' 5")	←
	Lifting speed (Unload/Load)		mm/sec	460/440	460/420
	Lowering speed (Unload/Load)		mm/sec	450/500	←
	L×W×T	L,W,T	mm (in)	1200×150×60 (47.2×5.9×2.4)	1200x180x60 (47.2x7.1x2.4)
Mast	Tilt angle (forward/backward)	C/C'	degree	15/10	←
	Max height	D	mm (ft·in)	4275 (14' 0")	←
	Min height	E	mm (ft·in)	2515 (8' 3")	←
Body	Travel speed (Unload)		km/h	33.2	33.0
	Gradeability (Load)		%	44.0	34.2
	Min turning radius (Outside)	F	mm (ft·in)	3300 (10' 10")	3420 (11' 3")
ETC	Max hydraulic pressure		kgf/cm²	210	←
	Hydraulic oil tank		ℓ (USgal)	80 (21)	←
	Fuel tank		ℓ (USgal)	160 (42.3)	←
Overall length		G	mm (ft·in)	3546 (11' 8")	3640 (11' 11")
Overall width		H	mm (ft·in)	2207 (7' 3")	←
Overall height (cabin)		I	mm (ft·in)	2550 (8' 4")	←
Ground clearance (mast)		J	mm (in)	195 (7.7")	←
Wheel base		K	mm (ft·in)	2300 (7' 7")	←
Wheel tread front/rear		M/M'	mm (ft·in)	1580 / 1604 (5' 2" / 5' 3")	←
Max drawbar pull (load)		M/M'	kg (lb)	6161 (13583)	6204 (13677)

2. SPECIFICATION FOR MAJOR COMPONENTS

1) ENGINE

Item	Unit	Specification
Model	–	Kubota V3800
Type	–	Vertical, 4-cycle DI, T4 final, diesel engine
Cooling Method	–	Water cooling
Number of cylinders and arrangement	–	4-cylinders, In-line
Firing order	–	1-3-4-2
Combustion chamber type	–	Direct injection
Cylinder bore × stroke	mm (in)	100 × 120 mm (3.94" × 3.72")
Piston displacement	cc (cu in)	3769 (230)
Compression ratio	–	17.5 : 1
Rated gross horse power	ps/rpm	74.2/2200
Maximum gross torque at rpm	kgf · m/rpm	31.6/1500
Engine oil quantity	ℓ (U.S.gal)	13.2 (3.49)
Dry weight	kg (lb)	328 (723)
High idling speed	rpm	2500
Low idling speed	rpm	850
Rated fuel consumption	g/kw.hr	218.5 (at 1600 rpm)
Starting motor	V-kW	24-3.2
Alternator	V-A	24-80
Battery	V-AH	24-80

2) MAIN PUMP

Item	Unit	Specification
Type	–	Gear pump
Capacity	cc/rev	35.4+35.4+9.3
Maximum operating pressure	kgf/cm^2	185
Rated speed (Max/Min)	rpm	3000/600

3) MAIN CONTROL VALVE

Item	Unit	Specification
Type	–	Sectional
Operating method	–	Hydraulic pilot
Relief valve pressure (main/aux)	kgf/cm^2	185/150
Flow capacity	lpm	163

4) STEERING UNIT

Item	Unit	Specification
Type	–	Load sensing/Non load reaction/Dynamic signal
Capacity	cc/rev	160
Rated flow	lpm	22.7
Relief pressure	kgf/cm^2	125

5) POWER TRAIN DEVICES

Item			Specification		
Torque converter	Model		ZF 3WG94		
	Type		3 Element, 1 stage, 2 phase		
	Stall ratio		2.395 : 1		
Transmission	Type		Full auto, power shift		
	Gear shift (FR/RR)		3/3		
	Adjustment		Electrical single lever type		
	Overhaul ratio	FR	1 : 4.714	2 : 2.341	3 : 0.974
		RR	1 : 4.711	2 : 2.340	3 : 0.973
Axle	Type		Front-wheel drive type, fixed location		
	Gear ratio		10.545		
	Gear		Ring & Pinion gear type		
Wheels	Q'ty (FR/RR)		Double : 4/2		
	Front (drive)		8.25-15-14 PR		
	Rear (steer)		8.25-15-14 PR		
Brakes	Travel		Front wheel, wet disc brake		
	Parking		Wet disc brake (negative type)		
Steering	Type		Full hydraulic, power steering		
	Steering angle		75.87˚ to both right and left angle, respectively		

3. TIGHTENING TORQUE

NO	Item		Size	kgf · m	lbf · ft
1	Engine	Engine mounting bolt, nut	M12×1.25	12.3±3.0	89±21.7
2		Engine bracket mounting bolt	M10×1.5	6.9±1.4	50±10.1
3		Radiator mounting bolt, nut	M10×1.5	6.9±1.4	50±10.1
4	Hydraulic system	Hydraulic pump mounting bolt	M16×2.0	29.7±4.5	215±32.3
5		MCV mounting bolt, nut	M12×1.75	12.8±3.0	93±21.7
6		Steering unit mounting bolt	M10×1.5	6.9±1.4	50±10.1
7	Power train system	Transmission mounting bolt, nut	M20×2.5	55±5	398±36.2
8		Transmission bracket mounting bolt, nut	M16×2.0	7.5	54
9		Torque converter mounting bolt	M10×1.5	6.9±1.4	50±10.1
10		Torque converter diaphragm mtg bolt	M10×1.5	6.9±1.4	50±10.1
11		Drive axle mounting bolt, nut	M27×3.0	150±15	1085±109
12		Steering axle mounting bolt, nut	M18×2.5	41.3±6.2	300±45
13		Front/Rear wheel mounting nut	M22×1.5	61.2±12	443±86.8
14		Drive shaft	3/8-24UNF	7±0.7	50.6±5.0
15	Others	Counterweight mounting bolt	M30×3.5	199±29.9	1439±216
16		Operator's seat mounting nut	M 8×1.25	3.4±0.7	24.6±5.1
17		Cab mounting nut	M20×2.5	57.9±8.7	419±63
18		Mast mounting bolt	M20×2.5	57.9±8.7	419±63