

4,000 / 5,000 lb. capacities

Main Truck Specifications

		Nissan			Nissan		Nissan					
CHARACTERISTICS	1	Manufacturer's Name	Nissan			Nissan		Nissan		1		
	2	Model	BX40			BX50		BX50L		2		
	3		CP1B2L20S			CP1B2L25S		CPG1B2L25S		3		
	4	Rated Load Capacity	lb (kg)	4000 (2000)			5000 (2500)		5000 (2500)		4	
	5	Load Center	Distance	in (mm) 24 (500)			24 (500)		24 (500)		5	
	6	Power Type	Electric	voltage	36v	48v	36v	48v	36v	48v	6	
	7	Operator Orientation		Sit			Sit		Sit		7	
DIMENSIONS	8	Tire Type	Front & rear			Cushion		Cushion		8		
	9	Wheels	Number - front/rear (x=driven)			2x / 2		2x / 2		9		
	10	Mast	Maximum fork height	in (mm) 130 (3300)			130 (3300)		130 (3300)		10	
	11		Mast lowered (OHL)	in (mm) 83.1 (2111)			83.1 (2111)		83.1 (2111)		11	
	12		Mast extended with LBR	in (mm) 179.3 (4555)			179.3 (4555)		179.3 (4555)		12	
	13		Standard freelif	in (mm) 4.1 (104)			4.1 (104)		4.1 (104)		13	
	14	Forks	Thickness & width	in (mm) 1.5 x 4 (40x100)			1.5 x 4 (40x100)		1.5 x 4 (40x100)		14	
	15		Length (STD)	in (mm) 42.1 (1070)			42.1 (1070)		42.1 (1070)		15	
	16	Tilt Angle	Standard mast - fwd/back	degree 5 / 10			5 / 10		5 / 10		16	
	17	Overall Dimensions	Length (to face of forks)	in (mm) 84.8 (2155)			86.2 (2190)		90.7 (2305)		17	
	18		Width (standard tires)	in (mm) 42.1 (1070)			42.1 (1070)		42.1 (1070)		18	
	19		Height - top of OHG	in (mm) 87.4 (2220)			87.4 (2220)		87.4 (2220)		19	
	20		Height - top of standard LBR	in (mm) 48.0 (1220)			48.0 (1220)		48.0 (1220)		20	
	21		Width - standard carriage	in (mm) 36.2 (920)			36.2 (920)		36.2 (920)		21	
	22	Grade Clearance	Ramp breakover angle	% 31.0			31.0		27.0		22	
	23		Departure angle	% 35.0			33.0		31.0		23	
	24	Overhang	Front	in (mm) 16.7 (425)			16.7 (425)		16.7 (425)		24	
	25		Rear	in (mm) 18.5 (470)			19.9 (505)		20.5 (520)		25	
	26	Turning Radius	Minimum outside	in (mm) 72.6 (1845)			73.8 (1875)		78.9 (2005)		26	
	27	Min Right Angle Stack	Add load length & clearance	in (mm) 89.3 (2270)			90.5 (2300)		95.6 (2430)		27	
	PERFORMANCE	28	Speeds Maximum	Travel - loaded	mph (km/h) 10.3 (16.5)			9.3 (15.0)		9.3 (15.0)		28
29		Travel - unloaded		mph (km/h) 10.6 (17.0)			10.6 (17.0)		10.6 (17.0)		29	
30		Lift - loaded (36v / 48v)		fpm (mm/sec)	69.0(350)	75.8(385)	63.0(320)	67.9(345)	63.0(320)	67.9(345)	30	
31		Lift - unloaded (36v / 48v)		fpm (mm/sec)	108.3(550)	119.1(605)	108.3(550)	119.1(605)	108.3(550)	119.1(605)	31	
32		Lowering - loaded		fpm (mm/sec)	98.5 (500)			98.5 (500)		98.5 (500)		32
33		Lowering - unloaded		fpm (mm/sec)	97.5 (495)			97.5 (495)		97.5 (495)		33
34	Drawbar Pull Maximum	Full load (36v/48v)	lb (N)	3410(15170)	3482(15490)	3410(15170)	3482(15490)	3410(15170)	3482(15490)	34		
35	Gradeability Maximum	Full load (36v/48v)	%	23.5	24.0	20.0	20.5	20.0	20.5	35		
WEIGHT	37	Truck Weight	Empty, min. battery	lb (kg) 8037 (3645)			8897 (4035)		8776 (3980)		37	
	38	Weight Distribution	Front axle - empty, min. battery	lb (kg) 3219 (1460)			2987 (1355)		3307 (1500)		38	
	39		Rear axle - empty, min. battery	lb (kg) 4818 (2185)			5909 (2680)		5468 (2480)		39	
	40	Tire Size	Front	in 21 x 7 x 15			21 x 7 x 15		21 x 7 x 15		40	
	41		Rear	in 16-1/4 x 6 x 11-1/4			16-1/4 x 6 x 11-1/4		16-1/4 x 6 x 11-1/4		41	
	42	Wheelbase		in (mm) 49.6 (1260)			49.6 (1260)		53.5 (1360)		42	
	43	Tread - Center of Tire	Front / rear (standard tires)	in (mm) 35.0 / 35.0 (890 / 890)			35.0 / 35.0 (890 / 890)		35.0 / 35.0 (890 / 890)		43	
	44	Headroom	SIP to bottom of OHG	in (mm) 42.3 (1075)			42.3 (1075)		42.3 (1075)		44	
	45	Counterweight Height		in (mm) 43.5 (1105)			43.5 (1105)		43.5 (1105)		45	
	46	Step Height		in (mm) 18.5 (470)			18.5 (470)		18.5 (470)		46	
	47	Ground Clearance	Under mast	in (mm) 3.1 (80)			3.1 (80)		3.1 (80)		47	
48	Under power unit		in (mm) 3.9 (100)			3.9 (100)		3.9 (100)		48		
49	Under frame, center of wheelbase		in (mm) 3.7 (95)			3.7 (95)		3.7 (95)		49		
50	Service Brake	Type	Hyd / Elec			Hyd / Elec		Hyd / Elec		50		
51	Parking Brake	Type	Pedal			Pedal		Pedal		51		
52	Steering	On-demand	Hydraulic			Hydraulic		Hydraulic		52		
DRIVE LINE	53	Traction Motor	Type	AC Induction			AC Induction		AC Induction		53	
	54		Control type	MOD-INV			MOD-INV		MOD-INV		54	
	55		Rating	kW/h 9.0 12.0			9.0 12.0		9.0 12.0		55	
	56	Pump Motor	Type	AC Induction			AC Induction		AC Induction		56	
57	Rating		kW/5min 10.0 13.5			10.0 13.5		10.0 13.5		57		
BATTERY	58	Recommended Size	W x H	in (mm) 38.85 x 22.75 (987 x 578)						58		
	59		L	in (mm) 27.95 (710)			33.85 (860)			59		
	60	Battery Compartment Size	W x H - Maximum	in (mm) 39.09 x 23.42 (993 x 595)						60		
	61		L - Maximum	in (mm) 28.26 (718)			34.17 (868)			61		
	62		Lead acid (36v / 48v)	Type	18-95-23	24-95-17	18-95-23	24-95-17	18-95-29	24-95-21	62	
	63		Capacity - Minimum (36v / 48v)	Ah/5h	935	680	935	680	1050	850	63	
	64		Capacity - Maximum (36v / 48v)	Ah/5h	1100	800	1100	800	1400	1000	64	
	65	Weight	Minimum / Maximum	lb (kg) 2491 / 3064 (1130 / 1390)			2491 / 3064 (1130 / 1390)		3075 / 3527 (1395 / 1600)		65	
	66	Lead Length	Position B	in (mm) 18 (455)			18 (455)		18 (455)		66	
67	Connector	Type	SB-350 Gray			SB-350 Gray		SB-350 Gray		67		