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**NISSAN**  
FORKLIFT

# Platinum Series

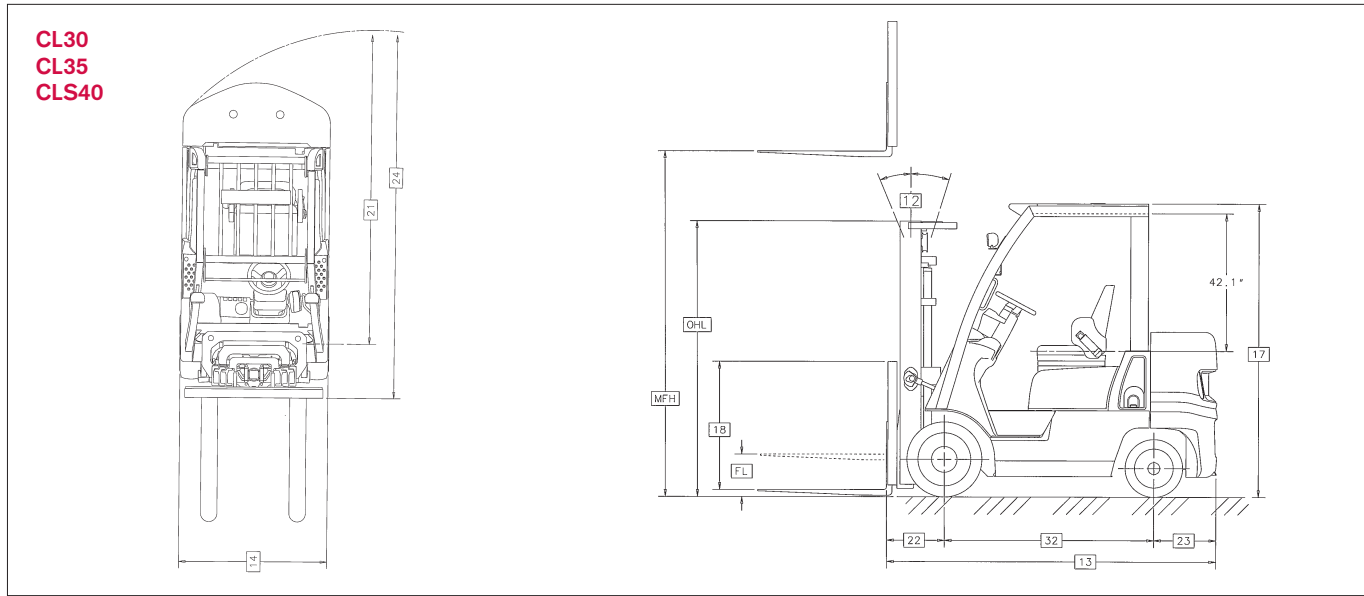
Cushion Tire / Engine Powered Models / LPG, Gasoline, Dual Fuel

**3,000 – 8,000 lb.**  
Capacities



# Platinum cushion series

## Dimensions



## Mast Specifications & Rated Capacities

	Mast Name	Maximum Fork Height	Overall Height Lowered	Free Lift	Tilt Angle Forward/Backward	Rated Capacity at 24" Load Center		
						CL30	CL35	CLS40
<b>TWO STAGE</b> (Wide view 2W)	2W203T	81.5	60	5.5	10/5	3000	3500	4000
	2H270	106	71.1	9	5/10	3000	3500	4000
	2H300	118	77	9	5/10	3000	3500	4000
	2H330	130	82.9	9	5/10	3000	3500	4000
	2H350	138	88.2	9	5/10	3000	3500	4000
	2H370	146	93.1	9	5/10	3000	3500	4000
	2H400	157	100.6	12.6	5/10	3000	3500	3950
	2H450	177	110.4	12.6	5/5	2900	2700	2950
2H500	197	120.3	12.6	5/5	1600	1400	1700	
<b>TWO STAGE</b> (Full free 2F)	2F270	105.5	72	47.4	5/10	3000	3500	4000
	2F300	117.5	78	53.4	5/10	3000	3500	4000
	2F330	129.5	84	59.4	5/10	3000	3500	4000
	2F350	137.5	88	63.4	5/10	3000	3500	4000
	2F370	145.5	92	67.4	5/10	3000	3500	3950
	2F400	157.5	98	73.4	5/10	2950	3450	3800
<b>THREE STAGE</b> (Full free 3F)	3F385	152	71.1	46.9	5/5	2950	3450	3900
	3F430	169	77	52.8	5/5	2850	3350	3800
	3F475	187	82.9	58.7	5/5	2750	3200	3650
	3F515	203	88.2	64	5/5	2650	3100	3200
	3F550	217	93.1	68.9	5/5	2550	2450	2000
	3F600	236	100.6	76.4	5/5	1650	1200	900
	3F650	256	110.5	86.2	5/5	900	500	200
<b>THREE STAGE</b> Optiview (3V)	3V360	142	71.1	47.6	5/5	2900	3400	3850
	3V405	159	77	53.5	5/5	2850	3350	3750
	3V450	177	82.9	59.4	5/5	2750	3200	3650
	3V490	193	88.2	64.8	5/5	2650	3100	3300
	3V525	207	93.1	69.7	5/5	2550	2450	2400
	3V575	226	100.6	77.2	5/5	1650	1200	1100
	3V633	249	110.5	87.0	5/5	900	800	600

# 3,000 / 3,500 / 4,000 lb. capacities

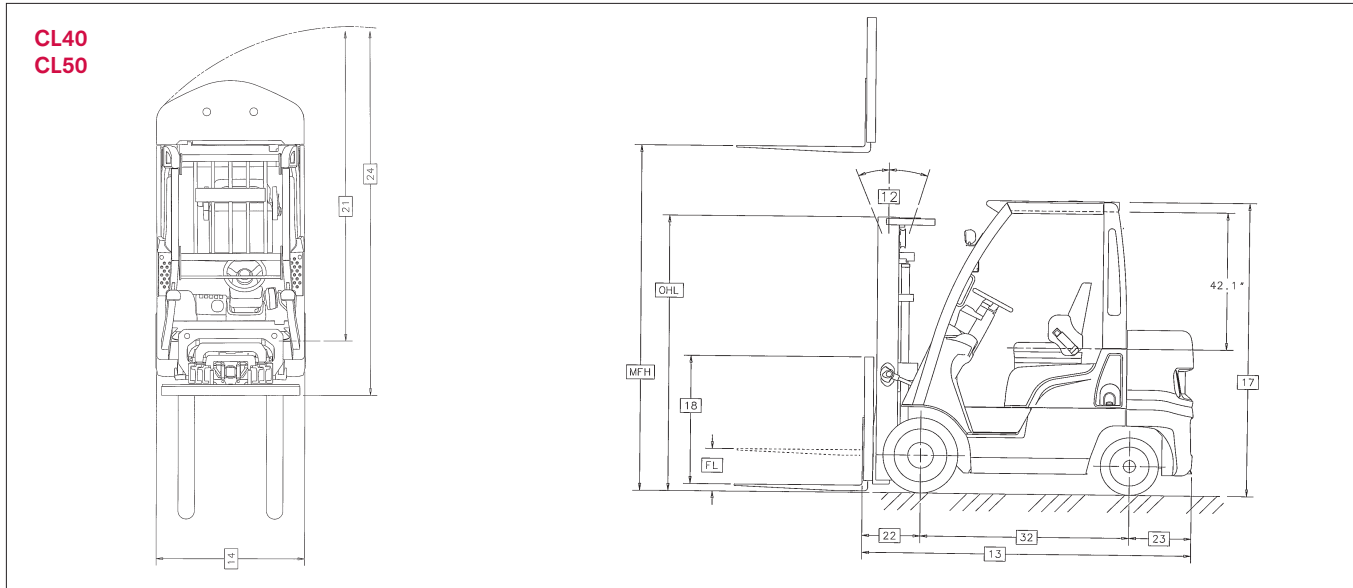
## Main Truck Specifications

				Nissan	Nissan	Nissan		
CHARACTERISTICS	1	Manufacturer's Name		Nissan	Nissan	Nissan	1	
	2	Model	Model designation	CL30	CL35	CLS40	2	
			Long model code	MCPL01A15JV	MCPL01A18JV	MCPL01A20JV		
				MCPL01A15LV	MCPL01A18LV	MCPL01A20LV		
	3	Rated Load Capacity	lb (kg)	3000 (1500)	3500 (1750)	4000 (2000)	3	
	4	Load Center	Distance	in (mm)	24 (500)	24 (500)	24 (500)	4
5	Power Type			Gas - LPG	Gas - LPG	Gas - LPG	5	
6	Operator Orientation			Sit	Sit	Sit	6	
DIMENSIONS	7	Tire Type	Front & rear	Cushion	Cushion	Cushion	7	
	8	Wheels	Number (x=driven) front/rear	2 x / 2	2 x / 2	2 x / 2	8	
	9	Mast	Maximum fork height	in (mm)	130 (3300)	130 (3300)	130 (3300)	9
			Standard freelif	in (mm)	9 (229)	9 (229)	9 (229)	10
	11	Forks	Thickness & width	in (mm)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	11
			Length (STD)	in (mm)	42 (1070)	42 (1070)	42 (1070)	
	12	Tilt Angle	Standard mast - fwd/back	degree	5 / 10	5 / 10	5 / 10	12
	13	Overall Dimensions	Length (to face of forks)	in (mm)	81.5 (2070)	82.7 (2100)	86.4 (2195)	13
			Width (standard tires)	in (mm)	38.2 (970)	38.2 (970)	38.2 (970)	14
			Mast lowered (OHL)	in (mm)	82.9 (2105)	82.9 (2105)	82.9 (2105)	15
			Mast extended with LBR	in (mm)	179.3 (4555)	179.3 (4555)	179.3 (4555)	16
			Height - top of OHG	in (mm)	81.1 (2060)	81.1 (2060)	81.1 (2060)	17
			Height - top of standard LBR	in (mm)	48 (1220)	48 (1220)	48 (1220)	18
	20	Grade Clearance	Width - standard carriage	in (mm)	32.4 (823)	32.4 (823)	32.4 (823)	19
			Ramp breakover angle	tan (%)	43	43	43	20
			Departure angle	tan (%)	35	30	28	
			Approach angle	tan (%)	26	26	26	
	21	Turning Radius	Minimum outside	in (mm)	68.3 (1735)	69.5 (1765)	70.9 (1800)	21
	22	Overhang	Front	in (mm)	15 (380)	15 (380)	15 (380)	22
Rear			in (mm)	19.7 (500)	20.9 (530)	22.2 (565)	23	
24	Min Right Angle Stack	Add load length & clearance	in (mm)	83.1 (2110)	84.3 (2140)	87.6 (2225)	24	
PERFORMANCE	25	Speeds Maximum	Travel - forward or reverse	mph (kmh)	10.9 (17.5)	10.9 (17.5)	10.9 (17.5)	25
			Lift - full/empty	fpm (mm/sec)	122/127.9 (620/650)	122/127.9 (620/650)	122/127.9 (620/650)	26
			Lowering - full/empty	fpm (mm/sec)	98.4 (500)	98.4 (500)	98.4 (500)	
	27	Drawbar Pull Maximum	LPG or Gasoline - full/empty	lb (kg)	3417/1543 (1550/700)	3417/1543 (1550/700)	3417/1543 (1550/700)	27
28	Gradeability Max (1.2 mph)	LPG or Gasoline - full/empty	tan (%)	38 / 20	38 / 18	38 / 16	28	
29	Truck Weight	Standard truck - no load	lb (kg)	5952 (2700)	6393 (2900)	6812 (3090)	29	
WEIGHT	30	Weight Distribution	Front axle - empty	lb (kg)	2149 (975)	1995 (905)	1830 (830)	30
			Rear axle - empty	lb (kg)	3803 (1725)	4398 (1995)	4982 (2260)	
			Front axle - with rated load	lb (kg)	7639 (3465)	8399 (3810)	9149 (4150)	
			Rear axle - with rated load	lb (kg)	1312 (595)	1499 (680)	1653 (750)	
CHASSIS & WHEELS	31	Tire Size	Front	in	18 x 6 x 12.13	18 x 6 x 12.13	18 x 6 x 12.13	31
			Rear	in	14 x 5 x 10	14 x 5 x 10	14 x 5 x 10	
	32	Wheelbase		in (mm)	46.9 (1190)	46.9 (1190)	46.9 (1190)	32
	33	Tread - Center of Tire	Front / rear	in (mm)	32.3 (820)	32.3 (820)	32.3 (820)	33
			Headroom	SIP to bottom of OHG	in (mm)	42.1 (1070)	42.1 (1070)	42.1 (1070)
		Counterweight Height		in (mm)	45.3 (1150)	45.1 (1145)	45.1 (1145)	
		Step Height		in (mm)	17.1 (435)	17.1 (435)	17.1 (435)	
	34	Ground Clearance	Under mast	in (mm)	3.0 (75)	3.0 (75)	3.0 (75)	34
			Under power unit	in (mm)	2.6 (65)	2.6 (65)	2.6 (65)	
			Under frame (WB center)	in (mm)	4.3 (110)	4.3 (110)	4.3 (110)	
35	Service Brake	Type		Drum and Shoe	Drum and Shoe	Drum and Shoe	35	
36	Parking Brake	Type		Hand	Hand	Hand	36	
37	Steering	Type		Full Hydraulic	Full Hydraulic	Full Hydraulic	37	
DRIVE LINE	38	Engine	Manufacturer/Model		Nissan K21	Nissan K21	Nissan K21	38
			Rated Output	SAE gross/JIS - LPG or Gas	hp/rpm (PS/rpm)	55/2700 (55.7/2700)	55/2700 (55.7/2700)	55/2700 (55.7/2700)
		Rated Torque	SAE gross/JIS - LPG or Gas	ft-lb/rpm (kg-m/rpm)	119/1600 (16.4/1600)	119/1600 (16.4/1600)	119/1600 (16.4/1600)	
		Displacement		cu in (cm) <sup>3</sup>	126 (2065)	126 (2065)	126 (2065)	
	39	Transmission	Type		Automatic	Automatic	Automatic	39
		Number speeds - fwd/rev		1/1	1/1	1/1		

\*Calculations not representative of maximum gradeability values.

# Platinum cushion series

## Dimensions



## Mast Specifications & Rated Capacities

	Mast Name	Maximum Fork Height	Overall Height Lowered	Free Lift	Tilt Angle Forward/Backward	Rated Capacity at 24" Load Center	
						CL40	CL50
TWO STAGE (Wide view 2W)	2W203T	81.5	60	5.5	10/5	4000	5000
	2H270	106	71.3	8.5	5/10	4000	5000
	2H300	118	77.2	8.5	5/10	4000	5000
	2H330	130	83.1	8.5	5/10	4000	5000
	2H350	138	88.4	8.5	5/10	4000	5000
	2H370	146	93.3	8.5	5/10	4000	5000
	2H400	157	100.8	12	5/10	4000	5000
	2H450	177	110.6	12	5/5	3850	4850
	2H500	197	120.5	12	5/5	3700	4650
TWO STAGE (Full free 2F)	2F270	105.5	72	47.4	5/10	4000	5000
	2F300	117.5	78	53.4	5/10	4000	5000
	2F330	129.5	84	59.4	5/10	4000	5000
	2F350	137.5	88	63.4	5/10	4000	5000
	2F370	145.5	92	67.4	5/10	4000	5000
	2F400	157.5	98	73.4	5/10	3900	4950
THREE STAGE (Full free 3F)	3F385	152	71.3	46.9	5/5	4000	5000
	3F430	169	77.2	52.8	5/5	3850	4850
	3F475	187	83.1	58.7	5/5	3700	4700
	3F515	203	88.4	64.0	5/5	3600	4550
	3F550	217	93.3	68.9	5/5	3400	4000
	3F600	236	100.8	76.4	5/5	2700	3000
	3F650	256	110.6	86.2	5/5	2000	2300
	3F700	276	120.5	96.1	5/5	1000	1200
THREE STAGE Optiview (3V)	3V360	142	71.3	47.8	5/5	3850	4800
	3V405	159	77.2	53.7	5/5	3850	4750
	3V450	177	83.1	59.6	5/5	3700	4700
	3V490	193	88.4	64.9	5/5	3600	4550
	3V525	207	93.3	69.8	5/5	3400	4000
	3V575	226	100.8	77.3	5/5	2700	3000
	3V633	249	110.6	87.2	5/5	2200	2300
	3V688	271	120.5	97.0	5/5	1200	1300

# 4,000 / 5,000 lb. capacities (2.1 Liter Engine)

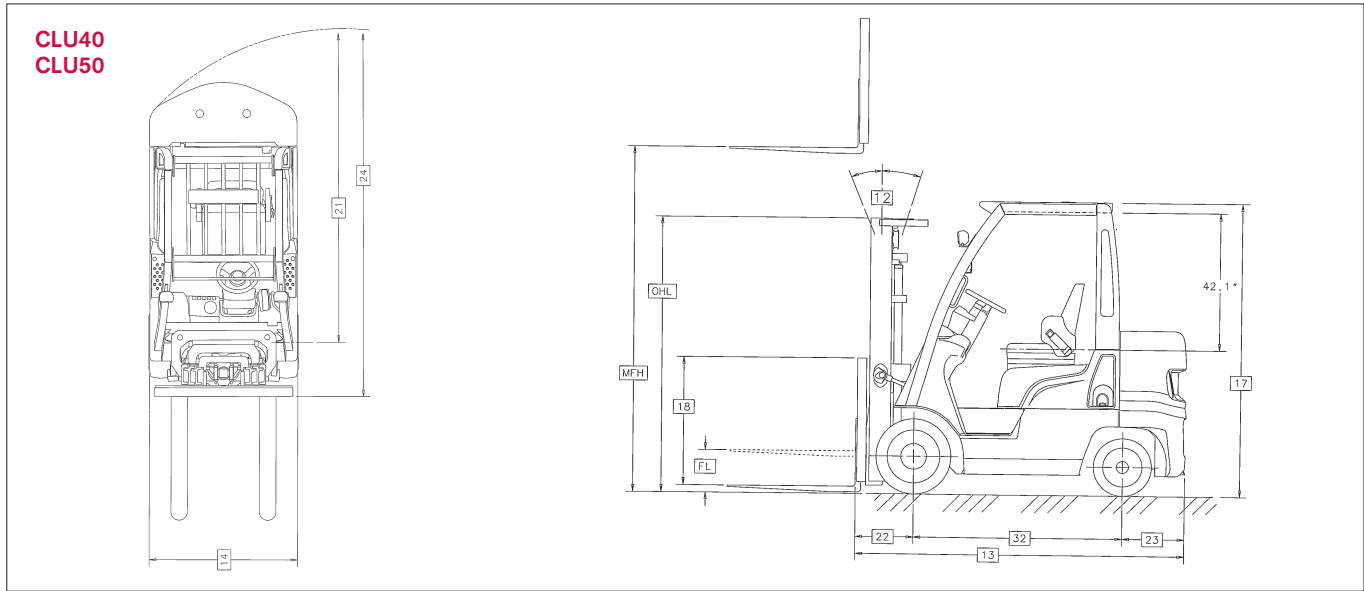
## Main Truck Specifications

				Nissan	Nissan				
CHARACTERISTICS	1	Manufacturer's Name		Nissan	Nissan	1			
	2	Model	Model designation	CL40	CL50	2			
			Long model code	MCPL02A20JV / LV	MCPL02A25JV / LV				
	3	Rated Load Capacity		lb (kg)	4000 (2000)	5000 (2500)	3		
	4	Load Center	Distance		in (mm)	24 (500)	24 (500)	4	
	5	Power Type			Gas - LPG	Gas - LPG	5		
6	Operator Orientation			Sit	Sit	6			
DIMENSIONS	7	Tire Type	Front & rear		Cushion	Cushion	7		
	8	Wheels	Number (x=driven) front/rear		2 x / 2	2 x / 2	8		
	9	Mast	Maximum fork height		in (mm)	130 (3300)	130 (3300)	9	
			Standard freelif		in (mm)	8.5 (216)	8.5 (216)	10	
	11	Forks	Thickness & width		in (mm)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	11	
			Length (STD)		in (mm)	42 (1070)	42 (1070)		
	12	Tilt Angle	Standard mast - fwd/back		degree	5/10	5/10	12	
	13	Overall Dimensions	Length (to face of forks)		in (mm)	89 (2260)	91.3 (2320)	13	
			Width (standard tires)		in (mm)	42.1 (1070)	42.1 (1070)	14	
			Mast lowered (OHL)		in (mm)	83.1 (2110)	83.1 (2110)	15	
			Mast extended with LBR		in (mm)	179.3 (4555)	179.3 (4555)	16	
			Height - top of OHG		in (mm)	82.1 (2085)	82.1 (2085)	17	
			Height - top of standard LBR		in (mm)	48 (1220)	48 (1220)	18	
			Width - standard carriage		in (mm)	36.2 (920)	36.2 (920)	19	
	20	Grade Clearance	Ramp breakover angle		tan (%)	42	42	20	
			Departure angle		tan (%)	34	30		
			Approach angle		tan (%)	29	26		
	21	Turning Radius	Minimum outside		in (mm)	76 (1930)	78.3 (1990)	21	
	22	Overhang	Front		in (mm)	16.1 (410)	16.1 (410)	22	
Rear				in (mm)	17.7 (450)	20.1 (510)	23		
24	Min Right Angle Stack	Add load length & clearance		in (mm)	91.5 (2325)	93.7 (2380)	24		
PERFORMANCE	25	Speeds Maximum	Travel - forward or reverse		mph (kmh)	10.6 (17)	10.6 (17)	25	
			Lift - full/empty		fpm (mm/sec)	118.1/127.9 (600/650)	118.1/127.9 (600/650)	26	
			Lowering - full/empty		fpm (mm/sec)	98.4 (500)	98.4 (500)		
	27	Drawbar Pull Maximum	LPG or Gasoline - full		lb (kg)	3638 (1650)	3638 (1650)	27	
LPG or Gasoline - empty				lb (kg)	1870 (850)	1764 (800)			
28	Gradeability Max (1.2 mph)	LPG or Gasoline - full/empty		tan (%)	33 / 21	28 / 16	28		
WEIGHT	29	Truck Weight	Standard truck - no load		lb (kg)	7121 (3230)	7936 (3600)	29	
	30	Weight Distribution	Front axle - empty		lb (kg)	2778 (1260)	2557 (1160)	30	
			Rear axle - empty		lb (kg)	4343 (1970)	5379 (2440)		
			Front axle - with rated load		lb (kg)	9700 (4400)	11199 (5080)		
Rear axle - with rated load				lb (kg)	1422 (645)	1731 (785)			
CHASSIS & WHEELS	31	Tire Size	Front		in	21 x 7 x 15	21 x 7 x 15	31	
			Rear		in	16.25 x 6 x 11.25	16.25 x 6 x 11.25		
	32	Wheelbase		in (mm)	55.1 (1400)	55.1 (1400)	32		
	33	Tread - Center of Tire	Front / rear		in (mm)	35 (890)	35 (890)	33	
			Headroom	SIP to bottom of OHG		in (mm)	42.1 (1070)	42.1 (1070)	
			Counterweight Height		in (mm)	45.9 (1165)	45.9 (1165)		
			Step Height		in (mm)	16.5 (420)	16.5 (420)		
			34	Ground Clearance	Under mast		in (mm)	3.1 (80)	3.1 (80)
	Under power unit				in (mm)	4.1 (105)	4.1 (105)		
	Under frame (WB center)				in (mm)	5.1 (130)	5.1 (130)		
	35	Service Brake	Type			Drum and Shoe	Drum and Shoe	35	
36	Parking Brake	Type			Hand	Hand	36		
37	Steering	Type			Full Hydraulic	Full Hydraulic	37		
DRIVE LINE	38	Engine	Manufacturer / Model			Nissan K21	Nissan K21	38	
		Rated Output	SAE gross/JIS - LPG or Gas		hp/rpm (PS/rpm)	55/2700 (55.7/2700)	55/2700 (55.7/2700)		
			Rated Torque	SAE gross/JIS - LPG or Gas		ft-lb/rpm (kg-m/rpm)	119/1600 (16.4/1600)	119/1600 (16.4/1600)	
		Displacement	K21 - 2.1 liter		cu in (cm) <sup>3</sup>	126 (2065)	126 (2065)		
	39	Transmission	Type			Automatic	Automatic	39	
		Number speeds - fwd/rev			1/1	1/1			

\*Calculations not representative of maximum gradeability values.

# Platinum cushion series

## Dimensions



## Mast Specifications & Rated Capacities

CLU40 CLU50	Mast Name	Maximum Fork Height	Overall Height Lowered	Free Lift	Tilt Angle Forward/Backward	Rated Capacity at 24" Load Center	
						CLU40	CLU50
TWO STAGE (Wide view 2W)	2W203T	81.5	60	5.5	10/5	4000	5000
	2H270	106	71.3	8.5	5/10	4000	5000
	2H300	118	77.2	8.5	5/10	4000	5000
	2H330	130	83.1	8.5	5/10	4000	5000
	2H350	138	88.4	8.5	5/10	4000	5000
	2H370	146	93.3	8.5	5/10	4000	5000
	2H400	157	100.8	12	5/10	4000	5000
	2H450	177	110.6	12	5/5	3850	4850
2H500	197	120.5	12	5/5	3700	4650	
TWO STAGE (Full free 2F)	2F270	105.5	72	47.4	5/10	4000	5000
	2F300	117.5	78	53.4	5/10	4000	5000
	2F330	129.5	84	59.4	5/10	4000	5000
	2F350	137.5	88	63.4	5/10	4000	5000
	2F370	145.5	92	67.4	5/10	4000	5000
	2F400	157.5	98	73.4	5/10	3900	4950
THREE STAGE (Full free 3F)	3F385	152	71.3	46.9	5/5	4000	5000
	3F430	169	77.2	52.8	5/5	3850	4850
	3F475	187	83.1	58.7	5/5	3700	4700
	3F515	203	88.4	64.0	5/5	3600	4550
	3F550	217	93.3	68.9	5/5	3400	4000
	3F600	236	100.8	76.4	5/5	2700	3000
	3F650	256	110.6	86.2	5/5	2000	2300
	3F700	276	120.5	96.1	5/5	1000	1200
THREE STAGE Optiview (3V)	3V360	142	71.3	47.8	5/5	3850	4800
	3V405	159	77.2	53.7	5/5	3850	4750
	3V450	177	83.1	59.6	5/5	3700	4700
	3V490	193	88.4	64.9	5/5	3600	4550
	3V525	207	93.3	69.8	5/5	3400	4000
	3V575	226	100.8	77.3	5/5	2700	3000
	3V633	249	110.6	87.2	5/5	2200	2300
	3V688	271	120.5	97.0	5/5	1200	1300

# 4,000 / 5,000 lb. capacities (2.5 Liter Engine)

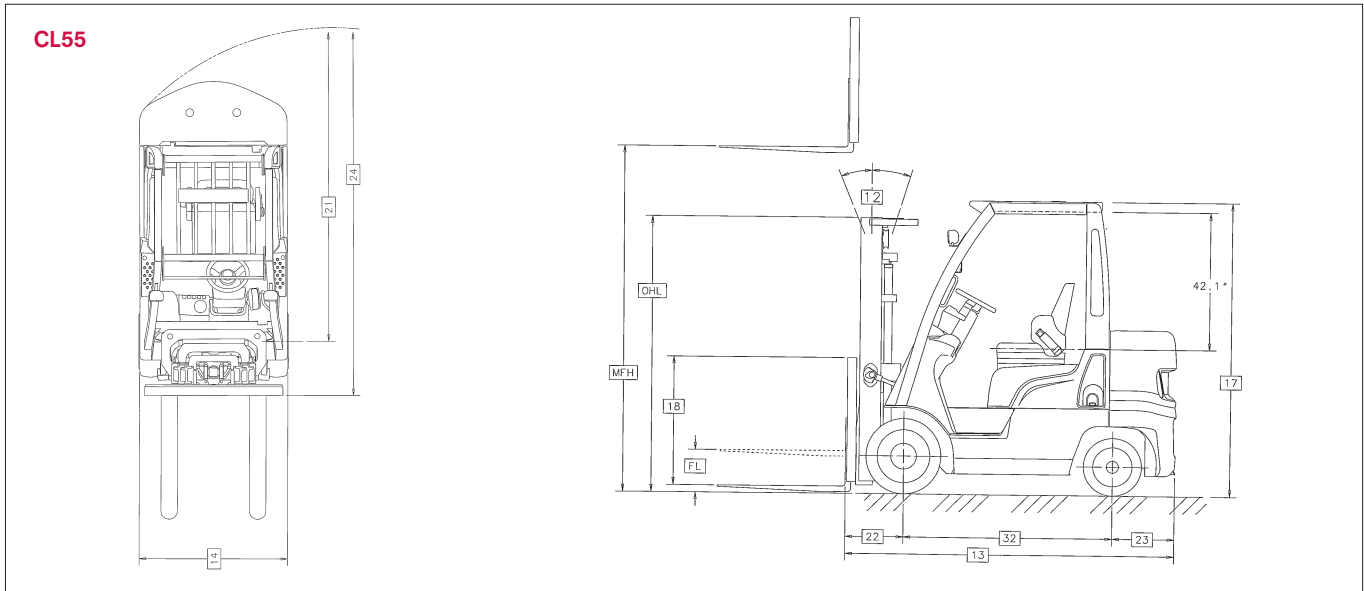
## Main Truck Specifications

				Nissan	Nissan			
CHARACTERISTICS	1	Manufacturer's Name		Nissan	Nissan	1		
	2	Model	Model designation	CLU40	CLU50	2		
			Long model code	MCUL02A20JV / LV	MCUL02A25JV / LV			
	3	Rated Load Capacity		lb (kg)	4000 (2000)	5000 (2500)	3	
	4	Load Center	Distance		in (mm)	24 (500)	24 (500)	4
	5	Power Type			Gas - LPG	Gas - LPG	5	
6	Operator Orientation			Sit	Sit	6		
DIMENSIONS	7	Tire Type	Front & rear		Cushion	Cushion	7	
	8	Wheels	Number (x=driven) front/rear		2 x / 2	2 x / 2	8	
	9	Mast	Maximum fork height		in (mm)	130 (3300)	130 (3300)	9
			Standard freelif		in (mm)	8.5 (216)	8.5 (216)	10
	11	Forks	Thickness & width		in (mm)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	11
			Length (STD)		in (mm)	42 (1070)	42 (1070)	
	12	Tilt Angle	Standard mast - fwd/back	degree	5/10	5/10	12	
	13	Overall Dimensions	Length (to face of forks)		in (mm)	89 (2260)	91.3 (2320)	13
			Width (standard tires)		in (mm)	42.1 (1070)	42.1 (1070)	14
			Mast lowered (OHL)		in (mm)	83.1 (2110)	83.1 (2110)	15
			Mast extended with LBR		in (mm)	179.3 (4555)	179.3 (4555)	16
			Height - top of OHG		in (mm)	82.1 (2085)	82.1 (2085)	17
			Height - top of standard LBR		in (mm)	48 (1220)	48 (1220)	18
	20	Grade Clearance	Ramp breakover angle		tan (%)	42	42	20
			Departure angle		tan (%)	34	30	
			Approach angle		tan (%)	29	26	
	21	Turning Radius	Minimum outside		in (mm)	76 (1930)	78.3 (1990)	21
	22	Overhang	Front		in (mm)	16.1 (410)	16.1 (410)	22
			Rear		in (mm)	17.7 (450)	20.1 (510)	23
24	Min Right Angle Stack	Add load length & clearance		in (mm)	91.5 (2325)	93.7 (2380)	24	
PERFORMANCE	25	Speeds Maximum	Travel - forward or reverse		mph (kmh)	10.6 (17)	10.6 (17)	25
			Lift - full/empty		fpm (mm/sec)	129.9/137.8 (660/700)	129.9/137.8 (660/700)	26
			Lowering - full/empty		fpm (mm/sec)	98.4 (500)	98.4 (500)	
	27	Drawbar Pull Maximum	LPG or Gasoline - full		lb (kg)	4189 (1900)	4189 (1900)	27
LPG or Gasoline - empty				lb (kg)	1870 (850)	1764 (800)		
28	Gradeability Max (1.2 mph)	LPG or Gasoline - full/empty		tan (%)	39 / 21	33 / 16	28	
WEIGHT	29	Truck Weight	Standard truck - no load		lb (kg)	7121 (3230)	7936 (3600)	29
	30	Weight Distribution	Front axle - empty		lb (kg)	2778 (1260)	2557 (1160)	30
			Rear axle - empty		lb (kg)	4343 (1970)	5379 (2440)	
			Front axle - with rated load		lb (kg)	9700 (4400)	11199 (5080)	
Rear axle - with rated load				lb (kg)	1422 (645)	1731 (785)		
CHASSIS & WHEELS	31	Tire Size	Front		in	21 x 7 x 15	21 x 7 x 15	31
			Rear		in	16.25 x 6 x 11.25	16.25 x 6 x 11.25	
	32	Wheelbase		in (mm)	55.1 (1400)	55.1 (1400)	32	
	33	Tread - Center of Tire	Front / rear		in (mm)	35 (890)	35 (890)	33
			Headroom	SIP to bottom of OHG	in (mm)	42.1 (1070)	42.1 (1070)	
		Counterweight Height		in (mm)	45.9 (1165)	45.9 (1165)		
		Step Height		in (mm)	16.5 (420)	16.5 (420)		
	34	Ground Clearance	Under mast		in (mm)	3.1 (80)	3.1 (80)	34
			Under power unit		in (mm)	4.1 (105)	4.1 (105)	
			Under frame (WB center)		in (mm)	5.1 (130)	5.1 (130)	
	35	Service Brake	Type			Drum and Shoe	Drum and Shoe	35
36	Parking Brake	Type			Hand	Hand	36	
37	Steering	Type			Full Hydraulic	Full Hydraulic	37	
DRIVE LINE	38	Engine	Manufacturer / Model			Nissan K25	Nissan K25	38
		Rated Output	SAE gross/JIS - LPG or Gas	hp/rpm (PS/rpm)	60.3/2700 (61.2/2700)	60.3/2700 (61.2/2700)		
		Rated Torque	SAE gross/JIS - LPG or Gas	ft-lb/rpm (kg-m/rpm)	142/1600 (19.7/1600)	142/1600 (19.7/1600)		
		Displacement	K25 - 2.5 liter	cu in (cm) <sup>3</sup>	151.8 (2488)	151.8 (2488)		
	39	Transmission	Type			Automatic	Automatic	39
		Number speeds - fwd/rev			1/1	1/1		

\*Calculations not representative of maximum gradeability values.

# Platinum cushion series

## Dimensions



## Mast Specifications & Rated Capacities

CL55	Mast Name	Maximum Fork Height	Overall Height Lowered	Free Lift	Tilt Angle Forward/Backward	Rated Capacity at 24" Load Center
TWO STAGE (Wide view 2W)	2H270	106	71.3	7.8	5/10	5500
	2H300	118	77.2	7.8	5/10	5500
	2H330	130	83.1	7.8	5/10	5500
	2H350	138	88.4	7.8	5/10	5500
	2H370	146	93.3	11.3	5/10	5500
	2H400	157	100.8	11.3	5/10	5500
	2H450	177	110.6	11.3	5/5	5300
2H500	197	120.5	11.3	5/5	5100	
TWO STAGE (Full free 2F)	2F270	105.5	72	45.7	5/10	5500
	2F300	117.5	78	51.7	5/10	5500
	2F330	129.5	84	57.7	5/10	5500
	2F350	137.5	88	61.7	5/10	5500
	2F370	145.5	92	65.7	5/10	5500
	2F400	157.5	98	71.1	5/10	5400
THREE STAGE (Full free 3F)	3F385	152	77.2	55.0	5/5	5500
	3F430	169	83.1	60.9	5/5	5300
	3F475	187	88.4	66.2	5/5	5150
	3F515	203	93.3	71.1	5/5	5000
	3F550	217	100.8	78.6	5/5	4400
	3F600	236	110.6	88.4	5/5	3200
	3F650	256	120.5	98.3	5/5	2300
3F700	276	130.3	108.1	5/5	1100	
THREE STAGE Optiview (3V)	3V385	152	76.9	53.9	5/5	5250
	3V430	169	82.8	59.8	5/5	5200
	3V470	185	88.1	65.1	5/5	5150
	3V505	199	93.0	70.0	5/5	5000
	3V555	219	100.5	77.5	5/5	4400
	3V600	236	110.3	87.3	5/5	3000
	3V650	256	120.2	97.2	5/5	2200
3V700	276	130.0	107.0	5/5	1150	



# 5,500 lb. capacity

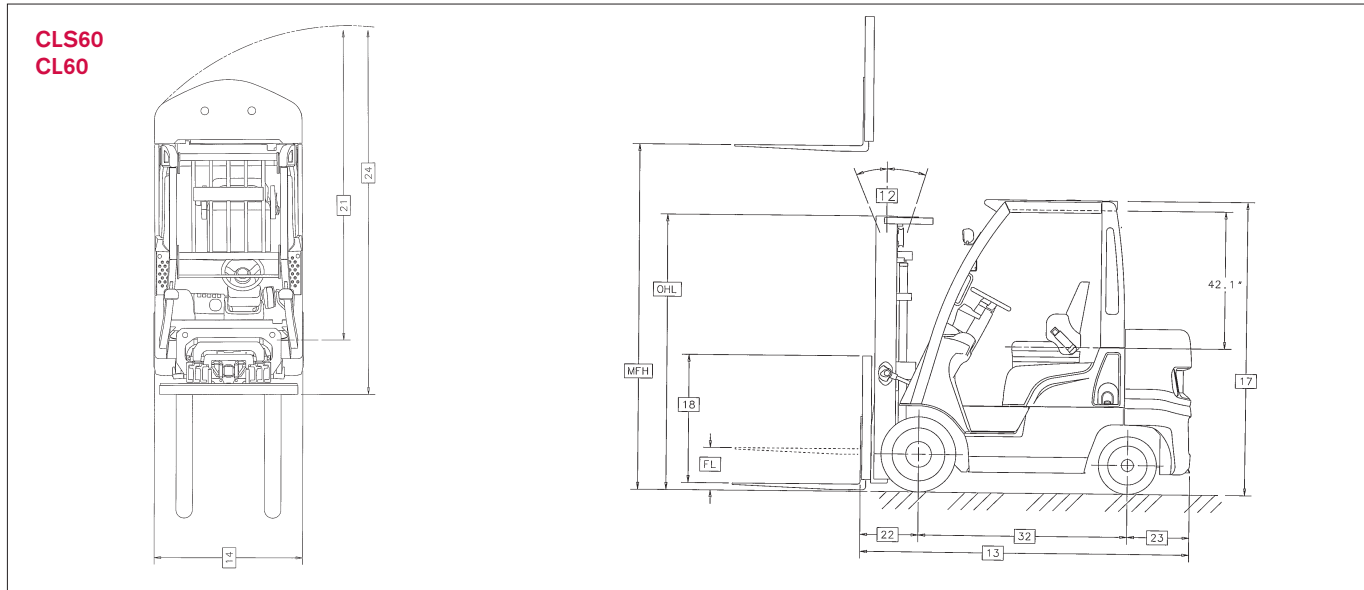
## Main Truck Specifications

CHARACTERISTICS				Nissan	Nissan	
1	Manufacturer's Name			Nissan	Nissan	1
2	Model	Model designation		CL55	CLU55	2
		Long model code		MCPL02A28JV / LV	MCUL02A28JV / LV	
3	Rated Load Capacity		lb (kg)	5500 (2750)	5500 (2750)	3
4	Load Center	Distance	in (mm)	24 (500)	24 (500)	4
5	Power Type			Gas - LPG	Gas - LPG	5
6	Operator Orientation			Sit	Sit	6
7	Tire Type	Front & rear		Cushion	Cushion	7
8	Wheels	Number (x=driven) front/rear		2 x / 2	2 x / 2	8
9	Mast	Maximum fork height	in (mm)	130 (3300)	130 (3300)	9
		Standard freelif	in (mm)	7.8 (198)	7.8 (198)	10
11	Forks	Thickness & width	in (mm)	1.5 x 4 (40x100)	1.5 x 4 (40x100)	11
		Length (STD)	in (mm)	42 (1070)	42 (1070)	
12	Tilt Angle	Standard mast - fwd/back	degree	5/10	5/10	12
13	Overall Dimensions	Length (to face of forks)	in (mm)	93.9 (2385)	93.9 (2385)	13
		Width (standard tires)	in (mm)	43.1(1095)	43.1(1095)	14
		Mast lowered (OHL)	in (mm)	83.1 (2110)	83.1 (2110)	15
		Mast extended with LBR	in (mm)	179.3 (4555)	179.3 (4555)	16
		Height - top of OHG	in (mm)	82.1 (2085)	82.1 (2085)	17
		Height - top of standard LBR	in (mm)	48 (1220)	48 (1220)	18
		Width - standard carriage	in (mm)	40.2 (1020)	40.2 (1020)	19
20	Grade Clearance	Ramp breakover angle	tan (%)	42	42	20
		Departure angle	tan (%)	28	28	
		Approach angle	tan (%)	26	26	
21	Turning Radius	Minimum outside	in (mm)	79.5 (2020)	79.5 (2020)	21
22	Overhang	Front	in (mm)	17.3 (440)	17.3 (440)	22
		Rear	in (mm)	21.5 (545)	21.5 (545)	23
24	Min Right Angle Stack	Add load length & clearance	in (mm)	98 (2490)	98 (2490)	24
25	Speeds Maximum	Travel - forward or reverse	mph (kmh)	10.6 (17)	10.6 (17)	25
		Lift - full/empty	fpm (mm/sec)	94.5/102.4 (480/520)	104.3/110.2 (530/560)	26
		Lowering - full/empty	fpm (mm/sec)	98.4 (500)	98.4 (500)	
27	Drawbar Pull Maximum	LPG or Gasoline - full	lb (kg)	3638 (1650)	4189 (1900)	27
		LPG or Gasoline - empty	lb (kg)	1653 (750)	1653 (750)	
28	Gradeability Max (1.2 mph)	LPG or Gasoline - full/empty	tan (%)	27 / 16	32 / 16	28
29	Truck Weight	Standard truck - no load	lb (kg)	8860 (4015)	8860 (4015)	29
30	Weight Distribution	Front axle - empty	lb (kg)	2705 (1125)	2705 (1125)	30
		Rear axle - empty	lb (kg)	6155 (2790)	6155 (2790)	
		Front axle - with rated load	lb (kg)	12330 (5820)	12330 (5820)	
		Rear axle - with rated load	lb (kg)	2030 (945)	2030 (945)	
31	Tire Size	Front	in	21 x 8 x 15	21 x 8 x 15	31
		Rear	in	16.25 x 6 x 11.25	16.25 x 6 x 11.25	
32	Wheelbase		in (mm)	55.1 (1400)	55.1 (1400)	32
33	Tread - Center of Tire	Front / rear	in (mm)	35.8/35 (910/890)	35.8/35 (910/890)	33
	Headroom	SIP to bottom of OHG	in (mm)	42.1 (1070)	42.1 (1070)	
	Counterweight Height		in (mm)	45.7 (1160)	45.7 (1160)	
	Step Height		in (mm)	16.5 (420)	16.5 (420)	
34	Ground Clearance	Under mast	in (mm)	3.1 (80)	3.1 (80)	34
		Under power unit	in (mm)	3.9 (100)	3.9 (100)	
		Under frame (WB center)	in (mm)	5.7 (145)	5.7 (145)	
35	Service Brake	Type		Drum and Shoe	Drum and Shoe	35
36	Parking Brake	Type		Hand	Hand	36
37	Steering	Type		Full Hydraulic	Full Hydraulic	37
38	Engine	Manufacturer / Model		Nissan K21	Nissan K25	38
	Rated Output	SAE gross/JIS - LPG or Gas	hp/rpm (PS/rpm)	55/2700 (55.7/2700)	60.3/2700 (61.2/2700)	
	Rated Torque	SAE gross/JIS - LPG or Gas	ft-lb/rpm (kg-m/rpm)	119/1600 (16.4/1600)	142/1600 (19.7/1600)	
	Displacement		cu in (cm) <sup>3</sup>	126 (2065)	151.8 (2488)	
39	Transmission	Type		Automatic	Automatic	39
		Number speeds - fwd/rev		1/1	1/1	

\*Calculations not representative of maximum gradeability values.

# Platinum cushion series

## Dimensions



## Mast Specifications & Rated Capacities

	Mast	Maximum Fork Height	Overall Height Lowered	Free Lift		Tilt Angle Forward/Backward	Rated Capacity at 24" Load Center	
				CLS60	CL60		CLS60	CL60
TWO STAGE (Wide view 2W)	2H270	106	71.3	8.5	8.5	5/10	6000	6000
	2H300	118	77.2	8.5	8.5	5/10	6000	6000
	2H330	130	83.1	8.5	8.5	5/10	6000	6000
	2H350	138	88.4	8.5	8.5	5/10	6000	6000
	2H370	146	93.3	11.7	11.7	5/10	6000	6000
	2H400	157	100.8	11.7	11.7	5/10	6000	6000
	2H450	177	110.6	11.7	11.7	5/5	5800	5850
	2H500	197	120.5	11.7	11.7	5/5	5550	5650
TWO STAGE (Full free 2F)	2F270	105.5	72	45.7	45.7	5/10	6000	6000
	2F300	117.5	78	51.7	51.7	5/10	6000	6000
	2F330	129.5	84	57.7	57.7	5/10	6000	6000
	2F350	137.5	88	61.7	61.7	5/10	6000	6000
	2F370	145.5	92	65.7	65.7	5/10	6000	6000
	2F400	157.5	98	71.7	71.7	5/10	5950	6000
THREE STAGE (Full free 3F)	3F385	152	77.2	55	54.4	5/5	6000	6000
	3F430	169	83.1	60.9	60.4	5/5	5800	5800
	3F475	187	88.4	66.2	65.7	5/5	5650	5650
	3F515	203	93.3	71.1	70.6	5/5	5450	5500
	3F550	217	100.8	78.6	78.1	5/5	4650	4750
	3F600	236	110.6	88.4	87.9	5/5	3400	3500
	3F650	256	120.5	98.3	97.8	5/5	2300	2600
	3F700	276	130.3	108.1	107.6	5/5	600	1000
THREE STAGE Optiview (3V)	3V385	152	77.2	53.9	53.7	5/5	5600	5600
	3V430	169	83.1	59.8	59.6	5/5	5550	5550
	3V470	185	88.4	65.1	64.9	5/5	5450	5450
	3V505	199	93.3	70	69.8	5/5	5300	5300
	3V555	219	100.8	77.5	77.3	5/5	4500	4500
	3V600	236	110.6	87.3	87.1	5/5	3200	3300
	3V650	256	120.5	97.2	97	5/5	1600	1800
	3V700	276	130.3	107	106.8	5/5	700	1000

# 6,000 lb. capacity

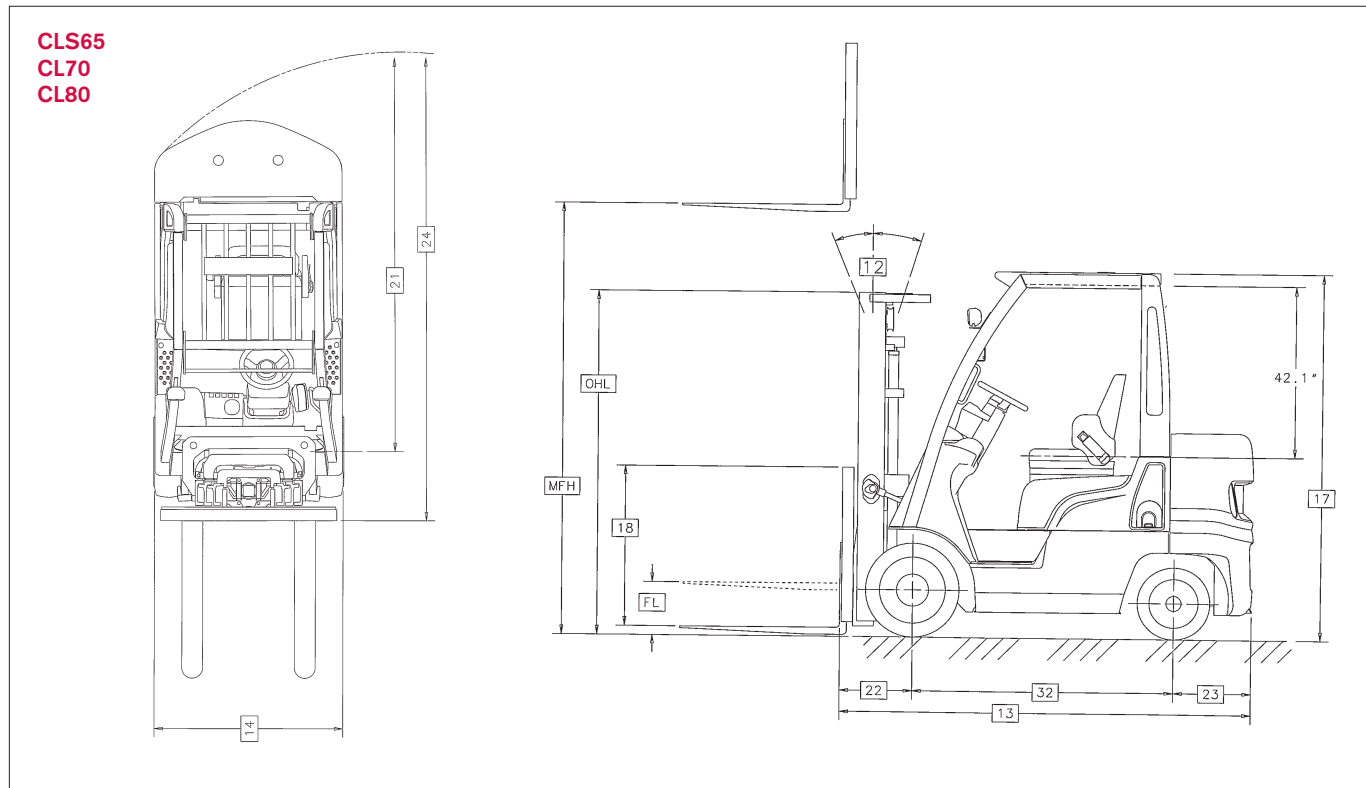
## Main Truck Specifications

				Nissan	Nissan		
CHARACTERISTICS	1	Manufacturer's Name		Nissan	Nissan	1	
	2	Model	Model designation	CLS60	CL60	2	
			Long model code	MCUL02A30JV/LV	MCUGL02F30JV/LV		
	3	Rated Load Capacity		6000 (3000)	6000 (3000)	3	
	4	Load Center	Distance	24 (500)	24 (500)	4	
	5	Power Type		Gas - LPG	Gas - LPG	5	
6	Operator Orientation		Sit	Sit	6		
DIMENSIONS	7	Tire Type	Front & rear	Cushion	Cushion	7	
	8	Wheels	Number (x=driven) front/rear	2 x / 2	2 x /2	8	
	9	Mast	Maximum fork height	in (mm)	130 (3300)	130 (3300)	9
			Standard freelif	in (mm)	8.5 (216)	8.5 (216)	10
	11	Forks	Thickness & width	in (mm)	2 x 5 (50x125)	2 x 5 (50x125)	11
			Length (STD)	in (mm)	42 (1070)	42 (1070)	
	12	Tilt Angle	Standard mast - fwd/back	degree	5/10	5/10	12
	13	Overall Dimensions	Length (to face of forks)	in (mm)	95.3 (2420)	96.5 (2450)	13
			Width (standard tires)	in (mm)	43.1 (1095)	43.9 (1115)	14
			Mast lowered (OHL)	in (mm)	83.1 (2110)	83.1 (2110)	15
			Mast extended with LBR	in (mm)	179.3 (4555)	175 (4445)	16
			Height - top of OHG	in (mm)	82.1 (2085)	82.3 (2090)	17
			Height - top of standard LBR	in (mm)	48 (1220)	48 (1220)	18
			Width - standard carriage	in (mm)	40.2 (1020)	40.2 (1020)	19
	20	Grade Clearance	Ramp breakover angle	tan (%)	42	44	20
			Departure angle	tan (%)	27	35	
			Approach angle	tan (%)	26	24	
	21	Turning Radius	Minimum outside	in (mm)	80.7 (2050)	80.9 (2055)	21
	22	Overhang	Front	in (mm)	17.7 (450)	17.1 (435)	22
Rear			in (mm)	22.4 (570)	20.1 (510)	23	
24	Min Right Angle Stack	Add load length & clearance	in (mm)	99.2 (2520)	99.8 (2535)	24	
PERFORMANCE	25	Speeds Maximum	Travel - forward or reverse	mph (kmh)	10.6 (17)	11.5 (18.5)	25
			Lift - full/empty	fpm (mm/sec)	104.3/110 (530/560)	104.3/110 (530/560)	26
			Lowering - full/empty	fpm (mm/sec)	98.4 (500)	98.4 (500)	
	27	Drawbar Pull Maximum	LPG or Gasoline - full load	lb (kg)	4189 (1900)	3009 (1365)	27
LPG or Gasoline - empty			lb (kg)	1764 (800)	2535 (1150)		
28	Gradeability Max (1.2 mph)	LPG or Gasoline - full/empty	tan (%)	28 / 16	44 / 18	28	
WEIGHT	29	Truck Weight	Standard truck - no load	lb (kg)	9347 (4240)	9612 (4360)	29
	30	Weight Distribution	Front axle - empty	lb (kg)	2789 (1265)	3439 (1560)	30
			Rear axle - empty	lb (kg)	6558 (2975)	6173 (2800)	
			Front axle - with rated load	lb (kg)	13888 (6300)	13679 (6205)	
			Rear axle - with rated load	lb (kg)	2072 (940)	1929 (875)	
CHASSIS & WHEELS	31	Tire Size	Front	in	21 x 8 x 15	22 x 8 x 16	31
			Rear	in	16.25 x 6 x 11.25	18 x 6 x 12.12	
	32	Wheelbase		in (mm)	55.1 (1400)	59.1 (1500)	32
	33	Tread - Center of Tire	Front	in (mm)	35.8 (910)	35.8 (910)	33
			Rear	in (mm)	35 (890)	36.6 (930)	
		Headroom	SIP to bottom of OHG	in (mm)	42.1 (1070)	42.1 (1070)	
		Counterweight Height		in (mm)	45.7 (1160)	46.5 (1180)	
		Step Height		in (mm)	16.5 (420)	17.1 (435)	
	34	Ground Clearance	Under mast	in (mm)	3.1 (80)	3.1 (80)	34
			Under power unit	in (mm)	3.9 (100)	3.7 (95)	
			Under frame (WB center)	in (mm)	5.7 (145)	5.7 (145)	
35	Service Brake	Type		Drum and Shoe	Drum and Shoe	35	
36	Parking Brake	Type		Hand	Hand	36	
37	Steering	Type		Full Hydraulic	Full Hydraulic	37	
38	Engine	Model		Nissan K25	Nissan K25	38	
	Rated Output	SAE gross/JIS - LPG or Gas	hp/rpm (PS/rpm)	60.3/2700 (61.2/2700)	60.3/2700 (61.2/2700)		
	Rated Torque	SAE gross/JIS - LPG or Gas	ft-lb/rpm (kg-m/rpm)	142/1600 (19.7/1600)	142/1600 (19.7/1600)		
	Displacement		cu in (cm) <sup>3</sup>	151.8 (2488)	151.8 (2488)		
DRIVE LINE	39	Transmission	Type		Automatic	Automatic	39
			Number speeds - fwd/rev		1/1	2/1	

\*Calculations not representative of maximum gradeability values.

# Platinum cushion series

## Dimensions



## Mast Specifications & Rated Capacities

	Mast Name	Maximum Fork Height	Overall Height Lowered		Free Lift*	Tilt Angle Forward/Backward	Rated Capacity at 24" Load Center		
			CLS65	CL70/CL80			CLS65	CL70	CL80
TWO STAGE (Wide view 2W)	2W280	110	76.9	77.2	8.2	5/10	6500	7000	8000
	2W310	122	82.8	83.1	8.2	5/10	6500	7000	8000
	2W350	138	93	93.3	11.7	5/10	6500	7000	8000
	2W380	150	100.5	100.8	11.7	5/10	6500	7000	8000
	2W430	169	110.3	110.6	11.7	5/5	6500	6800	7800
TWO STAGE (Full free 2F)	2F280	110	76.9	77.2	50	5/10	6500	7000	8000
	2F310	122	82.8	83.1	55.9	5/10	6500	7000	8000
	2F350	138	93	93.3	66.1	5/10	6500	7000	8000
	2F380	150	100.5	100.8	73.6	5/10	6500	7000	7950
THREE STAGE (Full free 3F)	3F355	140	70.9	71.3	40.3	5/5	6500	6850	7850
	3F400	157	76.9	77.2	46.2	5/5	6300	6750	7750
	3F445	175	82.8	83.1	52.1	5/5	6100	6600	7550
	3F485	191	88.1	88.4	57.4	5/5	5900	6450	7350
	3F520	205	93	93.3	62.3	5/5	5200	6300	7200
	3F570	224	100.5	100.8	69.8	5/5	3900	4900	5600
	3F620	244	110.3	110.6	79.6	5/5	2300	2700	2800
	3F670	264	120.2	120.5	89.5	5/5	600	1100	1200
THREE STAGE Optiview (3V)	3V385	152	76.9	77.2	49.5	5/5	6250	6400	7300
	3V430	169	82.8	83.1	55.4	5/5	6150	6400	7300
	3V470	185	88.1	88.4	60.7	5/5	6100	6350	7250
	3V505	199	93	93.3	65.7	5/5	5900	6200	7100
	3V555	219	100.5	100.8	73.1	5/5	4900	4900	5600
	3V600	236	110.3	110.6	83	5/5	2650	2700	2800
	3V650	256	120.2	120.5	92.8	5/5	1500	1900	2000
	3V700	276	130	130.3	102.7	5/5	1100	1100	1200

\* Free-Lift height should be reduced by 0.3" to calculate CLS65 Optiview Three-Stage Masts (3V)

# 6,500 / 7,000 / 8,000 lb. capacities

## Main Truck Specifications

CHARACTERISTICS				Nissan	Nissan	Nissan	Nissan	
1	Manufacturer's Name			Nissan	Nissan	Nissan	Nissan	1
2	Model	Model designation		CLS65	CL70	CL80	CL80 Boxcar	2
		Long model code		MCUL02A33JV/LV	MCUGL02F35JV/LV	MCUGL02F36JV/LV	MCUGL02F36JV/LV	
3	Rated Load Capacity		lb (kg)	6500 (3250)	7000 (3500)	8000 (4000)	8000 (4000)	3
4	Load Center	Distance	in (mm)	24 (500)	24 (500)	24 (500)	24 (500)	4
5	Power Type			Gas - LPG	Gas - LPG	Gas - LPG	Gas - LPG	5
6	Operator Orientation			Sit	Sit	Sit	Sit	6
7	Tire Type	Front & rear		Cushion	Cushion	Cushion	Cushion	7
8	Wheels	Number (x=driven) front/rear		2 x /2	2 x /2	2 x /2	2 x /2	8
9	Mast	Maximum fork height	in (mm)	122 (3100)	122 (3100)	122 (3100)	122 (3100)	9
		Standard freelif	in (mm)	8.2 (208)	8.2 (208)	8.2 (208)	8.2 (208)	10
11	Forks	Thickness & width	in (mm)	2 x 5 (50x125)	2 x 5 (50x125)	2 x 5 (50x125)	2 x 5 (50x125)	11
		Length	in (mm)	42 (1070)	42 (1070)	42 (1070)	42 (1070)	
12	Tilt Angle	Standard mast - fwd/back	degree	5/10	5/10	5/10	5/10	12
13	Overall Dimensions	Length (to face of forks)	in (mm)	96.3 (2445)	98.2 (2495)	100 (2540)	94.4 (2400)	13
		Width (standard tires)	in (mm)	43.9 (1115)	45.9 (1165)	45.9 (1165)	45.9 (1165)	14
		Mast lowered (OHL)	in (mm)	82.8 (2103)	83.1 (2110)	83.1 (2110)	83.1 (2110)	15
		Mast extended with LBR	in (mm)	178.5 (4535)	178.7 (4540)	178.7 (4540)	178.7 (4540)	16
		Height - top of OHG	in (mm)	82.1 (2085)	82.3 (2090)	82.3 (2090)	82.3 (2090)	17
		Height - top of standard LBR	in (mm)	48 (1220)	48 (1220)	48 (1220)	48 (1220)	18
19		Width - standard carriage	in (mm)	40.2 (1020)	40.2 (1020)	40.2 (1020)	40.2 (1020)	19
20	Grade Clearance	Ramp breakover angle	tan (%)	42	44	44	44	20
		Departure angle	tan (%)	26	32	32	41	
		Approach angle	tan (%)	26	24	24	24	
21	Turning Radius	Minimum outside	in (mm)	81.5 (2070)	82.5 (2095)	83.9 (2130)	79.9 (2030)	21
22	Overhang	Front	in (mm)	17.9 (455)	17.9 (455)	17.9 (455)	17.9 (455)	22
		Rear	in (mm)	23.4 (595)	21.3 (540)	23 (585)	17.5 (446)	23
24	Min right angle stacking aisle	Add load length & clearance	in (mm)	100.4 (2550)	102 (2590)	103.5 (2630)	99.6 (2530)	24
25	Speeds Maximum	Travel - forward or reverse	mph (kmh)	10.6 (17)	11.5 (18.5)	11.5 (18.5)	11.5 (18.5)	25
		Lift - full/empty	fpm (mm/sec)	88.6/92.5 (450/470)	88.6/92.5 (450/470)	88.6/92.5 (450/470)	88.6/92.5 (450/470)	26
		Lowering - full/empty	fpm (mm/sec)	82.7/70.9 (420/360)	82.7/70.9 (420/360)	82.7/70.9 (420/360)	82.7/70.9 (420/360)	
27	Drawbar Pull Max.	LPG or Gasoline - full load	lb (kg)	4189 (1900)	6228 (2825)	6228 (2825)	6228 (2825)	27
		LPG or Gasoline - empty	lb (kg)	1764 (800)	2425 (1100)	2425 (1100)	2425 (1100)	
28	Gradeability Max. (1.2 mph)	LPG or Gasoline - full/empty	tan (%)	24 / 16	38 / 18	34 / 15	34 / 15	28
29	Truck Weight	Standard truck - no load	lb (kg)	9801 (4455)	10428 (4740)	11121 (5055)	11286 (5119)	29
30	Weight Distribution	Front axle - empty	lb (kg)	2750 (1250)	3344 (1520)	3020 (1370)	3071 (1393)	30
		Rear axle - empty	lb (kg)	7051 (3205)	7084 (3220)	7986 (3630)	8315 (3771)	
		Front axle - with rated load	lb (kg)	14773 (6715)	15950 (7250)	16104 (7320)	16448 (7461)	
		Rear axle - with rated load	lb (kg)	2178 (990)	2178 (990)	2937 (1335)	2993 (1358)	
31	Tire Size	Front	in	21 x 8 x 15	22 x 9 x 16	22 x 9 x 16	22 x 9 x 16	31
		Rear	in	16.25 x 6 x 11.25	18 x 6 x 12.12	18 x 6 x 12.12	18 x 6 x 12.12	
32	Wheelbase		in (mm)	55.1 (1400)	59.1 (1500)	59.1 (1500)	59.1 (1500)	32
33	Tread - Center of Tire	Front	in (mm)	35.8 (910)	37 (940)	37 (940)	37 (940)	33
		Rear	in (mm)	35 (890)	36.6 (930)	36.6 (930)	36.6 (930)	
	Headroom	SIP to bottom of OHG	in (mm)	42.1 (1070)	42.1 (1070)	42.1 (1070)	42.1 (1070)	
	Counterweight Height		in (mm)	45.5 (1155)	46.4 (1180)	46.4 (1180)	50.4 (1280)	
	Step Height		in (mm)	16.5 (420)	17.1 (435)	17.1 (435)	17.1 (435)	
34	Ground Clearance	Under mast	in (mm)	3.1 (80)	3.1 (80)	3.1 (80)	3.1 (80)	34
		Under power unit	in (mm)	3.7 (95)	3.7 (95)	3.7 (95)	3.7 (95)	
		Under frame (WB center)	in (mm)	5.7 (145)	5.7 (145)	5.7 (145)	5.7 (145)	
35	Service Brake	Type		Drum and Shoe	Drum and Shoe	Drum and Shoe	Drum and Shoe	35
36	Parking Brake	Type		Hand	Hand	Hand	Hand	36
37	Steering	Type		Full Hydraulic	Full Hydraulic	Full Hydraulic	Full Hydraulic	37
38	Engine	Model		Nissan K25	Nissan K25	Nissan K25	Nissan K25	38
	Rated Output	SAE gross/JIS - LPG or Gas	hp/rpm (PS/rpm)	60.3/2700 (61.2/2700)	60.3/2700 (61.2/2700)	60.3/2700 (61.2/2700)	60.3/2700 (61.2/2700)	
	Rated Torque	SAE gross/JIS - LPG or Gas	ft-lb/rpm (kg-m/rpm)	142/1600 (19.7/1600)	142/1600 (19.7/1600)	142/1600 (19.7/1600)	142/1600 (19.7/1600)	
	Displacement		cu in (cm) <sup>3</sup>	151.8 (2488)	151.8 (2488)	151.8 (2488)	151.8 (2488)	
39	Transmission	Type		Automatic	Automatic	Automatic	Automatic	39
		Number speeds - fwd/rev		1/1	2/1	2/1	2/1	

\*Calculations not representative of maximum gradeability values.

# Available Equipment

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## Standard Equipment

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- Nissan engineered K21 (2.1 liter) and K25 (2.5 liter) with ECCS electronic fuel injection technology with single-port fuel injection (LPG) / multi-port fuel injection (Gasoline)
- Drive by wire throttle control
- Engine protection system
- Cushioned stability control
- Low fuel warning light (LPG models only)
- Full suspension, fold down\* seat with operator restraint system
- Tilt-adjustable steering wheel with memory
- 5-piece reinforced overhead guard
- Overhead guard mounted headlights
- High air intake system combined with cyclone air filter
- Swing-out LPG bracket (LPG models only)
- Single lift/tilt pistol grip lever
- One-piece, no-tool floorboard
- Seat-actuated power interrupt system featuring auto-mast lock and return to neutral
- Hydrostatic power steering
- Automatic transmission
- Easi-view meter panel with multifunction LCD display and on-board diagnostics
- Seat belt warning system

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## Optional Equipment

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- Ground speed control (high/low speed settings) and controlled acceleration mode
- Dual fuel engine for LPG and Gasoline
- UL safety ratings available for all fuel types (LPG, Gasoline, Dual Fuel)
- Swing-down LP bracket\*
- Separate lift & tilt pistol-grip levers
- Steering wheel with spinner knob
- Reduced-noise package
- Rain guard
- Recycler special package
- Drive-in racking (30" at 60" / 28" at 54")\*
- Extra tilt
- Open core radiator with straight fin & in-line tube design
- Radiator screen
- Overhead guard mounted pre-cleaner
- Rear combination light package
- Rotating beacons & strobe lights
- Rear work light

\*Available on most models. Consult factory.

# Technical Information **cushion models**

With features designed to exceed expectations in the areas of performance, fuel efficiency, emissions regulations, operator comfort and low cost of ownership, the Platinum Series is the result of Nissan's relentless pursuit in achieving the perfect balance between the needs of the **Owner, Operator** and the **Environment**.

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## Electronic Fuel Injection Engine Technology

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Available in LPG, Gasoline or Dual Fuel, Platinum Series models are powered by Nissan's own K21 (2.1 liter) and K25 (2.5 liter) industrial engines using electronic fuel injection. Its Electronic Concentrated Control System (ECCS) analyzes engine performance parameters and optimizes engine operation, resulting in enhanced productivity, resulting in lower fuel consumption. This system includes three main components: Engine Control Module (ECM), Vehicle Control Module (VCM) and Meter Panel.

The ECM responds to sensor input by controlling basic engine-related functions, such as proper air/fuel ratio, torque and speed, based on the requirements of the job. The VCM monitors a number of sensors to alert the operator of changing conditions via a full range of warning indicators located on the truck's LCD meter panel display. All communication among these components occurs through a Controller Area Network (CAN) system.

Nissan's K-series engines use the same proven block design and bottom by-pass cooling system as its predecessor, the H-series engine. These enhanced engines are specifically designed and tested for industrial applications in order to deliver all the power and torque (in the low rpm range) to meet the needs of the application. An engine protection system controls the engine's speed and fuel delivery in the event of excessive heat generation as an added safeguard for your investment.

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## Low Emission Engines

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Nissan's global commitment to preserving and protecting the environment is evident in the Platinum Series' ECCS engines, providing exceptionally low emissions levels that are well below EPA Tier I requirements. Nissan is the first lift truck manufacturer to design an industrial engine to do so, setting us apart as the world leader in clean air engine technology. The K21 and K25's combination of ECCS and three-way catalytic system, which includes an automotive-type closed-loop design, provides enhanced fuel economy and the cleanest exhaust emissions in the industry.

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## Enhanced Work Environment

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Several standard features are included in the Platinum Series to deliver a more comfortable and productive work environment for the operator and those in the surrounding area; including Nissan's cushioned stability control. This exclusive design incorporates a maintenance-free rubber dampener located between the rear axle and body to enhance lateral stability under normal driving conditions.

An optional ground speed control feature is available to maintain high or low maximum speed settings, while a controlled acceleration mode adjusts throttle sensitivity to enhance maneuverability in close quarters or when handling fragile loads. (These two features are available on ECCS models only.)

The Platinum's seat-actuated power interrupt system automatically locks lift and tilt operations when the operator leaves the seat. A return to neutral feature minimizes forklift movement if the operator leaves the seat while still in gear. This system also includes an audible warning device if either the seat belt is not engaged while in travel mode, or when the parking brake has not been applied prior to the operator exiting the compartment.

Simple entry/exit is achieved due to a replaceable metal traction plate bolted to the truck's wide, low entry step. Combined with a handle welded to the overhead guard pillar, the operator has a sure, comfortable footing and grip for this often repeated task.

Nissan's own swing-down LP bracket design uses a gas spring assist resulting in nearly effortless swing-down motion in order to minimize back strain during tank replacement. This optional feature also incorporates an adjustable bracket to fit various tank sizes.\*

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## Ease of Maintenance

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No tools are required to remove the one-piece diamond tread floor-board promoting fast, simple access to hydraulic components and grease fittings. Detachable side panels and a wide-open clamshell hood provide a roomy area for service technicians to perform their tasks. The five-piece reinforced overhead guard simplifies replacement of individual components if necessary, saving time and money. An opening in the dash panel allows for quick, easy brake fluid checks.

The Platinum's easi-view meter panel with multi-function LCD display simplifies diagnosis, keeping service time low. Its self-diagnostic display design provides excellent visibility and understanding of warning indicators including: seatbelt, brake, mast-lock, low oil pressure and neutral position indicator.

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## Operator Comfort and Control

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A spacious operator compartment provides generous foot, leg and head room for a variety of driver sizes. A standard full suspension, fold down\* seat with soft touch arm pads and hip restraint provides maximum operator comfort and enhanced safety. Its low profile design offers ample head clearance, while front to back travel adjustment allows a comfortable, customized fit for nearly any operator height.

The Platinum's, tilt-adjustable steering wheel includes a memory lever, to help the operator quickly find his or her ideal driving position, while its compact design offers enhanced control and handling. Hydrostatic power steering minimizes steer effort and operator fatigue. Automotive-style light and turn signal levers simplify repetitive actions allowing the operator to focus on the job. Optional features designed to enhance load handling efficiency and boost operator productivity include Nissan's exclusive three-stage Optiview mast, providing 50% greater visibility. There's also an optional auto tilt leveling system to assist proper mast/fork positioning.

Enhanced operator comfort results from the Platinum Series' individual floating system. This system includes a full suspension seat, pedals mounted to the chassis frame, and rubber shock absorbers located throughout the vehicle to reduce vibration from the engine and transmission to the operator. For additional vibration reduction, Platinum Series' pneumatic trucks include an automotive-type powertrain mounting design, which incorporates four rubber engine supports.

The Platinum's new engine design offers extremely low noise levels at the operator's ear during idle and even at maximum travel speeds for added comfort.

\*Not available on all models. Consult factory.

# Option Availability

## Platinum Series Cushion Models

Standard  S Option  O

		Fuel Types		
		LP-Gas	Gasoline	Dual Fuel
Vehicle Management	VCM - self diagnostic system	S	S	S
Powertrain	Electronic Concentrated Control System	S	S	S
	UL Safety rating	O	O	O
	Automatic return to neutral	S	S	S
	High/low speed & controlled accelerator selector	O	O	O
	Radiator screen	O	O	O
	Engine protection system	S	S	S
	Three-way catalytic converter	S	S	S
LP System	Cushioned stability control	S	S	S
	Swing-down LP bracket*	O	-	O
Brake	LP low fuel warning light	S	-	S
	Parking brake with warning buzzer	S	S	S
Mast	Mast interlock system	S	S	S
	Optiview three-stage mast	O	O	O
Hydraulic System	Single lift/tilt control lever	S	S	S
	Separate lift & tilt control levers	O	O	O
	Auto tilt leveling system	O	O	O
	Hydraulic load sensing valve system	S	S	S
Steering System	Tilt steering wheel with memory	S	S	S
	Hydrostatic power steering system	S	S	S
Operator Surroundings	Full suspension seat	S	S	S
	OHG-mounted headlights	S	S	S
	Rearview mirrors	O	O	O
	Rear combination drive light package	O	O	O
	Rear work light	O	O	O
	Strobe lights & rotating beacons	O	O	O
	Back-up warning buzzer	S	S	S

\*Available on most LPG and dual fuel models. Consult factory.



3000-lb, 3500-lb, 4000-lb



4000-lb, 5000-lb, 5500-lb, 6000-lb, 6500-lb



6000-lb, 7000-lb, 8000-lb

# TOTAL

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