

# 10,000 / 11,000 lb. capacities

## Main Truck Specifications

				Nissan	Nissan	Nissan	Nissan		
CHARACTERISTICS	1	Manufacturer's Name						1	
	2	Model	Model designation	1 spd (2 spd)	PF100Y(H)LP/DF	PFD100Y(H)	PF110Y(H)LP/DF	PFD110Y(H)	2
	3		Long model code	1 spd (2 spd)	MJ1F4A(F)45LV/DV	MW1F4A(F)45V	MJ1F4A(F)50LV/DV	MW1F4A(F)50V	3
	4	Power Type			LP - G/LP	Diesel	LP - G/LP	Diesel	4
	5	Rated Load Capacity		lb (kg)	10000 (4500)		11000 (5000)		5
	6	Load Center	Distance	in (mm)	24 (600)		24 (600)		6
	7	Operator Orientation			Sit		Sit		7
DIMENSIONS	8	Tire Type	Front & rear		Pneumatic		Pneumatic		8
	9	Wheels	Number - front/rear (x=driven)		2x / 2		2x / 2		9
	10	Mast	Maximum fork height	in (mm)	130 (3300)		130 (3300)		10
	11		Mast lowered (OHL)	in (mm)	90.4 (2295)		90.4 (2295)		11
	12		Mast extended with LBR	in (mm)	181.1 (4600)		181.1 (4600)		12
	13		Standard freelif	in (mm)	6.9 (175)		6.9 (175)		13
	14	Forks	Length x thickness x width	in (mm)	48 x 2 x 6 (1220 x 50 x 150)		48 x 2 x 6 (1220 x 50 x 150)		14
	15	Tilt Angle	Standard mast - fwd/back	degree	6 / 12		6 / 12		15
	16	Overall Dimensions	Length (to face of forks)	in (mm)	126.3 (3210)		131.5 (3340)		16
	17		Height - top of OHG	in (mm)	92.5 (2350)		92.5 (2350)		17
	18		Height - top of standard LBR	in (mm)	48.0 (1220)		48.0 (1220)		18
	19		Width - standard carriage	in (mm)	47.2 (1200)		47.2 (1200)		19
	20	Overall Width	Width - single wide tire	in (mm)	58.7 (1490)		58.7 (1490)		20
	21		Width - dual tire / dual wide tire	in (mm)	69.9 (1775) / 77.6 (1190)		69.9 (1775) / 77.6 (1190)		21
	22	Grade Clearance Angle	Departure	%	36		36		22
23	Overhang	Front / rear	in (mm)	23.1 (587) / 24.5 (622)		23.5 (597) / 23.3 (593)		23	
24	Turning Radius	Minimum outside	in (mm)	110.2 (2800)		115.6 (2940)		24	
25	Min Right Angle Stack	Add load length & clearance	in (mm)	133.3 (3387)		139.1 (3537)		25	
PERFORMANCE	26	Travel Speed Forward	1st speed - loaded / unloaded	mph (km/h)	11.2 (18) / 11.2 (18)	11.2 (18) / 12.1 (19.5)	11.2 (18) / 11.2 (18)	11.2 (18) / 12.1 (19.5)	26
	27	Maximum	2nd speed - loaded / unloaded	mph (km/h)	13.7 (22) / 13.7 (22)	14.6 (23.5) / 15.2 (24.5)	13.7 (22) / 13.7 (22)	14.6 (23.5) / 15.2 (24.5)	27
	28	Lifting/Lowering Speed	Lift - loaded / unloaded	fpm (mm/sec)	82.7 (420) / 82.7 (420)	84.6 (430) / 88.6 (450)	82.7 (420) / 82.7 (420)	82.7 (420) / 86.6 (440)	28
	29	Maximum	Lowering - loaded / unloaded	fpm (mm/sec)	88.6 (450) / 88.6 (450)	88.6 (450) / 88.6 (450)	88.6 (450) / 88.6 (450)	88.6 (450) / 88.6 (450)	29
	30	Drawbar Pull Maximum	Full load - at 1 mph	lb (N)	7260 (32300)	6990 (31050)	7470 (33200)	7175 (31900)	30
	31		No load - at 1 mph	lb (N)	6280 (27900)	5610 (24920)	6480 (28800)	5795 (2625)	31
	32	Gradeability Maximum	Full load / no load - at 1 mph	%	25 / 24	24 / 22	23 / 22	22 / 20	32
WEIGHT	33	Truck Weight	No load - standard truck	lb (kg)	15185 (6880)	15090 (6835)	16300 (7385)	16290 (7380)	33
	34	Weight Distribution	Front axle - empty	lb (kg)	6115 (2770)	6180 (2800)	6745 (3055)	6745 (3055)	34
	35		Rear axle - empty	lb (kg)	9070 (4110)	8910 (4035)	9560 (4330)	9545 (4325)	35
	36		Front axle - with rated load	lb (kg)	21940 (9940)	22010 (9970)	23920 (10835)	23930 (10840)	36
	37		Rear axle - with rated load	lb (kg)	3180 (1440)	3015 (1365)	3420 (1550)	3400 (1540)	37
CHASSIS & WHEELS	38	Wheelbase		in (mm)	78.5 (2000)		84.5 (2150)		38
	39	Tire Size	Front Tread - single wide		300 x 15-18PR		300 x 15-18PR		39
	40		Front Tread - dual / dual wide		7.50 x 16-12PR / 8.25 x 15-12PR		7.50 x 16-12PR / 8.25 x 15-12PR		40
	41		Rear Tread		7.00 x 12-16PR		7.00 x 12-16PR		41
	42	Tread - Center of Tire	Front Tread - single wide	in (mm)	46.5 (1180)		46.5 (1180)		42
	43		Front Tread - dual / dual wide	in (mm)	51.5 (1310) / 56.9 (1445)		51.5 (1310) / 56.9 (1445)		43
	44		Rear Tread	in (mm)	46.5 (1180)		46.5 (1180)		44
	45	Seat Height		in (mm)	46.0 (1170)		46.0 (1170)		45
	46	Headroom	SIP to bottom of OHG	in (mm)	45.1 (1145)		45.1 (1145)		46
	47	Counterweight Height		in (mm)	50.2 (1275)		50.2 (1275)		47
	48	Step Height		in (mm)	18.7 (475)		18.7 (475)		48
	49	Floor Height		in (mm)	31.3 (795)		31.3 (795)		49
50	Ground Clearance	Under mast / power unit / frame	in (mm)	5.7 (145) / 6.7 (170) / 8.9 (225)		5.7 (145) / 6.7 (170) / 8.9 (225)		50	
DRIVE LINE	51	Service Brake	Type		Foot, Hydraulic Boost		Foot, Hydraulic Boost		51
	52	Parking Brake	Type		Hand, Mechanical		Hand, Mechanical		52
	53	Steering	Type		Hydrostatic, Power		Hydrostatic, Power		53
	54	Engine	Model		Nissan TB45	Nissan TD42	Nissan TB45	Nissan TD42	54
	55	Rated Output	SAE gross - LP, Diesel	hp (kW) @ rpm	95.6 (71.3) @ 2450	86 (64.1) @ 2400	95.6 (71.3) @ 2450	86 (64.1) @ 2400	55
	56	Rated Torque	SAE gross - LP, Diesel	ft-lb(Nm)@rpm	209.4(284)@1600	188 (254.6)@2400	209.4(284)@1600	188(254.6)@2400	56
	57	Displacement		cu in (cm <sup>3</sup> )	273 (4478)	254 (4169)	273 (4478)	254 (4169)	57
	58	Transmission	Type & Speeds - 1 speed		Powershift, 1 fwd / 1 rev		Powershift, 1 fwd / 1 rev		58
	59		Type & Speeds - 2 speed		Automatic, 2 fwd / 1 rev		Automatic, 2 fwd / 1 rev		59