

NISSAN
FORKLIFT

BX Platinum Series

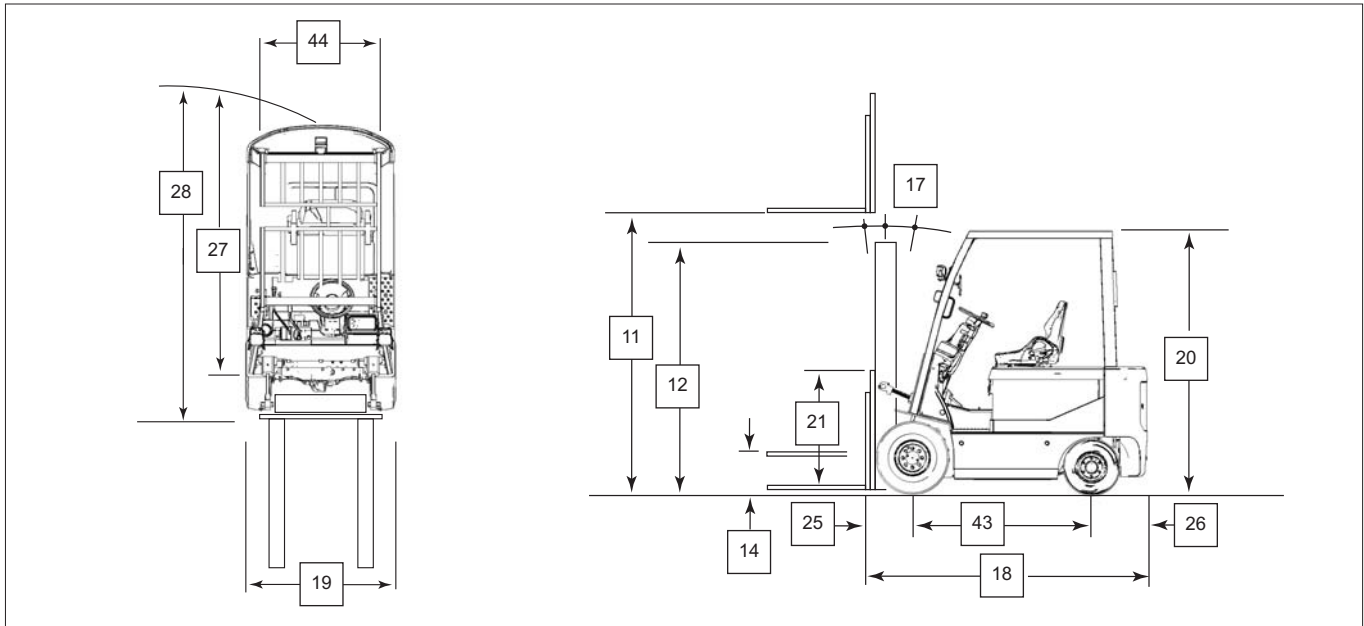
Pneumatic Tire / 48 Volt / 4-Wheel AC-Powered Models

3,000 - 5,000 lb.
Capacities



BX Platinum^{series}

Dimensions



Battery Information

MODEL	BXP30	BXP30L	BXP35	BXP35L	BXP40	BXP40L	BXP50	BXP50L
Wheelbase in. (mm)	50.0 (1270)	57.1 (1450)	50.0 (1270)	57.1 (1450)	57.1 (1450)	62.8 (1595)	57.1 (1450)	62.8 (1595)
Battery Compartment Size								
Width in (mm)	38.81 (986)	38.81 (986)	38.81 (986)	38.81 (986)	38.81 (986)	38.81 (986)	38.81 (986)	38.81 (986)
Length in (mm)	26.57 (675)	33.85 (860)	26.57 (675)	33.85 (860)	33.85 (860)	39.96 (1015)	33.85 (860)	39.96 (1015)
Height in (mm)	18.50 (470)	18.50 (470)	18.50 (470)	18.50 (470)	18.50 (470)	22.83 (580)	18.50 (470)	22.83 (580)
Recommended Battery Size								
Width in (mm)	38.58 (980)	38.58 (980)	38.58 (980)	38.58 (980)	38.58 (980)	38.58 (980)	38.58 (980)	38.58 (980)
Length in (mm)	26.37 (670)	33.66 (855)	26.37 (670)	33.66 (855)	33.66 (855)	39.76 (1010)	33.66 (855)	39.76 (1010)
Height in (mm)	18.50 (470)	18.50 (470)	18.50 (470)	18.50 (470)	18.50 (470)	22.83 (580)	18.50 (470)	22.83 (580)
Battery Weight								
Minimum lb (kg)	1532 (695)	1940 (880)	1587 (720)	1940 (880)	1774 (805)	2535 (1150)	1973 (895)	2535 (1150)
Maximum lb (kg)	1962 (890)	2447 (1110)	1962 (890)	2447 (1110)	2976 (1350)	3747 (1700)	2976 (1350)	3747 (1700)

The battery for the BX Pneumatic Series requires a special case with latch and lockdown device.

3,000 lb. capacity

Main Truck Specifications

CHARACTERISTICS				Nissan	Nissan	
1	Manufacturer's Name			Nissan	Nissan	1
2	Model	Model designation		BXP30	BXP30L	2
3		Long model code		K1B1R15V	KG1B1L15V	3
4				Standard Wheelbase	Long Wheelbase	4
5	Rated Load Capacity		lb (kg)	3000 (1500)	3000 (1500)	5
6	Load Center	Distance	in (mm)	24 (500)	24 (500)	6
7	Power Type	Electric	voltage	48v	48v	7
8	Operator Orientation			Sit	Sit	8
9	Tire Type	Front & rear		Pneumatic	Pneumatic	9
10	Wheels	Number - front/rear (x=driven)		2x / 2	2x / 2	10
11	Mast	Maximum fork height	in (mm)	130 (3300)	130 (3300)	11
12		Mast lowered (OHL)	in (mm)	84.3 (2141)	84.3 (2141)	12
13		Mast extended with LBR	in (mm)	179.3 (4555)	179.3 (4555)	13
14		Standard freelif	in (mm)	6.3 (160)	6.3 (160)	14
15	Forks	Thickness & width	in (mm)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	15
16		Length (STD)	in (mm)	42.1 (1070)	42.1 (1070)	16
17	Tilt Angle	Standard mast - fwd/back	degree	5/11	5/11	17
18	Overall Dimensions	Length (to face of forks)	in (mm)	80.3 (2040)	87.8 (2230)	18
19		Width (standard tires)	in (mm)	44.1 (1120)	44.1 (1120)	19
20		Height - top of OHG	in (mm)	83.5 (2120)	83.5 (2120)	20
21		Height - top of standard LBR	in (mm)	48.0 (1220)	48.0 (1220)	21
22		Width - standard carriage	in (mm)	36.2 (920)	36.2 (920)	22
23	Grade Clearance	Ramp breakover angle	%	35.0	31.0	23
24		Departure angle	%	50.0	48.0	24
25	Overhang	Front	in (mm)	15.7 (400)	15.7 (400)	25
26		Rear	in (mm)	14.6 (370)	15.0 (380)	26
27	Turning Radius	Minimum outside	in (mm)	68.9 (1750)	77.6 (1970)	27
28	Min Right Angle Stack	Add load length & clearance	in (mm)	84.6 (2150)	93.3 (2370)	28
29	Speeds Maximum	Travel - loaded	mph (km/h)	9.9 (16.0)	9.9 (16.0)	29
30		Travel - unloaded	mph (km/h)	11.2 (18.0)	10.9 (17.5)	30
31		Lift - loaded	fpm (mm/sec)	85.7 (435)	85.7 (435)	31
32		Lift - unloaded	fpm (mm/sec)	126.0 (640)	126.0 (640)	32
33		Lowering - loaded	fpm (mm/sec)	98.5 (500)	98.5 (500)	33
34		Lowering - unloaded	fpm (mm/sec)	98.5 (500)	98.5 (500)	34
35	Drawbar Pull Maximum	Full load	lb (N)	3281 (14595)	3281 (14595)	35
36	Gradeability Maximum	Full load	%	21.0	20.0	36
37		Empty	%	32.0	30.5	37
38	Truck Weight	Single tire w/min. battery	lb (kg)	6417 (2910)	6935 (3145)	38
39	Weight Distribution	Front axle - empty, min. battery	lb (kg)	2867 (1300)	3131 (1420)	39
40		Rear axle - empty, min. battery	lb (kg)	3550 (1610)	3804 (1725)	40
41	Tire Size	Front	in	21x8-9-10PR	21x8-9-10PR	41
42		Rear	in	5.00-8-10PR	5.00-8-10PR	42
43	Wheelbase		in (mm)	50.0 (1270)	57.1 (1450)	43
44	Tread - Center of Tire	Front / rear (standard tires)	in (mm)	36.2 / 35.4 (920 / 900)	36.2 / 35.4 (920 / 900)	44
45	Headroom	SIP to bottom of OHG	in (mm)	40.9 (1040)	40.9 (1040)	45
46	Counterweight Height		in (mm)	38.2 (970)	38.2 (970)	46
47	Step Height		in (mm)	20.5 (520)	20.5 (520)	47
48	Ground Clearance	Under mast	in (mm)	4.3 (110)	4.3 (110)	48
49		Under power unit	in (mm)	3.7 (95)	3.7 (95)	49
50		Under frame, center of wheelbase	in (mm)	4.3 (110)	4.3 (110)	50
51	Service Brake	Type		Hyd / Elec	Hyd / Elec	51
52	Parking Brake	Type		Pedal	Pedal	52
53	Steering	On-demand		Hydraulic	Hydraulic	53
54	Traction Motor	Type		AC Induction	AC Induction	54
55		Control type		MOD-INV	MOD-INV	55
56		Rating	kW/h		9.0	9.0
57	Pump Motor	Type		AC Induction	AC Induction	57
58		Rating	kW/5min		11.0	11.0
59	Recommended Size*	W x H	in (mm)	38.58 x 18.50 (980 x 470)	38.58 x 18.50 (980 x 470)	59
60		L	in (mm)	26.37 (670)	33.66 (855)	60
61	Battery Compartment Size*	W x H - Maximum	in (mm)	38.81 x 18.50 (986 x 470)	38.81 x 18.50 (986 x 470)	61
62		L - Maximum	in (mm)	26.57 (675)	33.85 (860)	62
63	Lead acid*	Type		CF	CF	63
64	Capacity	Ah/5h		CF	CF	64
65	Weight	Minimum / Maximum	lb (kg)	1532 / 1962 (695 / 890)	1940 / 2447 (880 / 1110)	65
66	Lead Length	Position B	in (mm)	25 (635)	25 (635)	66
67	Connector	Type		SB-350 Gray	SB-350 Gray	67

* Battery requires special case with latch and lockdown device. CF-Consult Factory

Main Truck Specifications

CHARACTERISTICS				Nissan	Nissan	
1	Manufacturer's Name			Nissan	Nissan	1
2	Model	Model designation		BXP35	BXP35L	2
3		Long model code		K1B1R18V	KG1B1L18V	3
4				Standard Wheelbase	Long Wheelbase	4
5	Rated Load Capacity		lb (kg)	3500 (1750)	3500 (1750)	5
6	Load Center	Distance	in (mm)	24 (500)	24 (500)	6
7	Power Type	Electric	voltage	48v	48v	7
8	Operator Orientation			Sit	Sit	8
9	Tire Type	Front & rear		Pneumatic	Pneumatic	9
10	Wheels	Number - front/rear (x=driven)		2x / 2	2x / 2	10
11	Mast	Maximum fork height	in (mm)	130 (3300)	130 (3300)	11
12		Mast lowered (OHL)	in (mm)	84.3 (2141)	84.3 (2141)	12
13		Mast extended with LBR	in (mm)	179.3 (4555)	179.3 (4555)	13
14		Standard freelif	in (mm)	6.3 (160)	6.3 (160)	14
15	Forks	Thickness & width	in (mm)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	15
16		Length (STD)	in (mm)	42.1 (1070)	42.1 (1070)	16
17	Tilt Angle	Standard mast - fwd/back	degree	5/11	5/11	17
18	Overall Dimensions	Length (to face of forks)	in (mm)	82.1 (2085)	87.8 (2230)	18
19		Width (standard tires)	in (mm)	44.1 (1120)	44.1 (1120)	19
20		Height - top of OHG	in (mm)	83.5 (2120)	83.5 (2120)	20
21		Height - top of standard LBR	in (mm)	48.0 (1220)	48.0 (1220)	21
22		Width - standard carriage	in (mm)	36.2 (920)	36.2 (920)	22
23	Grade Clearance	Ramp breakover angle	%	35.0	31.0	23
24		Departure angle	%	43.0	48.0	24
25	Overhang	Front	in (mm)	15.7 (400)	15.7 (400)	25
26		Rear	in (mm)	16.3 (415)	15.0 (380)	26
27	Turning Radius	Minimum outside	in (mm)	70.1 (1780)	77.6 (1970)	27
28	Min Right Angle Stack	Add load length & clearance	in (mm)	85.8 (2180)	93.3 (2370)	28
29	Speeds Maximum	Travel - loaded	mph (km/h)	9.9 (16.0)	9.9 (16.0)	29
30		Travel - unloaded	mph (km/h)	10.9 (17.5)	10.9 (17.5)	30
31		Lift - loaded	fpm (mm/sec)	76.8 (390)	76.8 (390)	31
32		Lift - unloaded	fpm (mm/sec)	126.0 (640)	126.0 (640)	32
33		Lowering - loaded	fpm (mm/sec)	98.5 (500)	98.5 (500)	33
34		Lowering - unloaded	fpm (mm/sec)	98.5 (500)	98.5 (500)	34
35	Drawbar Pull Maximum	Full load	lb (N)	3281 (14595)	3281 (14595)	35
36	Gradeability Maximum	Full load	%	19.0	19.0	36
37		Empty	%	30.0	30.0	37
38	Truck Weight	Single tire w/min. battery	lb (kg)	6880 (3120)	6935 (3145)	38
39	Weight Distribution	Front axle - empty, min. battery	lb (kg)	2778 (1260)	3131 (1420)	39
40		Rear axle - empty, min. battery	lb (kg)	4101 (1860)	3804 (1725)	40
41	Tire Size	Front	in	21x8-9-10PR	21x8-9-10PR	41
42		Rear	in	5.00-8-10PR	5.00-8-10PR	42
43	Wheelbase		in (mm)	50.0 (1270)	57.1 (1450)	43
44	Tread - Center of Tire	Front / rear (standard tires)	in (mm)	36.2 / 35.4 (920 / 900)	36.2 / 35.4 (920 / 900)	44
45	Headroom	SIP to bottom of OHG	in (mm)	40.9 (1040)	40.9 (1040)	45
46	Counterweight Height		in (mm)	38.2 (970)	38.2 (970)	46
47	Step Height		in (mm)	20.5 (520)	20.5 (520)	47
48	Ground Clearance	Under mast	in (mm)	4.3 (110)	4.3 (110)	48
49		Under power unit	in (mm)	3.7 (95)	3.7 (95)	49
50		Under frame, center of wheelbase	in (mm)	4.3 (110)	4.3 (110)	50
51	Service Brake	Type		Hyd / Elec	Hyd / Elec	51
52	Parking Brake	Type		Pedal	Pedal	52
53	Steering	On-demand		Hydraulic	Hydraulic	53
54	Traction Motor	Type		AC Induction	AC Induction	54
55		Control type		MOD-INV	MOD-INV	55
56		Rating	kW/h		9.0	9.0
57	Pump Motor	Type		AC Induction	AC Induction	57
58		Rating	kW/5min		11.0	11.0
59	Recommended Size*	W x H	in (mm)	38.58 x 18.50 (980 x 470)	38.58 x 18.50 (980 x 470)	59
60		L	in (mm)	26.37 (670)	33.66 (855)	60
61	Battery Compartment Size*	W x H - Maximum	in (mm)	38.81 x 18.50 (986 x 470)	38.81 x 18.50 (986 x 470)	61
62		L - Maximum	in (mm)	26.57 (675)	33.85 (860)	62
63	Lead acid*	Type		CF	CF	63
64		Capacity	Ah/5h		CF	CF
65	Weight	Minimum / Maximum	lb (kg)	1587 / 1962 (720 / 890)	1940 / 2447 (880 / 1110)	65
66	Lead Length	Position B	in (mm)	25 (635)	25 (635)	66
67	Connector		Type	SB-350 Gray	SB-350 Gray	67

4,000 lb. capacity

Main Truck Specifications

CHARACTERISTICS				Nissan	Nissan	
1	Manufacturer's Name			Nissan	Nissan	1
2	Model	Model designation		BXP40	BXP40L	2
3		Long model code		P1B2R20V	PG1B2L20V	3
4				Standard Wheelbase	Long Wheelbase	4
5	Rated Load Capacity		lb (kg)	4000 (2000)	4000 (2000)	5
6	Load Center	Distance	in (mm)	24 (500)	24 (500)	6
7	Power Type	Electric	voltage	48v	48v	7
8	Operator Orientation			Sit	Sit	8
9	Tire Type	Front & rear		Pneumatic	Pneumatic	9
10	Wheels	Number - front/rear (x=driven)		2x / 2	2x / 2	10
11	Mast	Maximum fork height	in (mm)	130 (3300)	130 (3300)	11
12		Mast lowered (OHL)	in (mm)	84.1 (2136)	84.1 (2136)	12
13		Mast extended with LBR	in (mm)	179.3 (4555)	179.3 (4555)	13
14		Standard freelif	in (mm)	6.3 (160)	6.3 (160)	14
15	Forks	Thickness & width	in (mm)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	15
16		Length (STD)	in (mm)	42.1 (1070)	42.1 (1070)	16
17	Tilt Angle	Standard mast - fwd/back	degree	5/11	5/11	17
18	Overall Dimensions	Length (to face of forks)	in (mm)	89.0 (2260)	96.3 (2445)	18
19		Width (standard tires)	in (mm)	45.9 (1165)	45.9 (1165)	19
20		Height - top of OHG	in (mm)	83.5 (2120)	89.6 (2275)	20
21		Height - top of standard LBR	in (mm)	48.0 (1220)	48.0 (1220)	21
22		Width - standard carriage	in (mm)	40.2 (1020)	40.2 (1020)	22
23	Grade Clearance	Ramp breakover angle	%	31.0	28.0	23
24		Departure angle	%	40.0	37.0	24
25	Overhang	Front	in (mm)	16.7 (425)	16.7 (425)	25
26		Rear	in (mm)	15.2 (385)	16.7 (425)	26
27	Turning Radius	Minimum outside	in (mm)	77.2 (1960)	84.3 (2140)	27
28	Min Right Angle Stack	Add load length & clearance	in (mm)	93.9 (2385)	101.0 (2565)	28
29	Speeds Maximum	Travel - loaded	mph (km/h)	9.3 (15.0)	9.3 (15.0)	29
30		Travel - unloaded	mph (km/h)	10.6 (17.0)	10.6 (17.0)	30
31		Lift - loaded	fpm (mm/sec)	75.8 (385)	75.8 (385)	31
32		Lift - unloaded	fpm (mm/sec)	119.1 (605)	119.1 (605)	32
33		Lowering - loaded	fpm (mm/sec)	98.5 (500)	98.5 (500)	33
34		Lowering - unloaded	fpm (mm/sec)	98.5 (500)	98.5 (500)	34
35	Drawbar Pull Maximum	Full load	lb (N)	3281 (14595)	3281 (14595)	35
36	Gradeability Maximum	Full load	%	22.0	21.0	36
37		Empty	%	35.0	33.0	37
38	Truck Weight	Single tire w/min. battery	lb (kg)	7662 (3475)	8346 (3785)	38
39	Weight Distribution	Front axle - empty, min. battery	lb (kg)	3330 (1510)	3649 (1655)	39
40		Rear axle - empty, min. battery	lb (kg)	4333 (1965)	4697 (2130)	40
41	Tire Size	Front	in	23x9-10-16PR	23x9-10-16PR	41
42		Rear	in	18x7-8-14PR	18x7-8-14PR	42
43	Wheelbase		in (mm)	57.1 (1450)	62.8 (1595)	43
44	Tread - Center of Tire	Front / rear (standard tires)	in (mm)	37.0 / 36.8 (940 / 935)	37.0 / 36.6 (940 / 930)	44
45	Headroom	SIP to bottom of OHG	in (mm)	40.9 (1040)	42.7 (1085)	45
46	Counterweight Height		in (mm)	38.2 (970)	42.5 (1080)	46
47	Step Height		in (mm)	20.5 (520)	20.5 (520)	47
48	Ground Clearance	Under mast	in (mm)	4.1 (105)	4.1 (105)	48
49		Under power unit	in (mm)	5.1 (130)	5.1 (130)	49
50		Under frame, center of wheelbase	in (mm)	4.3 (110)	4.3 (110)	50
51	Service Brake	Type		Hyd / Elec	Hyd / Elec	51
52	Parking Brake	Type		Pedal	Pedal	52
53	Steering	On-demand		Hydraulic	Hydraulic	53
54	Traction Motor	Type		AC Induction	AC Induction	54
55		Control type		MOD-INV	MOD-INV	55
56		Rating		kW/h	12.0	12.0
57	Pump Motor	Type		AC Induction	AC Induction	57
58		Rating		kW/5min	13.5	13.5
59	Recommended Size*	W x H	in (mm)	38.58 x 18.50 (980 x 470)	38.58 x 22.83 (980 x 580)	59
60		L	in (mm)	33.66 (855)	39.76 (1010)	60
61	Battery Compartment Size*	W x H - Maximum	in (mm)	38.81 x 18.50 (986 x 470)	38.81 x 22.83 (986 x 580)	61
62		L - Maximum	in (mm)	33.85 (860)	39.96 (1015)	62
63	Lead acid*	Type		CF	CF	63
64	Capacity	Ah/5h		CF	CF	64
65	Weight	Minimum / Maximum	lb (kg)	1774 / 2976 (805 / 1350)	2535 / 3747 (1150 / 1700)	65
66	Lead Length	Position B	in (mm)	25 (635)	25 (635)	66
67	Connector		Type	SB-350 Gray	SB-350 Gray	67

* Battery requires special case with latch and lockdown device. CF-Consult Factory

Main Truck Specifications

CHARACTERISTICS				Nissan	Nissan	
1	Manufacturer's Name			Nissan	Nissan	1
2	Model	Model designation		BXP50	BXP50L	2
3		Long model code		P1B2R25V	PG1B2L25V	3
4				Standard Wheelbase	Long Wheelbase	4
5	Rated Load Capacity		lb (kg)	5000 (2500)	5000 (2500)	5
6	Load Center	Distance	in (mm)	24 (500)	24 (500)	6
7	Power Type	Electric	voltage	48v	48v	7
8	Operator Orientation			Sit	Sit	8
9	Tire Type	Front & rear		Pneumatic	Pneumatic	9
10	Wheels	Number - front/rear (x=driven)		2x / 2	2x / 2	10
11	Mast	Maximum fork height	in (mm)	130 (3300)	130 (3300)	11
12		Mast lowered (OHL)	in (mm)	84.1 (2136)	84.1 (2136)	12
13		Mast extended with LBR	in (mm)	179.3 (4555)	179.3 (4555)	13
14		Standard freelif	in (mm)	6.3 (160)	6.3 (160)	14
15	Forks	Thickness & width	in (mm)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	15
16		Length (STD)	in (mm)	42.1 (1070)	42.1 (1070)	16
17	Tilt Angle	Standard mast - fwd/back	degree	5/11	5/11	17
18	Overall Dimensions	Length (to face of forks)	in (mm)	91.5 (2325)	96.3 (2445)	18
19		Width (standard tires)	in (mm)	45.9 (1165)	45.9 (1165)	19
20		Height - top of OHG	in (mm)	83.5 (2120)	89.6 (2275)	20
21		Height - top of standard LBR	in (mm)	48.0 (1220)	48.0 (1220)	21
22		Width - standard carriage	in (mm)	40.2 (1020)	40.2 (1020)	22
23	Grade Clearance	Ramp breakover angle	%	31.0	28.0	23
24		Departure angle	%	34.0	37.0	24
25	Overhang	Front	in (mm)	16.7 (425)	16.7 (425)	25
26		Rear	in (mm)	17.7 (450)	16.7 (425)	26
27	Turning Radius	Minimum outside	in (mm)	78.7 (2000)	84.3 (2140)	27
28	Min Right Angle Stack	Add load length & clearance	in (mm)	95.4 (2425)	101.0 (2565)	28
29	Speeds Maximum	Travel - loaded	mph (km/h)	9.3 (15.0)	9.3 (15.0)	29
30		Travel - unloaded	mph (km/h)	10.6 (17.0)	10.6 (17.0)	30
31		Lift - loaded	fpm (mm/sec)	67.9 (345)	67.9 (345)	31
32		Lift - unloaded	fpm (mm/sec)	119.1 (605)	119.1 (605)	32
33		Lowering - loaded	fpm (mm/sec)	98.4 (500)	98.4 (500)	33
34		Lowering - unloaded	fpm (mm/sec)	98.4 (500)	98.4 (500)	34
35	Drawbar Pull Maximum	Full load	lb (N)	3281 (14595)	3281 (14595)	35
36	Gradeability Maximum	Full load	%	19.0	19.0	36
37		Empty	%	33.0	33.0	37
38	Truck Weight	Single tire w/min. battery	lb (kg)	8423 (3820)	8346 (3785)	38
39	Weight Distribution	Front axle - empty, min. battery	lb (kg)	3274 (1485)	3649 (1655)	39
40		Rear axle - empty, min. battery	lb (kg)	5149 (2335)	4697 (2130)	40
41	Tire Size	Front	in	23x9-10-16PR	23x9-10-16PR	41
42		Rear	in	18x7-8-14PR	18x7-8-14PR	42
43	Wheelbase		in (mm)	57.1 (1450)	62.8 (1595)	43
44	Tread - Center of Tire	Front / rear (standard tires)	in (mm)	37.0 / 36.8 (940 / 935)	37.0 / 36.6 (940 / 930)	44
45	Headroom	SIP to bottom of OHG	in (mm)	40.9 (1040)	42.7 (1085)	45
46	Counterweight Height		in (mm)	38.2 (970)	42.5 (1080)	46
47	Step Height		in (mm)	20.5 (520)	20.5 (520)	47
48	Ground Clearance	Under mast	in (mm)	4.1 (105)	4.1 (105)	48
49		Under power unit	in (mm)	5.1 (130)	5.1 (130)	49
50		Under frame, center of wheelbase	in (mm)	4.3 (110)	4.3 (110)	50
51	Service Brake	Type		Hyd / Elec	Hyd / Elec	51
52	Parking Brake	Type		Pedal	Pedal	52
53	Steering	On-demand		Hydraulic	Hydraulic	53
54	Traction Motor	Type		AC Induction	AC Induction	54
55		Control type		MOD-INV	MOD-INV	55
56		Rating	kW/h		12.0	12.0
57	Pump Motor	Type		AC Induction	AC Induction	57
58		Rating	kW/5min		13.5	13.5
59	Recommended Size*	W x H	in (mm)	38.58 x 18.50 (980 x 470)	38.58 x 22.83 (980 x 580)	59
60		L	in (mm)	33.66 (855)	39.76 (1010)	60
61	Battery Compartment Size*	W x H - Maximum	in (mm)	38.81 x 18.50 (986 x 470)	38.81 x 22.83 (986 x 580)	61
62		L - Maximum	in (mm)	33.85 (860)	39.96 (1015)	62
63		Lead acid*	Type	CF	CF	63
64		Capacity	Ah/5h	CF	CF	64
65	Weight	Minimum / Maximum	lb (kg)	1973 / 2976 (895 / 1350)	2535 / 3747 (1150 / 1700)	65
66	Lead Length	Position B	in (mm)	25 (635)	25 (635)	66
67	Connector		Type	SB-350 Gray	SB-350 Gray	67

BX Platinum pneumatic series

Mast Specifications & Rated Capacities

BXP30 BXP35	Mast Name	Maximum Fork Height	Overall Height Lowered	Free Lift*	Tilt angle Forward/Backward	Rated Capacity at 24" Load Center	
						BXP30 BXP30L	BXP35 BXP35L
TWO STAGE (Wide view 2W)	2W270	106	72.4	6.3	5/11	3000	3500
	2W300	118	78.3	6.3	5/11	3000	3500
	2W330	130	84.3	6.3	5/11	3000	3500
	2W350	138	89.6	6.3	5/11	3000	3500
	2W370	146	94.5	6.3	5/11	3000	3500
	2W400	157	102.0	6.3	5/11	3000	3300
	2W450	177	111.8	6.3	5/5	2700	2800
	2W500	197	121.7	6.3	5/5	2300	2400
TWO STAGE (Full free 2F)	2F270	106	72.4	48.2	5/10	3000	3500
	2F300	118	78.3	54.1	5/10	3000	3500
	2F330	130	84.3	60.0	5/10	3000	3500
	2F350	138	89.6	65.4	5/10	3000	3500
	2F370	146	94.5	70.3	5/10	3000	3500
	2F400	157	102.0	77.8	5/10	3000	3300
THREE STAGE (Full free 3F)	3F385	152	72.4	40.9	5/5	3000	3300
	3F430	169	78.3	46.9	5/5	2800	3100
	3F475	187	84.3	52.7	5/5	2600	2700
	3F515	203	89.6	58.1	5/5	2100	2200
	3F550	217	94.5	63.0	5/5	1700	1700
	3F600	236	102.0	70.5	5/5	1300	1300

* Without backrest

BXP40 BXP50	Mast Name	Maximum Fork Height	Overall Height Lowered	Free Lift*	Tilt angle Forward/Backward	Rated Capacity at 24" Load Center	
						BXP40 BXP40L	BXP50 BXP50L
TWO STAGE (Wide view 2W)	2W270	106	72.2	6.3	5/11	4000	5000
	2W300	118	78.1	6.3	5/11	4000	5000
	2W330	130	84.1	6.3	5/11	4000	5000
	2W350	138	89.4	6.3	5/11	4000	5000
	2W370	146	94.3	6.3	5/11	4000	5000
	2W400	157	101.8	6.3	5/11	4000	5000
	2W450	177	111.6	6.3	5/5	3600	4300
	2W500	197	121.5	6.3	5/5	3000	3600
TWO STAGE (Full free 2F)	2F270	106	72.2	48.4	5/10	4000	5000
	2F300	118	78.1	54.3	5/10	4000	5000
	2F330	130	84.1	60.2	5/10	4000	5000
	2F350	138	89.4	65.6	5/10	4000	5000
	2F370	146	94.3	70.5	5/10	4000	5000
	2F400	157	101.8	78.0	5/10	4000	5000
THREE STAGE (Full free 3F)	3F385	152	72.2	50.0	5/5	4000	5000
	3F430	169	78.1	55.9	5/5	3800	4800
	3F475	187	84.1	61.8	5/5	3500	4300
	3F515	203	89.4	67.1	5/5	3000	3200
	3F550	217	94.3	72.0	5/5	2200	2500
	3F600	236	101.8	79.5	5/5	1400	1800

* Without backrest

For 2-stage Full Free (2F) masts, add 1.5" to free lift for BXP50/BXP50L on 2F300 - 2F400 masts.

Technical Information 4-wheel AC-powered models

Technical Information

Standard Equipment

- 48-volt electrical system
- 100% brushless AC-drive, lift and steering systems
- Nissan AC TECH controller works in conjunction with built-in test equipment and multifunction LCD display to provide on-board diagnostics, self-test and service history
- Flex-Logic Acceleration Control
- AC-powered hydraulic pump motor and drive motor
- Load sensing on-demand AC controlled hydraulic power steering
- Three pre-set standard performance modes for economy, normal and high performance, along with a manual setting, allows complete application and performance flexibility.
- U.L. "E" rated electrical system
- Nissan's Safety System includes seat-actuated power interrupt system, seat belt warning buzzer, and parking brake warning buzzer
- Cushioned stability control
- Secure, pin number access to personalized performance settings
- Exclusive single lift and tilt control lever provides greater opportunity for increased productivity
- Five-mode regenerative braking system
- Controlled rollback feature reduces truck descent speed while on incline
- Infinitely adjustable steer column with small diameter steering wheel
- Full suspension, fold down vinyl seat with operator restraint system and emergency locking retractor seat belt
- Audible back-up warning alarm
- Overhead guard mounted headlights
- Five-piece reinforced overhead guard
- Auto-Power off
- Foot operated parking brake

Optional Equipment

- Standard or polished and tapered forks in a variety of lengths
- Single or dual IHR for all mast types

- Separate lift and tilt control levers
- Hydraulic accumulator in the lift system
- Dual, solid, or dual solid pneumatic tires
- Magnetic convenience tray
- Rearview mirrors
- Steering wheel spinner knob
- Turn, stop and backup lights
- Rear work light
- Strobe light
- Fire extinguisher
- Polycarbonate rain guard
- Cloth, full suspension seat

Operator Enhanced Comfort and Productivity

The BX Platinum Series offers a variety of operator conveniences for enhanced comfort and increased productivity, including a full suspension vinyl seat with weight and back-angle adjustment, hip restraint and retractable seat belt. A compact front cowl design offers generous leg and foot room along with a wide entry step. Its infinitely adjustable steering column enhances operator comfort. The BX Platinum Series' AC TECH controller offers Flex-logic acceleration control which enables the truck to respond according to the speed with which the pedal is depressed, allowing more accurate, precise control by the driver. The hydraulic, AC powered, steering system reduces operator effort, for easier maneuvering, while a hydraulic load sensing valve diverts fluid for priority to the steering system. The standard, Nissan exclusive, single lift/tilt control lever design offers enhanced ergonomics and improved productivity. Dual lift and tilt lever, cowl mounted hydraulic controls are optional. The LCD dash display visibly communicates truck status and warnings for operator awareness including: travel speed, battery capacity, hour meter (4-mode), time and day of week, brake warning, seat belt warning, and selected power mode. The BX Platinum Series' Safety System includes: Mast Lock (automatically locking mast lift and tilt when the operator leaves the seat),

Cushioned Stability Control (incorporates a maintenance-free rubber damper between the rear axle and body to enhance lateral stability under normal driving conditions), and Controlled Rollback (reducing quick truck movement down a gradient, when the accelerator is released).

Features for Increased Efficiency

The BX Platinum Series' AC TECH controller provides lower battery consumption and optimum operating efficiencies through regenerative braking, automatic deceleration, and on-demand power steering. Five-mode regenerative braking system increases the number of working hours per battery charge. An adjustable auto-power off feature will switch off the electrical system if the truck sits idle for a predetermined time period. A four-digit PIN code offers access to adjustable performance settings, allowing up to five unique operational profiles according to driver experience and load handling conditions. Or, select from three preset performance modes (economy, normal, high) based on the application. If additional flexibility is needed you can manually adjust settings to meet application needs.

Battery and Electrical

Available with an "E" rated 48-volt electrical system. The AC TECH motor controller features a MOS-FET power inverter for DC to three phase AC power conversion. Single contactor design reduces maintenance.

Brake System

Regenerative braking is achieved through switch-back/plugging, foot applied braking, neutral braking, controlled roll back and lift lever stopping. Reduced height brake pedal improves the ease of operation and reduces operator fatigue. Automatic programmable deceleration prolongs brake life. An automotive feel and lower operating force are realized by a foot-actuated parking brake, with lock release button located on the cowl within easy reach.

Truck and Mast Design

The BX Platinum Series' rugged, unitized frame design incorporates an integral hydraulic tank for better heat dissipation, increased durability, and longer life. Contoured counterweight design enhances maneuverability. Five-piece reinforced overhead guard design allows easy replacement should individual parts become damaged. Slotted design facilitates overhead battery replacement. Nissan's flat face mast design features rolled steel channels, large cross sections, and thick inner rails for increased capacity retention. Side thrust rollers on the fork carriage are easily accessed for carriage adjustment.

Drive Unit

Free floating drive axle with lateral mounted AC drive motor offers more power and quicker response. Quieter, more efficient helical gearing reduces noise levels and increases durability. Service brakes are standard shoe type.

Hydraulics

Powerful AC hydraulic pump motor powers lift and tilt operation as well as the on-demand power steering system.

Reduced Maintenance

The BX Platinum Series features a 100% AC-powered system, including brushless drive motor and hydraulic pump motor. On-demand steering achieved through priority hydraulic load sensing valve, eliminating use of a separate steering motor. The design greatly reduces the number of serviceable parts, including commutators, contactors, and brushes; eliminating expenses related to inspection and replacement of these items, for lower overall operating costs. The AC TECH controller includes a built-in-test-equipment module with self-diagnostics and coded service history, logged by hour meter reading. Troubleshooting through the instrument panel allows rapid access to service requirements. Hydraulic oil tank filler location makes daily level checks and periodic refills fast and simple.

Nissan Forklift Corporation reserves the right to make product changes relating to colors, equipment or specifications without notice. For more information, contact your Nissan Forklift representative.

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