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# Platinum Series

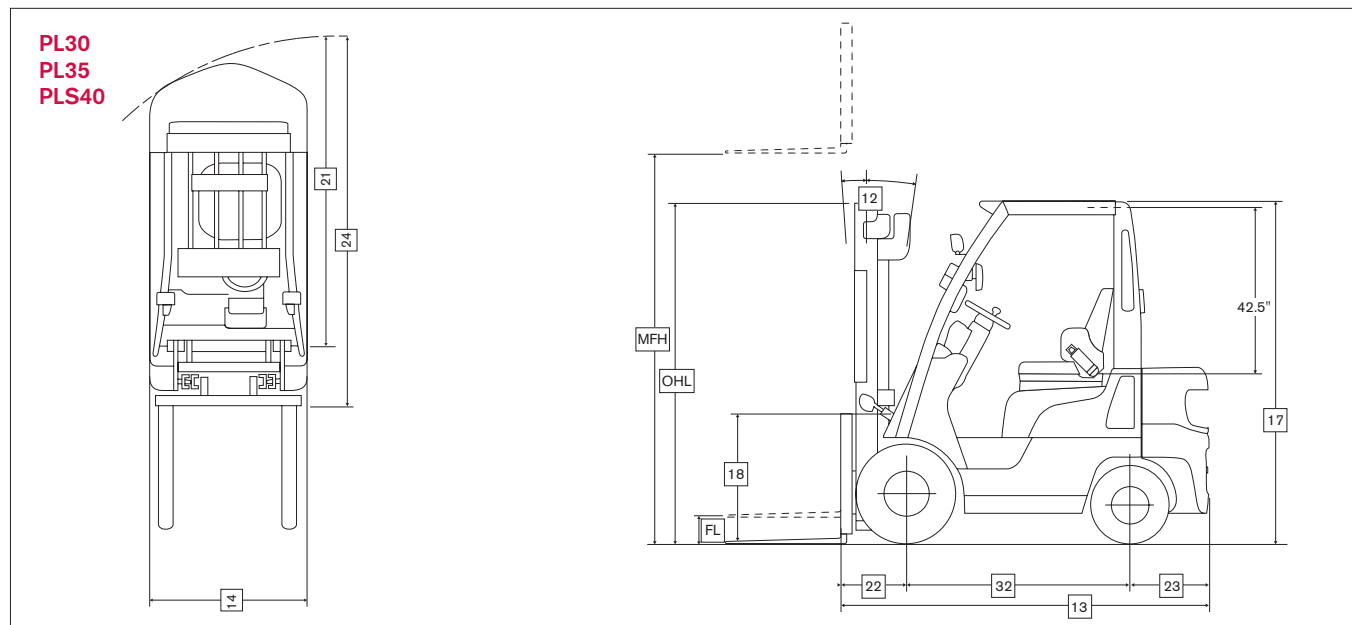
**Pneumatic Tire** / Engine Powered Models / LPG, Gasoline, Dual Fuel, Diesel

**3,000 – 7,000 lb.**  
Capacities



# Platinum pneumatic 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 |      |       |
|-------------------------------|-----------|---------------------|------------------------|-----------|-----------------------------|-----------------------------------|------|-------|
|                               |           |                     |                        |           |                             | PL30                              | PL35 | PLS40 |
| TWO STAGE<br>(Wide view 2W)   | 2W270     | 106                 | 72.6                   | 6.2       | 6/12                        | 3000                              | 3500 | 4000  |
|                               | 2W300     | 118                 | 78.5                   | 6.2       | 6/12                        | 3000                              | 3500 | 4000  |
|                               | 2W330     | 130                 | 84.4                   | 6.2       | 6/12                        | 3000                              | 3500 | 4000  |
|                               | 2W350     | 138                 | 89.8                   | 6.2       | 6/12                        | 3000                              | 3500 | 4000  |
|                               | 2W370     | 146                 | 94.7                   | 6.2       | 6/12                        | 3000                              | 3500 | 4000  |
|                               | 2W400     | 157                 | 102.2                  | 6.2       | 6/6                         | 3000                              | 3500 | 3850  |
|                               | 2W450     | 177                 | 112.0                  | 6.2       | 6/6                         | 2900                              | 3200 | 3450  |
|                               | 2W500     | 197                 | 121.9                  | 6.2       | 6/6                         | 2650                              | 3100 | 3200  |
| TWO STAGE<br>(Full free 2F)   | 2F300     | 118                 | 78.5                   | 53.6      | 6/10                        | 3000                              | 3500 | 4000  |
|                               | 2F330     | 130                 | 84.4                   | 59.5      | 6/10                        | 3000                              | 3500 | 4000  |
|                               | 2F350     | 138                 | 89.8                   | 64.8      | 6/10                        | 3000                              | 3500 | 4000  |
|                               | 2F370     | 146                 | 94.7                   | 69.8      | 6/10                        | 3000                              | 3400 | 3900  |
|                               | 2F400     | 157                 | 102.2                  | 77.2      | 6/6                         | 2900                              | 3300 | 3800  |
| THREE STAGE<br>(Full free 3F) | 3F385     | 152                 | 72.6                   | 47.0      | 6/6                         | 2900                              | 3300 | 3850  |
|                               | 3F430     | 169                 | 78.5                   | 52.9      | 6/6                         | 2800                              | 3200 | 3550  |
|                               | 3F475     | 187                 | 84.4                   | 58.8      | 6/6                         | 2700                              | 3100 | 3450  |
|                               | 3F515     | 203                 | 89.8                   | 64.1      | 6/6                         | 2600                              | 2800 | 3150  |
|                               | 3F550     | 217                 | 94.7                   | 69.0      | 6/6                         | 2350                              | 2600 | 2700  |
|                               | 3F600     | 236                 | 102.2                  | 76.5      | 6/6                         | 1300                              | 1500 | 1800  |
|                               | 3F650     | 256                 | 112.0                  | 86.3      | 6/6                         | 1200                              | 1400 | 1700  |
|                               | 3F700     | 276                 | 121.9                  | 96.2      | 6/6                         | 1100                              | 1300 | 1600  |
| THREE STAGE<br>Optiview (3V)  | 3V360     | 142                 | 72.6                   | 48.4      | 6/6                         | 2900                              | 3300 | 3700  |
|                               | 3V405     | 159                 | 78.5                   | 54.3      | 6/6                         | 2800                              | 3200 | 3550  |
|                               | 3V450     | 177                 | 84.4                   | 60.2      | 6/6                         | 2700                              | 3100 | 3450  |
|                               | 3V490     | 193                 | 89.8                   | 65.5      | 6/6                         | 2600                              | 2800 | 3150  |
|                               | 3V525     | 207                 | 94.7                   | 70.4      | 6/6                         | 2350                              | 2600 | 2700  |
|                               | 3V575     | 226                 | 102.2                  | 77.9      | 6/6                         | 1300                              | 1500 | 1800  |
|                               | 3V633     | 249                 | 112                    | 87.8      | 6/6                         | 1200                              | 1400 | 1700  |
|                               | 3V688     | 271                 | 121.9                  | 97.6      | 6/6                         | 1100                              | 1300 | 1600  |

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

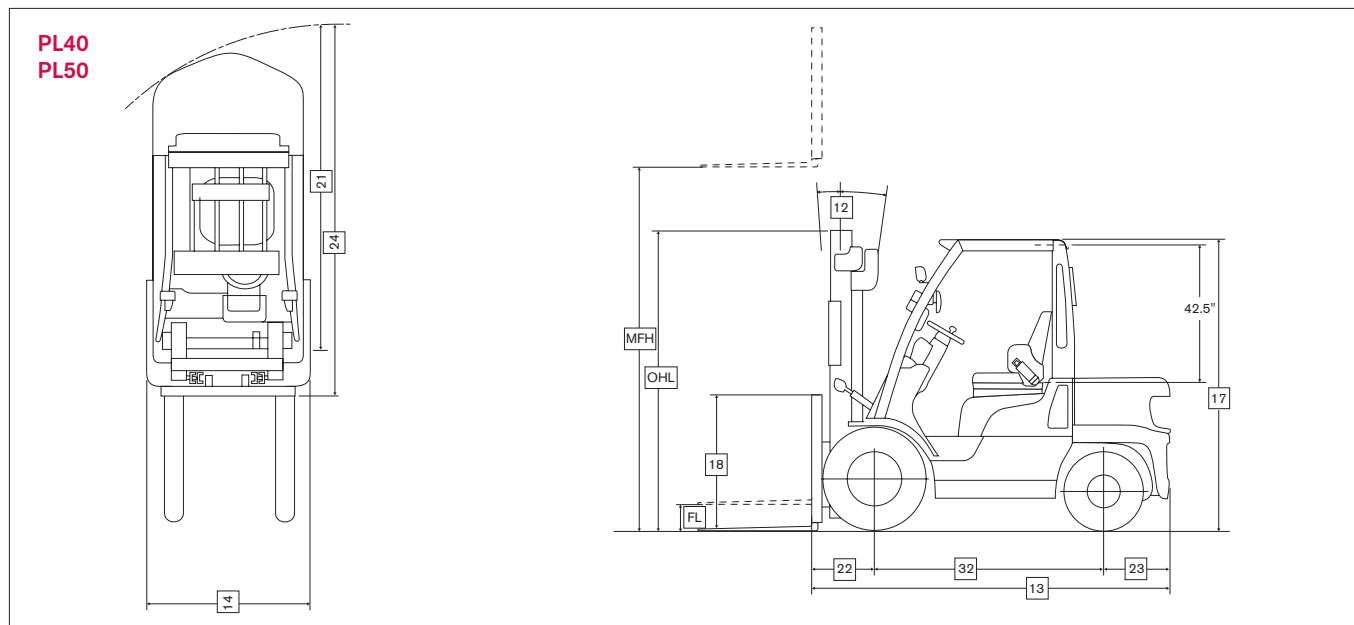
## Main Truck Specifications

|                  |    |                            |                              |                          |                          |                          |    |
|------------------|----|----------------------------|------------------------------|--------------------------|--------------------------|--------------------------|----|
| CHARACTERISTICS  | 1  | Manufacturer's Name        |                              | Nissan                   | Nissan                   | Nissan                   | 1  |
|                  | 2  | Model                      | Model Designation            | PL30                     | PL35                     | PLS40                    | 2  |
|                  |    |                            | Long Model Code              | MPL01A15JV<br>MPL01A15LV | MPL01A18JV<br>MPL01A18LV | MPL01A20JV<br>MPL01A20LV |    |
|                  | 3  | Rated Load Capacity        |                              | 3000 (1500)              | 3500 (1750)              | 4000 (2000)              | 3  |
|                  | 4  | Load Center                | Distance                     | 24 (500)                 | 24 (500)                 | 24 (500)                 | 4  |
|                  | 5  | Power Type                 |                              | Gas - LPG                | Gas - LPG                | Gas - LPG                | 5  |
| DIMENSIONS       | 6  | Operator Orientation       |                              | Sit                      | Sit                      | Sit                      | 6  |
|                  | 7  | Tire Type                  | Front & rear                 | Pneumatic                | Pneumatic                | Pneumatic                | 7  |
|                  | 8  | Wheels                     | Number (x=driven) front/rear | 2 x / 2                  | 2 x / 2                  | 2 x / 2                  | 8  |
|                  | 9  | Mast                       | Maximum fork height          | 129.5 (3290)             | 129.5 (3290)             | 129.5 (3290)             | 9  |
|                  | 10 |                            | Standard freelif             | 5.5 (140)                | 5.5 (140)                | 5.5 (140)                | 10 |
|                  | 11 | Forks                      | Thickness & width            | 1.5 x 4 (40x100)         | 1.5 x 4 (40x100)         | 1.5 x 4 (40x100)         | 11 |
|                  |    |                            | Length                       | 42 (1070)                | 42 (1070)                | 42 (1070)                |    |
|                  | 12 | Tilt Angle                 | Standard mast - fwd/back     | 6/12                     | 6/12                     | 6/12                     | 12 |
|                  | 13 | Overall Dimensions         | Length (to face of forks)    | 89.0 (2260)              | 90.2 (2290)              | 91.3 (2320)              | 13 |
|                  | 14 |                            | Width (standard tires)       | 41.9 (1065)              | 41.9 (1065)              | 41.9 (1065)              | 14 |
|                  | 15 |                            | Max lowered (OHL)            | 86 (2184)                | 86 (2184)                | 86 (2184)                | 15 |
|                  | 16 |                            | Max extended with LBR        | 155.9 (3960)             | 155.9 (3960)             | 155.9 (3960)             | 16 |
|                  | 17 |                            | Height - top of OHG          | 83.3 (2115)              | 83.3 (2115)              | 83.3 (2115)              | 17 |
|                  | 18 |                            | Height - top of standard LBR | 48 (1220)                | 48 (1220)                | 48 (1220)                | 18 |
|                  | 19 |                            | Width - standard carriage    | 36.2 (920)               | 36.2 (920)               | 36.2 (920)               | 19 |
|                  | 20 | Grade Clearance            | Ramp breakover angle         | 49                       | 49                       | 49                       | 20 |
|                  |    |                            | Departure angle              | 39                       | 37                       | 35                       |    |
|                  |    |                            | Approach angle               | 37                       | 37                       | 37                       |    |
| PERFORMANCE      | 21 | Turning Radius             | Minimum outside              | 76.2 (1935)              | 77.6 (1970)              | 79.1 (2010)              | 21 |
|                  | 22 | Overhang                   | Front                        | 15.7 (400)               | 15.7 (400)               | 15.7 (400)               | 22 |
|                  | 23 |                            | Rear                         | 18.1 (460)               | 19.3 (490)               | 20.5 (520)               | 23 |
|                  | 24 | Min Right Angle Stack      | Add load length & clearance  | 92.7 (2355)              | 93.4 (2372)              | 95 (2413)                | 24 |
|                  | 25 | Speeds Maximum             | Travel - forward or reverse  | 11.8 (19)                | 11.8 (19)                | 11.8 (19)                | 25 |
|                  | 26 |                            | Lift - full/empty            | fpm (mm/sec)             | 122/127.9 (620/650)      | 122/127.9 (620/650)      | 26 |
|                  |    |                            | Lowering - full/empty        | fpm (mm/sec)             | 98.4 (500)               | 98.4 (500)               |    |
|                  | 27 | Drawbar Pull Max           | LPG or Gasoline - full load  | 3705 (1680)              | 3705 (1680)              | 3705 (1680)              | 27 |
|                  |    |                            | LPG or Gasoline - empty      | 2470 (1120)              | 2646 (1200)              | 2932 (1330)              |    |
|                  | 28 | Gradeability Max (1.2 mph) | Gasoline - full/empty        | 38 / 28                  | 45 / 24                  | 41 / 21                  | 28 |
| WEIGHT           | 29 | Truck Weight               | Standard truck - no load     | 5908 (2680)              | 6272 (2845)              | 6581 (2985)              | 29 |
|                  | 30 | Weight Distribution        | Front axle - empty           | 2546 (1155)              | 2447 (1110)              | 2315 (1050)              | 30 |
|                  |    |                            | Rear axle - empty            | 3362 (1525)              | 3825 (1735)              | 4266 (1935)              |    |
|                  |    |                            | Front axle - with rated load | 7981 (3620)              | 8785 (3985)              | 9601 (4355)              |    |
|                  |    |                            | Rear axle - with rated load  | 1235 (560)               | 1345 (610)               | 1389 (630)               |    |
|                  | 31 | Tire Size                  | Front                        | in                       | 6.50-10-10PR             | 6.50-10 Solid            | 31 |
|                  |    |                            | Rear                         | in                       | 5.00-8-8-PR              | 5.00-8 Solid             |    |
|                  | 32 | Wheelbase                  |                              | in (mm)                  | 55.1(1400)               | 55.1(1400)               | 32 |
| CHASSIS & WHEELS | 33 | Tread - Center of Tire     | Front / rear                 | in (mm)                  | 35/35.4 (890/900)        | 35/35.4 (890/900)        | 33 |
|                  |    |                            | Front dual tires             | in (mm)                  | 43.1 (1095)              | 43.1 (1095)              |    |
|                  |    | Headroom                   | SIP to bottom of OHG         | in (mm)                  | 42.5 (1080)              | 42.5 (1080)              |    |
|                  |    | Counterweight Height       |                              | in (mm)                  | 41.9 (1065)              | 41.9 (1065)              |    |
|                  |    | Step Height                |                              | in (mm)                  | 17.7 (450)               | 17.7 (450)               |    |
|                  | 34 | Ground Clearance           | Under mast                   | in (mm)                  | 4.5 (115)                | 4.5 (115)                | 34 |
|                  |    |                            | Under power unit             | in (mm)                  | 5.3 (135)                | 5.3 (135)                |    |
|                  |    |                            | Under frame (WB center)      | in (mm)                  | 5.9 (150)                | 5.9 (150)                |    |
|                  | 35 | Service Brake              | Type                         |                          | Drum and Shoe            | Drum and Shoe            | 35 |
|                  | 36 | Parking Brake              | Type                         |                          | Hand                     | Hand                     | 36 |
| DRIVE LINE       | 37 | Steering                   | Type                         |                          | Full Hydraulic           | Full Hydraulic           | 37 |
|                  | 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               |                              | 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 pneumatic 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 |      |
|-------------------------------|-----------|---------------------|------------------------|-----------|-----------------------------|-----------------------------------|------|
|                               |           |                     |                        |           |                             | PL40                              | PL50 |
| TWO STAGE<br>(Wide view 2W)   | 2W270     | 106                 | 72.6                   | 6.1       | 6/12                        | 4000                              | 5000 |
|                               | 2W300     | 118                 | 78.5                   | 6.1       | 6/12                        | 4000                              | 5000 |
|                               | 2W330     | 130                 | 84.4                   | 6.1       | 6/12                        | 4000                              | 5000 |
|                               | 2W350     | 138                 | 89.8                   | 6.1       | 6/12                        | 4000                              | 5000 |
|                               | 2W370     | 146                 | 94.7                   | 6.1       | 6/12                        | 4000                              | 5000 |
|                               | 2W400     | 157                 | 102.2                  | 6.1       | 6/6                         | 4000                              | 5000 |
|                               | 2W450     | 177                 | 112.0                  | 6.1       | 6/6                         | 3850                              | 4400 |
|                               | 2W500     | 197                 | 121.9                  | 6.1       | 6/6                         | 3450                              | 3700 |
| TWO STAGE<br>(Full free 2F)   | 2F300     | 118                 | 78.5                   | 53.5      | 6/12                        | 4000                              | 5000 |
|                               | 2F330     | 130                 | 84.4                   | 59.4      | 6/12                        | 4000                              | 5000 |
|                               | 2F350     | 138                 | 89.8                   | 64.7      | 6/12                        | 4000                              | 5000 |
|                               | 2F370     | 146                 | 94.7                   | 69.6      | 6/12                        | 4000                              | 5000 |
|                               | 2F400     | 157                 | 102.2                  | 77.1      | 6/6                         | 3950                              | 4950 |
| THREE STAGE<br>(Full free 3F) | 3F385     | 152                 | 72.6                   | 47.2      | 6/6                         | 4000                              | 5000 |
|                               | 3F430     | 169                 | 78.5                   | 53.1      | 6/6                         | 3850                              | 4700 |
|                               | 3F475     | 187                 | 84.4                   | 59.0      | 6/6                         | 3700                              | 4300 |
|                               | 3F515     | 203                 | 89.8                   | 64.3      | 6/6                         | 3300                              | 3650 |
|                               | 3F550     | 217                 | 94.7                   | 69.2      | 6/6                         | 2950                              | 3350 |
|                               | 3F600     | 236                 | 102.2                  | 76.7      | 6/6                         | 1900                              | 2100 |
|                               | 3F650     | 256                 | 112                    | 86.5      | 6/6                         | 1800                              | 2000 |
|                               | 3F700     | 276                 | 121.9                  | 96.4      | 6/6                         | 700                               | 700  |
| THREE STAGE<br>Optiview (3V)  | 3V360     | 142                 | 72.8                   | 47.2      | 6/6                         | 3900                              | 4900 |
|                               | 3V405     | 159                 | 78.7                   | 53.1      | 6/6                         | 3700                              | 4700 |
|                               | 3V450     | 177                 | 84.6                   | 59.0      | 6/6                         | 3600                              | 4300 |
|                               | 3V490     | 193                 | 90                     | 64.3      | 6/6                         | 3300                              | 3900 |
|                               | 3V525     | 207                 | 94.9                   | 69.2      | 6/6                         | 3000                              | 3500 |
|                               | 3V575     | 226                 | 102.4                  | 76.7      | 6/6                         | 2500                              | 3000 |
|                               | 3V633     | 249                 | 112.2                  | 86.5      | 6/6                         | 2300                              | 2600 |
|                               | 3V688     | 271                 | 122                    | 96.4      | 6/6                         | 1900                              | 2300 |

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

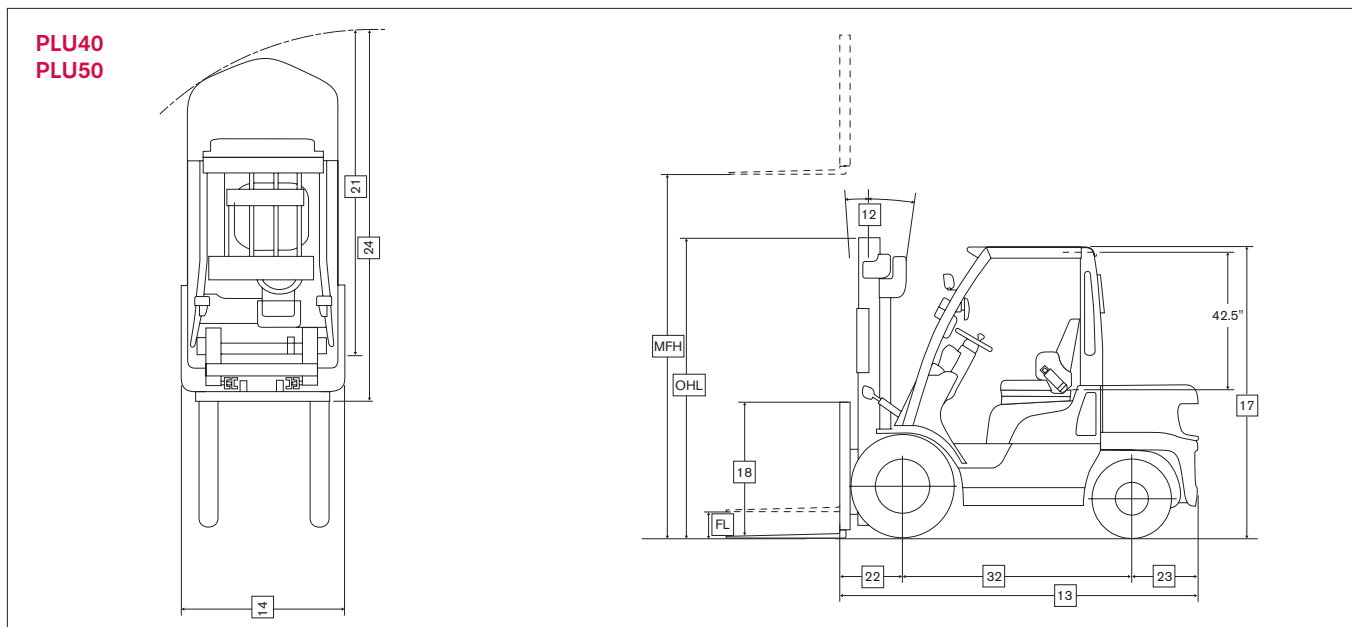
## Main Truck Specifications

|                  |    |                                |                              |                         |                       |    |
|------------------|----|--------------------------------|------------------------------|-------------------------|-----------------------|----|
| CHARACTERISTICS  | 1  | Manufacturer's Name            |                              | Nissan                  | Nissan                | 1  |
|                  | 2  | Model                          | Model designation            | PL40                    | PL50                  | 2  |
|                  |    |                                | Long model code              | MPL02A20JV/LV           | MPL02A25JV/LV         |    |
|                  | 3  | Rated Load Capacity            | lb (kg)                      | 4000 (2000)             | 5000 (2500)           | 3  |
|                  | 4  | Load Center                    | Distance                     | 24 (500)                | 24 (500)              | 4  |
|                  | 5  | Power Type                     |                              | Gas - LPG               | Gas - LPG             | 5  |
| DIMENSIONS       | 6  | Operator Orientation           |                              | Sit                     | Sit                   | 6  |
|                  | 7  | Tire Type                      | Front & rear                 | Pneumatic               | Pneumatic             | 7  |
|                  | 8  | Wheels                         | Number (x=driven) front/rear | 2 x / 2                 | 2 x / 2               | 8  |
|                  | 9  | Mast                           | Maximum fork height          | 129.5 (3290)            | 129.5 (3290)          | 9  |
|                  | 10 |                                | Standard freelif             | 5.5 (140)               | 5.5 (140)             | 10 |
|                  | 11 | Forks                          | Thickness & width            | 1.5 x 4 (40x100)        | 1.5 x 4 (40x100)      | 11 |
|                  |    |                                | Length                       | 42 (1070)               | 42 (1070)             |    |
|                  | 12 | Tilt Angle                     | Standard mast - fwd/back     | 6/12                    | 6/12                  | 12 |
|                  | 13 | Overall Dimensions             | Length (to face of forks)    | 97.2 (2470)             | 99.4 (2525)           | 13 |
|                  | 14 |                                | Width (standard tires)       | 45.3 (1150)             | 45.3 (1150)           | 14 |
|                  | 15 |                                | Mast lowered (OHL)           | 86 (2184)               | 86 (2184)             | 15 |
|                  | 16 |                                | Mast extended with LBR       | 155.9 (3960)            | 155.9 (3960)          | 16 |
|                  | 17 |                                | Height - top of OHG          | 83.5 (2120)             | 83.5 (2120)           | 17 |
|                  | 18 |                                | Height - top of standard LBR | 48 (1220)               | 48 (1220)             | 18 |
|                  | 19 |                                | Width - standard carriage    | 40.2 (1020)             | 40.2 (1020)           | 19 |
|                  | 20 | Grade Clearance                | Ramp breakover angle         | 44                      | 44                    | 20 |
|                  |    |                                | Departure angle              | 45                      | 37                    |    |
|                  |    |                                | Approach angle               | 32                      | 32                    |    |
|                  | 21 | Turning Radius                 | Minimum outside              | 83.5 (2120)             | 85.8 (2180)           | 21 |
|                  | 22 | Overhang                       | Front                        | 17.9 (455)              | 17.9 (455)            | 22 |
|                  | 23 |                                | Rear                         | 16.3 (415)              | 18.5 (470)            | 23 |
| PERFORMANCE      | 24 | Min right angle stacking aisle | Add load length & clearance  | 101.5 (2578)            | 103.9 (2639)          | 24 |
|                  | 25 | Speeds Maximum                 | Travel - forward or reverse  | 12.1 (19.5)             | 12.1 (19.5)           | 25 |
|                  | 26 |                                | Lift - full/empty            | 118.1/127.9 (600/650)   | 118.1/127.9 (600/650) | 26 |
|                  |    |                                | Lowering - full/empty        | 98.4 (500)              | 98.4 (500)            |    |
|                  | 27 | Drawbar Pull Maximum           | LPG or Gasoline - full/empty | 3836/3439 (1740/1560)   | 3836/3439 (1740/1560) | 27 |
|                  | 28 | Gradeability Max (1.2 mph)     | LPG or Gasoline - full/empty | 37 / 28                 | 33 / 24               | 28 |
| WEIGHT           | 29 | Truck Weight                   | Standard truck - no load     | 7352 (3335)             | 8102 (3675)           | 29 |
|                  | 30 | Weight Distribution            | Front axle - empty           | 3428 (1555)             | 3263 (1480)           | 30 |
|                  |    |                                | Rear axle - empty            | 3924 (1780)             | 4839 (2195)           |    |
|                  |    |                                | Front axle - with rated load | 10461 (4745)            | 12059 (5470)          |    |
|                  |    |                                | Rear axle - with rated load  | 1301 (590)              | 1554 (705)            |    |
| CHASSIS & WHEELS | 31 | Tire Size                      | Front                        | 7.00-12-12PR            | 7.00-12-12PR          | 31 |
|                  |    |                                | Rear                         | 6.00-9-10PR             | 6.00-9-10PR           |    |
|                  | 32 | Wheelbase                      | in (mm)                      | 63 (1600)               | 63 (1600)             | 32 |
|                  | 33 | Tread - Center of Tire         | Front / rear                 | 37.8/38.4 (960/975)     | 37.8/38.4 (960/975)   | 33 |
|                  |    |                                | Front dual tires             | 47.4 (1205)             | 47.4 (1205)           |    |
|                  |    | Headroom                       | SIP to bottom of OHG         | 42.5 (1080)             | 42.5 (1080)           |    |
|                  |    | Counterweight Height           | in (mm)                      | 42.1 (1070)             | 42.1 (1070)           |    |
|                  |    | Step Height                    | in (mm)                      | 17.9 (455)              | 17.9 (455)            |    |
|                  | 34 | Ground Clearance               | Under mast                   | 4.5 (115)               | 4.5 (115)             | 34 |
|                  |    |                                | Under power unit             | 5.3 (135)               | 5.3 (135)             |    |
|                  |    |                                | Under frame (WB center)      | 6.1 (155)               | 6.1 (155)             |    |
| DRIVE LINE       | 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 K21              | Nissan K21            | 38 |
|                  |    | Rated Output                   | SAE gross/JIS - LPG or Gas   | hp/rpm (PS/rpm)         | 55/2700 (55.7/2700)   |    |
|                  |    | Rated Torque                   | SAE gross/JIS - LPG or Gas   | ft-lb/rpm (kg-m/rpm)    | 119/1600 (16.4/1600)  |    |
|                  |    | Displacement                   | K21 - 2.1 liter              | cu in (cm) <sup>3</sup> | 126 (2065)            |    |
|                  | 39 | Transmission                   | Type                         | Automatic               | Automatic             | 39 |
|                  |    |                                | Number speeds - fwd/rev      | 1/1                     | 1/1                   |    |

\* Performance specifications based on K21 engine. See table on Page 7 for K25 specifications. Calculations not representative of maximum gradeability values.

# Platinum pneumatic 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 |       |
|-------------------------------|-----------|---------------------|------------------------|-----------|-----------------------------|-----------------------------------|-------|
|                               |           |                     |                        |           |                             | PLU40                             | PLU50 |
| TWO STAGE<br>(Wide view 2W)   | 2W270     | 106                 | 72.6                   | 6.1       | 6/12                        | 4000                              | 5000  |
|                               | 2W300     | 118                 | 78.5                   | 6.1       | 6/12                        | 4000                              | 5000  |
|                               | 2W330     | 130                 | 84.4                   | 6.1       | 6/12                        | 4000                              | 5000  |
|                               | 2W350     | 138                 | 89.8                   | 6.1       | 6/12                        | 4000                              | 5000  |
|                               | 2W370     | 146                 | 94.7                   | 6.1       | 6/12                        | 4000                              | 5000  |
|                               | 2W400     | 157                 | 102.2                  | 6.1       | 6/6                         | 4000                              | 5000  |
|                               | 2W450     | 177                 | 112.0                  | 6.1       | 6/6                         | 3850                              | 4400  |
|                               | 2W500     | 197                 | 121.9                  | 6.1       | 6/6                         | 3450                              | 3700  |
| TWO STAGE<br>(Full free 2F)   | 2F300     | 118                 | 78.5                   | 53.5      | 6/12                        | 4000                              | 5000  |
|                               | 2F330     | 130                 | 84.4                   | 59.4      | 6/12                        | 4000                              | 5000  |
|                               | 2F350     | 138                 | 89.8                   | 64.7      | 6/12                        | 4000                              | 5000  |
|                               | 2F370     | 146                 | 94.7                   | 69.6      | 6/12                        | 4000                              | 5000  |
|                               | 2F400     | 157                 | 102.2                  | 77.1      | 6/6                         | 3950                              | 4950  |
| THREE STAGE<br>(Full free 3F) | 3F385     | 152                 | 72.6                   | 47.2      | 6/6                         | 4000                              | 5000  |
|                               | 3F430     | 169                 | 78.5                   | 53.1      | 6/6                         | 3850                              | 4700  |
|                               | 3F475     | 187                 | 84.4                   | 59.0      | 6/6                         | 3700                              | 4300  |
|                               | 3F515     | 203                 | 89.8                   | 64.3      | 6/6                         | 3300                              | 3650  |
|                               | 3F550     | 217                 | 94.7                   | 69.2      | 6/6                         | 2950                              | 3350  |
|                               | 3F600     | 236                 | 102.2                  | 76.7      | 6/6                         | 1900                              | 2100  |
|                               | 3F650     | 256                 | 112                    | 86.5      | 6/6                         | 1800                              | 2000  |
|                               | 3F700     | 276                 | 121.9                  | 96.4      | 6/6                         | 700                               | 700   |
| THREE STAGE<br>Optiview (3V)  | 3V360     | 142                 | 72.8                   | 47.2      | 6/6                         | 3900                              | 4900  |
|                               | 3V405     | 159                 | 78.7                   | 53.1      | 6/6                         | 3700                              | 4700  |
|                               | 3V450     | 177                 | 84.6                   | 59.0      | 6/6                         | 3600                              | 4300  |
|                               | 3V490     | 193                 | 90                     | 64.3      | 6/6                         | 3300                              | 3900  |
|                               | 3V525     | 207                 | 94.9                   | 69.2      | 6/6                         | 3000                              | 3500  |
|                               | 3V575     | 226                 | 102.4                  | 76.7      | 6/6                         | 2500                              | 3000  |
|                               | 3V633     | 249                 | 112.2                  | 86.5      | 6/6                         | 2300                              | 2600  |
|                               | 3V688     | 271                 | 122                    | 96.4      | 6/6                         | 1900                              | 2300  |

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

## Main Truck Specifications

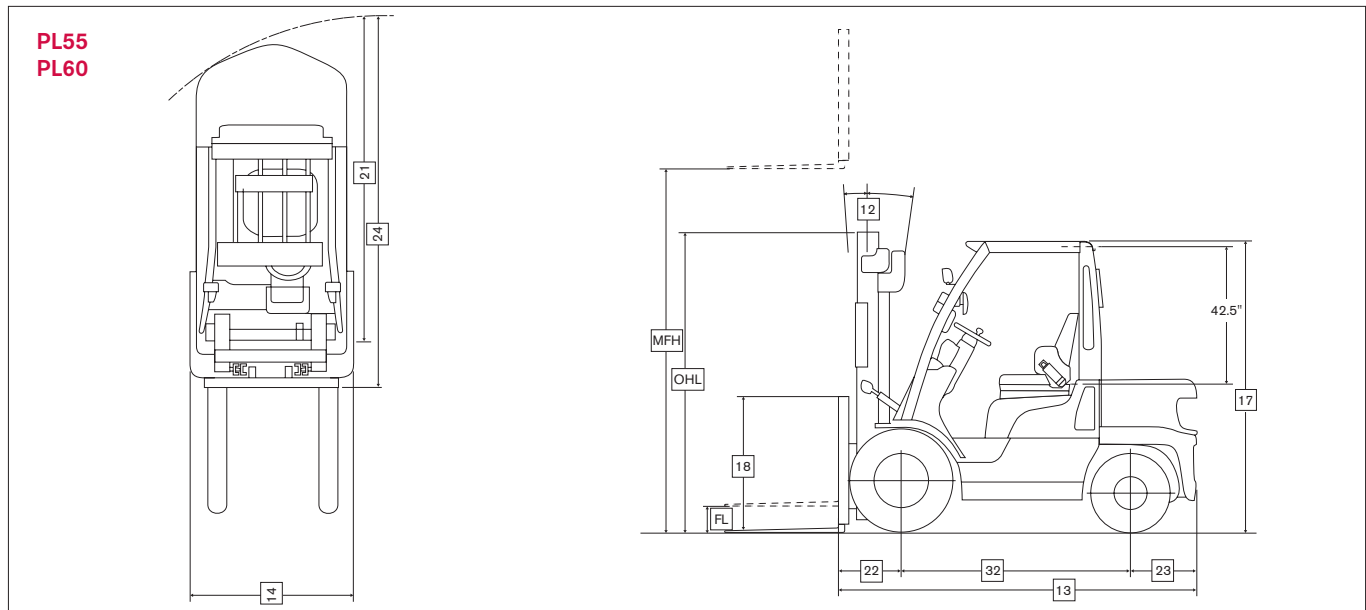
|                  |    |                                |                              |                       |                       |    |
|------------------|----|--------------------------------|------------------------------|-----------------------|-----------------------|----|
| CHARACTERISTICS  | 1  | Manufacturer's Name            |                              | Nissan                | Nissan                | 1  |
|                  | 2  | Model                          | Model designation            | PLU40                 | PLU50                 | 2  |
|                  |    |                                | Long model code              | MUL02A20JV/LV         | MUL02A25JV/LV         |    |
|                  | 3  | Rated Load Capacity            | lb (kg)                      | 4000 (2000)           | 5000 (2500)           | 3  |
|                  | 4  | Load Center                    | Distance                     | 24 (500)              | 24 (500)              | 4  |
|                  | 5  | Power Type                     |                              | Gas - LPG             | Gas - LPG             | 5  |
| DIMENSIONS       | 6  | Operator Orientation           |                              | Sit                   | Sit                   | 6  |
|                  | 7  | Tire Type                      | Front & rear                 | Pneumatic             | Pneumatic             | 7  |
|                  | 8  | Wheels                         | Number (x=driven) front/rear | 2 x / 2               | 2 x / 2               | 8  |
|                  | 9  | Mast                           | Maximum fork height          | 129.5 (3290)          | 129.5 (3290)          | 9  |
|                  | 10 |                                | Standard freelif             | 5.5 (140)             | 5.5 (140)             | 10 |
|                  | 11 | Forks                          | Thickness & width            | 1.5 x 4 (40x100)      | 1.5 x 4 (40x100)      | 11 |
|                  |    |                                | Length                       | 42 (1070)             | 42 (1070)             |    |
|                  | 12 | Tilt Angle                     | Standard mast - fwd/back     | 6/12                  | 6/12                  | 12 |
|                  | 13 | Overall Dimensions             | Length (to face of forks)    | 97.2 (2470)           | 99.4 (2525)           | 13 |
|                  | 14 |                                | Width (standard tires)       | 45.3 (1150)           | 45.3 (1150)           | 14 |
|                  | 15 |                                | Mast lowered (OHL)           | 86 (2184)             | 86 (2184)             | 15 |
|                  | 16 |                                | Mast extended with LBR       | 155.9 (3960)          | 155.9 (3960)          | 16 |
|                  | 17 |                                | Height - top of OHG          | 83.5 (2120)           | 83.5 (2120)           | 17 |
|                  | 18 |                                | Height - top of standard LBR | 48 (1220)             | 48 (1220)             | 18 |
|                  | 19 |                                | Width - standard carriage    | 40.2 (1020)           | 40.2 (1020)           | 19 |
|                  | 20 | Grade Clearance                | Ramp breakover angle         | 44                    | 44                    | 20 |
|                  |    |                                | Departure angle              | 45                    | 37                    |    |
|                  |    |                                | Approach angle               | 32                    | 32                    |    |
| PERFORMANCE      | 21 | Turning Radius                 | Minimum outside              | 83.5 (2120)           | 85.8 (2180)           | 21 |
|                  | 22 | Overhang                       | Front                        | 17.9 (455)            | 17.9 (455)            | 22 |
|                  | 23 |                                | Rear                         | 16.3 (415)            | 18.5 (470)            | 23 |
|                  | 24 | Min right angle stacking aisle | Add load length & clearance  | 101.5 (2578)          | 103.9 (2639)          | 24 |
|                  | 25 | Speeds Maximum                 | Travel - forward or reverse  | 12.1 (19.5)           | 12.1 (19.5)           | 25 |
|                  | 26 |                                | Lift - full/empty            | 129.9/137.8 (660/700) | 129.9/137.8 (660/700) | 26 |
|                  |    |                                | Lowering - full/empty        | 98.4 (500)            | 98.4 (500)            |    |
|                  | 27 | Drawbar Pull Maximum           | LPG or Gasoline - full load  | 4145 (1880)           | 4145 (1880)           | 27 |
| WEIGHT           |    |                                | LPG or Gasoline - empty      | 3439 (1560)           | 3439 (1560)           |    |
|                  | 28 | Gradeability Max (1.2 mph)     | LPG or Gasoline - full/empty | 45 / 28               | 38 / 24               | 28 |
|                  | 29 | Truck Weight                   | Standard truck - no load     | 7352 (3335)           | 8102 (3675)           | 29 |
|                  | 30 | Weight Distribution            | Front axle - empty           | 3428 (1555)           | 3263 (1480)           | 30 |
|                  |    |                                | Rear axle - empty            | 3924 (1780)           | 4839 (2195)           |    |
|                  |    |                                | Front axle - with rated load | 10461 (4745)          | 12059 (5470)          |    |
|                  |    |                                | Rear axle - with rated load  | 1301 (590)            | 1554 (705)            |    |
|                  | 31 | Tire Size                      | Front                        | 7.00-12-12PR          | 7.00-12-12PR          | 31 |
| CHASSIS & WHEELS |    |                                | Rear                         | 6.00-9-10PR           | 6.00-9-10PR           |    |
|                  | 32 | Wheelbase                      | in (mm)                      | 63 (1600)             | 63 (1600)             | 32 |
|                  | 33 | Tread - Center of Tire         | Front / rear                 | 37.8/38.4 (960/975)   | 37.8/38.4 (960/975)   | 33 |
|                  |    |                                | Front dual tires             | 47.4 (1205)           | 47.4 (1205)           |    |
|                  |    | Headroom                       | SIP to bottom of OHG         | 42.5 (1080)           | 42.5 (1080)           |    |
|                  |    | Counterweight Height           | in (mm)                      | 42.1 (1070)           | 42.1 (1070)           |    |
|                  |    | Step Height                    | in (mm)                      | 17.9 (455)            | 17.9 (455)            |    |
|                  | 34 | Ground Clearance               | Under mast                   | 4.5 (115)             | 4.5 (115)             | 34 |
|                  |    |                                | Under power unit             | 5.3 (135)             | 5.3 (135)             |    |
|                  |    |                                | Under frame (WB center)      | 6.1 (155)             | 6.1 (155)             |    |
|                  | 35 | Service Brake                  | Type                         | Drum and Shoe         | Drum and Shoe         | 35 |
| DRIVE LINE       | 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   | 60.3/2700 (61.2/2700) | 60.3/2700 (61.2/2700) |    |
|                  |    | Rated Torque                   | SAE gross/JIS - LPG or Gas   | 142/1600 (19.7/1600)  | 142/1600 (19.7/1600)  |    |
|                  |    | Displacement                   | K25 - 2.5 liter              | 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 pneumatic 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 |      |
|-------------------------------|-----------|---------------------|------------------------|-----------|-------|-----------------------------|------|-----------------------------------|------|
|                               |           |                     |                        | PL55      | PL60  | PL55                        | PL60 | PL55                              | PL60 |
| TWO STAGE<br>(Wide view 2W)   | 2W270     | 106                 | 73.2                   | 6.5       | 6.5   | 6/12                        | 6/12 | 5500                              | 6000 |
|                               | 2W300     | 118                 | 79.1                   | 6.5       | 6.5   | 6/12                        | 6/12 | 5500                              | 6000 |
|                               | 2W330     | 130                 | 85.0                   | 6.5       | 6.5   | 6/12                        | 6/12 | 5500                              | 6000 |
|                               | 2W350     | 138                 | 90.4                   | 6.5       | 6.5   | 6/12                        | 6/12 | 5500                              | 6000 |
|                               | 2W370     | 146                 | 95.3                   | 6.5       | 6.5   | 6/12                        | 6/12 | 5500                              | 6000 |
|                               | 2W400     | 157                 | 102.8                  | 6.5       | 6.5   | 6/6                         | 6/6  | 5500                              | 6000 |
|                               | 2W450     | 177                 | 112.6                  | 6.5       | 6.5   | 6/6                         | 6/6  | 5300                              | 5600 |
|                               | 2W500     | 197                 | 122.4                  | 6.5       | 6.5   | 6/6                         | 6/6  | 4300                              | 5150 |
| TWO STAGE<br>(Full free 2F)   | 2F300     | 118                 | 79.7                   | 53.8      | 53.4  | 6/12                        | 6/12 | 5500                              | 6000 |
|                               | 2F330     | 130                 | 85.6                   | 59.7      | 59.3  | 6/12                        | 6/12 | 5500                              | 6000 |
|                               | 2F350     | 138                 | 90.9                   | 65.1      | 64.6  | 6/12                        | 6/12 | 5500                              | 6000 |
|                               | 2F370     | 146                 | 95.9                   | 70.0      | 70.0  | 6/12                        | 6/12 | 5500                              | 6000 |
|                               | 2F400     | 157                 | 103.3                  | 77.5      | 77.0  | 6/6                         | 6/6  | 5500                              | 5950 |
| THREE STAGE<br>(Full free 3F) | 3F385     | 152                 | 79.7                   | 55.7      | 54.8  | 6/6                         | 6/6  | 5500                              | 6000 |
|                               | 3F430     | 169                 | 85.6                   | 61.6      | 60.7  | 6/6                         | 6/6  | 5300                              | 5800 |
|                               | 3F475     | 187                 | 90.9                   | 66.9      | 66.0  | 6/6                         | 6/6  | 5100                              | 5600 |
|                               | 3F515     | 203                 | 95.9                   | 71.8      | 70.9  | 6/6                         | 6/6  | 4000                              | 4700 |
|                               | 3F550     | 217                 | 103.3                  | 79.3      | 78.4  | 6/6                         | 6/6  | 3200                              | 3700 |
|                               | 3F600     | 236                 | 113.2                  | 89.1      | 88.2  | 6/6                         | 6/6  | 2300                              | 2650 |
|                               | 3F650     | 256                 | 123                    | 99.0      | 98.1  | 6/6                         | 6/6  | 1100                              | 1500 |
|                               | 3F700     | 276                 | 132.9                  | 108.8     | 107.9 | 6/6                         | 6/6  | 550                               | 1000 |
| THREE STAGE<br>Optiview (3V)  | 3V385     | 152                 | 79.7                   | 55.7      | 54.8  | 6/6                         | 6/6  | 5450                              | 5950 |
|                               | 3V430     | 169                 | 85.6                   | 61.6      | 60.7  | 6/6                         | 6/6  | 5300                              | 5750 |
|                               | 3V470     | 185                 | 90.9                   | 66.9      | 66.0  | 6/6                         | 6/6  | 5000                              | 5500 |
|                               | 3V505     | 199                 | 95.9                   | 71.8      | 70.9  | 6/6                         | 6/6  | 3750                              | 4700 |
|                               | 3V555     | 219                 | 103.3                  | 79.3      | 78.4  | 6/6                         | 6/6  | 2800                              | 3700 |
|                               | 3V600     | 236                 | 113.2                  | 89.1      | 88.2  | 6/6                         | 6/6  | 1850                              | 2600 |
|                               | 3V650     | 256                 | 123.0                  | 99.0      | 98.1  | 6/6                         | 6/6  | 1200                              | 1400 |
|                               | 3V700     | 276                 | 132.9                  | 108.8     | 107.9 | 6/6                         | 6/6  | 650                               | 1000 |



# 5,500 / 6,000 lb. capacities

## Main Truck Specifications

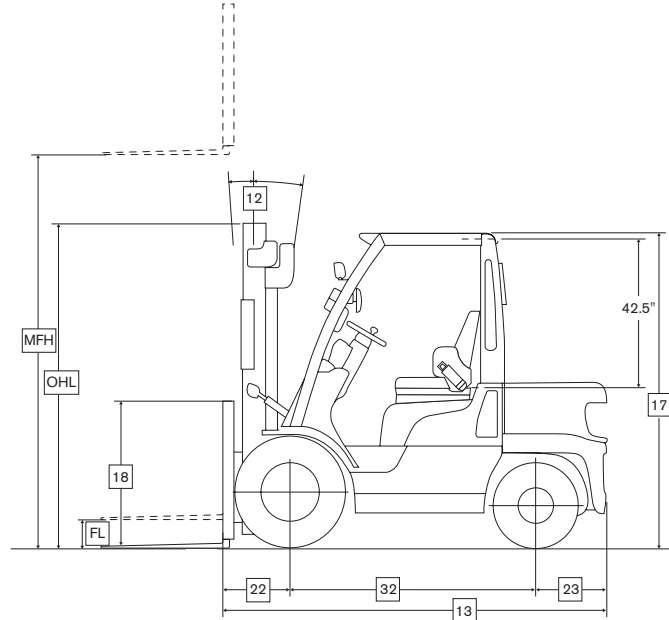
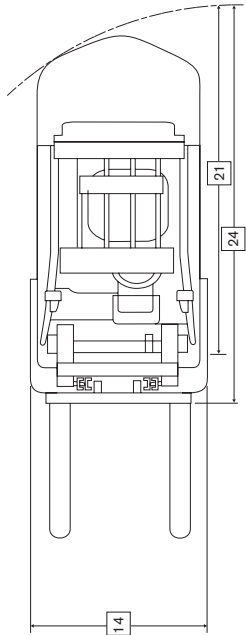
|                  |    |                                |                              |                         |                       |                       |    |
|------------------|----|--------------------------------|------------------------------|-------------------------|-----------------------|-----------------------|----|
| CHARACTERISTICS  | 1  | Manufacturer's Name            |                              |                         | Nissan                | Nissan                | 1  |
|                  | 2  | Model                          | Model designation            |                         | PL55                  | PL60                  | 2  |
|                  |    |                                | Long model code              |                         | MUL02A28JV/LV         | MUGL02A30JV/LV        |    |
|                  | 3  | Rated Load Capacity            |                              | lb (kg)                 | 5500 (2750)           | 6000 (3000)           | 3  |
|                  | 4  | Load Center                    | Distance                     | in (mm)                 | 24 (500)              | 24 (500)              | 4  |
|                  | 5  | Power Type                     |                              |                         | Gas - LPG             | Gas - LPG             | 5  |
| DIMENSIONS       | 6  | Operator Orientation           |                              |                         | Sit                   | Sit                   | 6  |
|                  | 7  | Tire Type                      | Front & rear                 |                         | Pneumatic             | Pneumatic             | 7  |
|                  | 8  | Wheels                         | Number (x=driven) front/rear |                         | 2 x / 2               | 2 x / 2               | 8  |
|                  | 9  | Mast                           | Maximum fork height          | in (mm)                 | 129.5 (3290)          | 129.5 (3290)          | 9  |
|                  | 10 |                                | Standard freelif             | in (mm)                 | 5.5 (140)             | 5.5 (140)             | 10 |
|                  | 11 | Forks                          | Thickness & width            | in (mm)                 | 1.5 x 4 (40x100)      | 2 x 5 (50 x 125)      | 11 |
|                  |    |                                | Length                       | in (mm)                 | 42 (1070)             | 42 (1070)             |    |
|                  | 12 | Tilt Angle                     | Standard mast - fwd/back     | degree                  | 6/12                  | 6/12                  | 12 |
|                  | 13 | Overall Dimensions             | Length (to face of forks)    | in (mm)                 | 103.4 (2625)          | 105.7 (2685)          | 13 |
|                  | 14 |                                | Width (standard tires)       | in (mm)                 | 49.2 (1250)           | 49.2 (1250)           | 14 |
|                  | 15 |                                | Mast lowered (OHL)           | in (mm)                 | 86 (2184)             | 86 (2184)             | 15 |
|                  | 16 |                                | Mast extended with LBR       | in (mm)                 | 163 (4140)            | 163 (4140)            | 16 |
|                  | 17 |                                | Height - top of OHG          | in (mm)                 | 84.6 (2150)           | 84.6 (2150)           | 17 |
|                  | 18 |                                | Height - top of standard LBR | in (mm)                 | 48 (1220)             | 48 (1220)             | 18 |
| PERFORMANCE      | 19 |                                | Width - standard carriage    | in (mm)                 | 40.2 (1020)           | 40.2 (1020)           | 19 |
|                  | 20 | Grade Clearance                | Ramp breakover angle         | tan (%)                 | 52                    | 49                    | 20 |
|                  |    |                                | Departure angle              | tan (%)                 | 42                    | 43                    |    |
|                  |    |                                | Approach angle               | tan (%)                 | 41                    | 41                    |    |
|                  | 21 | Turning Radius                 | Minimum outside              | in (mm)                 | 88.2 (2240)           | 90.6 (2300)           | 21 |
|                  | 22 | Overhang                       | Front                        | in (mm)                 | 19.1 (485)            | 19.1 (485)            | 22 |
|                  | 23 |                                | Rear                         | in (mm)                 | 20.5 (520)            | 19.7 (500)            | 23 |
|                  | 24 | Min right angle stacking aisle | Add load length & clearance  | in (mm)                 | 107.4 (2728)          | 110.8 (2814)          | 24 |
|                  | 25 | Speeds Maximum                 | Travel - forward or reverse  | mph (kmh)               | 12.1 (19.5)           | 12.1 (19.5)           | 25 |
|                  | 26 |                                | Lift - full/empty            | fpm (mm/sec)            | 104.3/114.1 (530/580) | 104.3/114.1 (530/580) | 26 |
| WEIGHT           |    |                                | Lowering - full/empty        | fpm (mm/sec)            | 98.4 (500)            | 98.4 (500)            |    |
|                  | 27 | Drawbar Pull Maximum           | LPG or Gasoline - full load  | lb (kg)                 | 4101(1860)            | 4101(1860)            | 27 |
|                  |    |                                | LPG or Gasoline - full empty | lb (kg)                 | 4057(1840)            | 4167(1890)            |    |
|                  | 28 | Gradeability Max (1.2 mph)     | LPG or Gasoline - full/empty | tan (%)                 | 37 / 25               | 31 / 24               | 28 |
|                  | 29 | Truck Weight                   | Standard truck - no load     | lb (kg)                 | 9094 (4125)           | 9381 (4255)           | 29 |
|                  | 30 | Weight Distribution            | Front axle - empty           | lb (kg)                 | 3605 (1635)           | 3770 (1710)           | 30 |
|                  |    |                                | Rear axle - empty            | lb (kg)                 | 5490 (2490)           | 5611 (2545)           |    |
|                  |    |                                | Front axle - with rated load | lb (kg)                 | 13448 (6100)          | 14209 (6445)          |    |
| CHASSIS & WHEELS |    |                                | Rear axle - with rated load  | lb (kg)                 | 1709 (775)            | 1786 (810)            |    |
|                  | 31 | Tire Size                      | Front                        | in                      | 28 x 9-15-12PR        | 28 x 9-15-12PR        | 31 |
|                  |    |                                | Rear                         | in                      | 6.50-10-10PR          | 6.50-10-10PR          |    |
|                  | 32 | Wheelbase                      |                              | in (mm)                 | 63.8 (1620)           | 66.9 (1700)           | 32 |
|                  | 33 | Tread - Center of Tire         | Front / rear                 | in (mm)                 | 40.6/38.6 (1030/980)  | 40.6/38.6 (1030/980)  | 33 |
|                  |    |                                | Front dual tires             | in (mm)                 | 47.6(1210)            | 47.6 (1210)           |    |
|                  |    | Headroom                       | SIP to bottom of OHG         | in (mm)                 | 42.5 (1080)           | 42.5 (1080)           |    |
|                  |    | Counterweight Height           |                              | in (mm)                 | 43.3 (1100)           | 43.3 (1100)           |    |
|                  |    | Step Height                    |                              | in (mm)                 | 19.1 (485)            | 19.1 (485)            |    |
|                  | 34 | Ground Clearance               | Under mast                   | in (mm)                 | 5.7 (145)             | 5.7 (145)             | 34 |
|                  |    |                                | Under power unit             | in (mm)                 | 6.5 (165)             | 6.5 (165)             |    |
|                  |    |                                | Under frame (WB center)      | in (mm)                 | 7.3 (185)             | 7.3 (185)             |    |
| DRIVE LINE       | 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)          |    |
|                  | 39 | Transmission                   | Type                         |                         | Automatic             | Automatic             | 39 |
|                  |    |                                | Number speeds - fwd/rev      |                         | 1/1                   | 1/1                   |    |

\* Calculations not representative of maximum gradeability values.

# Platinum pneumatic series

## Dimensions

PL70



## Mast Specifications & Rated Capacities

| PL70                          | Mast Name | Maximum Fork Height | Overall Height Lowered | Free Lift | Tilt Angle Forward/Backward | Rated Capacity at 24" Load Center |
|-------------------------------|-----------|---------------------|------------------------|-----------|-----------------------------|-----------------------------------|
| TWO STAGE<br>(Wide view 2W)   | 2W300     | 118                 | 85.8                   | 5.9       | 6/12                        | 7000                              |
|                               | 2W330     | 130                 | 90.6                   | 5.9       | 6/12                        | 7000                              |
|                               | 2W355     | 140                 | 96.3                   | 5.9       | 6/12                        | 7000                              |
|                               | 2W370     | 146                 | 98.8                   | 5.9       | 6/12                        | 7000                              |
|                               | 2W400     | 157                 | 108.9                  | 5.9       | 6/6                         | 6900                              |
|                               | 2W450     | 177                 | 118.5                  | 5.9       | 6/6                         | 6800                              |
|                               | 2W500     | 197                 | 128.3                  | 5.9       | 6/6                         | 6600                              |
| TWO STAGE<br>(Full free 2F)   | 2F300     | 118                 | 85.8                   | 55.7      | 6/12                        | 7000                              |
|                               | 2F330     | 130                 | 90.6                   | 60.4      | 6/12                        | 7000                              |
|                               | 2F350     | 138                 | 96.3                   | 66.1      | 6/12                        | 7000                              |
|                               | 2F400     | 157                 | 108.9                  | 78.7      | 6/6                         | 6900                              |
| THREE STAGE<br>(Full free 3F) | 3F355     | 140                 | 74.2                   | 43.5      | 6/6                         | 7000                              |
|                               | 3F400     | 157                 | 80.1                   | 49.4      | 6/6                         | 7000                              |
|                               | 3F445     | 175                 | 86.0                   | 55.4      | 6/6                         | 6800                              |
|                               | 3F485     | 191                 | 91.3                   | 60.7      | 6/6                         | 6600                              |
|                               | 3F520     | 205                 | 96.3                   | 65.6      | 6/6                         | 6300                              |
|                               | 3F570     | 224                 | 103.7                  | 73.1      | 6/6                         | 5300                              |
|                               | 3F620     | 244                 | 113.6                  | 82.9      | 6/6                         | 3500                              |
|                               | 3F670     | 264                 | 123.4                  | 92.8      | 6/6                         | 2500                              |
| THREE STAGE<br>Optiview (3V)  | 3V385     | 152                 | 80.1                   | 49.4      | 6/6                         | 7000                              |
|                               | 3V430     | 169                 | 86                     | 55.4      | 6/6                         | 6900                              |
|                               | 3V470     | 185                 | 91.3                   | 60.7      | 6/6                         | 6700                              |
|                               | 3V505     | 199                 | 96.3                   | 65.6      | 6/6                         | 6500                              |
|                               | 3V555     | 219                 | 103.7                  | 73.1      | 6/6                         | 6200                              |
|                               | 3V600     | 236                 | 113.6                  | 82.9      | 6/6                         | 4400                              |
|                               | 3V650     | 256                 | 123.4                  | 92.8      | 6/6                         | 3200                              |
|                               | 3V700     | 276                 | 133.3                  | 102.6     | 6/6                         | 3000                              |

# 7,000 lb. capacity

## Main Truck Specifications

|                  |    |                                |                              |                         |                       |
|------------------|----|--------------------------------|------------------------------|-------------------------|-----------------------|
| CHARACTERISTICS  | 1  | Manufacturer's Name            |                              | Nissan                  | 1                     |
|                  | 2  | Model                          | Model designation            | PL70                    | 2                     |
|                  |    |                                | Long model code              | MUGL02F35JV/LV          |                       |
|                  | 3  | Rated Load Capacity            | lb (kg)                      | 7000 (3500)             | 3                     |
|                  | 4  | Load Center                    | Distance                     | 24 (500)                | 4                     |
|                  | 5  | Power Type                     |                              | Gas - LPG               | 5                     |
| DIMENSIONS       | 6  | Operator Orientation           |                              | Sit                     | 6                     |
|                  | 7  | Tire Type                      | Front & rear                 | Pneumatic               | 7                     |
|                  | 8  | Wheels                         | Number (x=driven) front/rear | 2 x / 2                 | 8                     |
|                  | 9  | Mast                           | Maximum fork height          | 130 (3300)              | 9                     |
|                  | 10 |                                | Standard freelif             | 5.9 (150)               | 10                    |
|                  | 11 | Forks                          | Thickness & width            | 2 x 5 (50 x 125)        | 11                    |
|                  |    |                                | Length                       | 42 (1070)               |                       |
|                  | 12 | Tilt Angle                     | Standard mast - fwd/back     | 6/12                    | 12                    |
|                  | 13 | Overall Dimensions             | Length (to face of forks)    | 108.5 (2755)            | 13                    |
|                  | 14 |                                | Width (standard tires)       | 50.4 (1280)             | 14                    |
|                  | 15 |                                | Mast lowered (OHL)           | 90.6 (2300)             | 15                    |
|                  | 16 |                                | Mast extended with LBR       | 159.7 (4055)            | 16                    |
|                  | 17 |                                | Height - top of OHG          | 84.8 (2155)             | 17                    |
|                  | 18 |                                | Height - top of standard LBR | 48 (1220)               | 18                    |
|                  | 19 |                                | Width - standard carriage    | 39.4 (1000)             | 19                    |
|                  | 20 | Grade Clearance                | Ramp breakover angle         | 51                      | 20                    |
|                  |    |                                | Departure angle              | 39                      |                       |
|                  |    |                                | Approach angle               | 51                      |                       |
| PERFORMANCE      | 21 | Turning Radius                 | Minimum outside              | 94.1 (2390)             | 21                    |
|                  | 22 | Overhang                       | Front                        | 19.3 (490)              | 22                    |
|                  | 23 |                                | Rear                         | 22.2 (565)              | 23                    |
|                  | 24 | Min right angle stacking aisle | Add load length & clearance  | 113.5 (2883)            | 24                    |
|                  | 25 | Speeds Maximum                 | Travel - forward or reverse  | 11.8 (19)               | 25                    |
|                  | 26 |                                | Lift - full/empty            | 88.6/92.5 (450/470)     | 26                    |
|                  |    |                                | Lowering - full/empty        | 82.7/70.8 (420/360)     |                       |
|                  | 27 | Drawbar Pull Maximum           | LPG or Gasoline - full load  | 3990 (1880)             | 27                    |
| WEIGHT           |    |                                | LPG or Gasoline - full empty | 3968 (1800)             |                       |
|                  | 28 | Gradeability Max (1.2 mph)     | LPG or Gasoline - full/empty | 26 / 22                 | 28                    |
|                  | 29 | Truck Weight                   | Standard truck - no load     | 10428 (4730)            | 29                    |
|                  | 30 | Weight Distribution            | Front axle - empty           | 3825 (1735)             | 30                    |
|                  |    |                                | Rear axle - empty            | 6603 (2995)             |                       |
|                  |    |                                | Front axle - with rated load | 16017 (7265)            |                       |
|                  |    |                                | Rear axle - with rated load  | 2127 (965)              |                       |
|                  | 31 | Tire Size                      | Front                        | 250-15-16PR             | 31                    |
| CHASSIS & WHEELS |    |                                | Rear                         | 6.50-10-12PR            |                       |
|                  | 32 | Wheelbase                      | in (mm)                      | 66.9 (1700)             | 32                    |
|                  | 33 | Tread - Center of Tire         | Front / rear                 | 41.7/38.6 (1060/980)    | 33                    |
|                  |    |                                | Front dual tires             | 48.4 (1230)             |                       |
|                  |    | Headroom                       | SIP to bottom of OHG         | 42.5                    |                       |
|                  |    | Counterweight Height           | in (mm)                      | 43.5 (1105)             |                       |
|                  |    | Step Height                    | in (mm)                      | 19.3 (490)              |                       |
|                  | 34 | Ground Clearance               | Under mast                   | 5.9 (150)               | 34                    |
|                  |    |                                | Under power unit             | 6.7 (170)               |                       |
|                  |    |                                | Under frame (WB center)      | 7.5 (190)               |                       |
| DRIVE LINE       | 35 | Service Brake                  | Type                         | Drum and Shoe           | 35                    |
|                  | 36 | Parking Brake                  | Type                         | Hand                    | 36                    |
|                  | 37 | Steering                       | Type                         | Full Hydraulic          | 37                    |
|                  | 38 | Engine                         | Model                        | Nissan K25              | 38                    |
|                  |    | Rated Output                   | SAE gross/JIS - LPG or Gas   | hp/rpm (PS/rpm)         | 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)  |
|                  |    | Displacement                   |                              | cu in (cm) <sup>3</sup> | 151.8 (2488)          |
|                  | 39 | Transmission                   | Type                         | Automatic               | 39                    |
|                  |    |                                | Number speeds - fwd/rev      | 1/1                     |                       |

\* Calculations not representative of maximum gradeability values.

# Diesel Engine Trucks

## Main Truck Specifications 4,000 / 5,000 / 5,500 lb. capacities

| CHARACTERISTICS  | 1  | Manufacturer's Name            |                              |                         | Nissan               | Nissan               | Nissan               | 1  |
|------------------|----|--------------------------------|------------------------------|-------------------------|----------------------|----------------------|----------------------|----|
|                  | 2  | Model                          | Model designation            |                         | PLD40                | PLD50                | PLD55                | 2  |
|                  |    |                                | Long model code              |                         | MYL02A20V            | MYL02A25V            | MYL02A28V            |    |
|                  | 3  | Rated Load Capacity            |                              | lb (kg)                 | 4000 (2000)          | 5000 (2500)          | 5500 (2750)          | 3  |
|                  | 4  | Load Center                    | Distance                     | in (mm)                 | 24 (500)             | 24 (500)             | 24 (500)             | 4  |
|                  | 5  | Power Type                     |                              |                         | Diesel               | Diesel               | Diesel               | 5  |
|                  | 6  | Operator Orientation           |                              |                         | Sit                  | Sit                  | Sit                  | 6  |
|                  | 7  | Tire Type                      | Front & rear                 |                         | Pneumatic            | Pneumatic            | Pneumatic            | 7  |
| DIMENSIONS       | 8  | Wheels                         | Number (x=driven) front/rear |                         | 2 x / 2              | 2 x / 2              | 2 x / 2              | 8  |
|                  | 9  | Mast                           | Maximum fork height          | in (mm)                 | 129.5 (3290)         | 129.5 (3290)         | 129.5 (3290)         | 9  |
|                  | 10 |                                | Standard freelif             | in (mm)                 | 5.5 (140)            | 5.5 (140)            | 5.5 (140)            | 10 |
|                  | 11 | Forks                          | Thickness & width            | in (mm)                 | 1.5 x 4 (40x100)     | 1.5 x 4 (40x100)     | 1.5 x 4 (40x100)     | 11 |
|                  |    |                                | Length                       | in (mm)                 | 42 (1070)            | 42 (1070)            | 42 (1070)            |    |
|                  | 12 | Tilt Angle                     | Standard mast - fwd/back     | degree                  | 6/12                 | 6/12                 | 6/12                 | 12 |
|                  | 13 | Overall Dimensions             | Length (to face of forks)    | in (mm)                 | 97.2 (2470)          | 99.4 (2525)          | 103.4 (2625)         | 13 |
|                  | 14 |                                | Width (standard tires)       | in (mm)                 | 45.3 (1150)          | 45.3 (1150)          | 49.2 (1250)          | 14 |
|                  | 15 |                                | Mast lowered (OHL)           | in (mm)                 | 86 (2184)            | 86 (2184)            | 86 (2184)            | 15 |
|                  | 16 |                                | Mast extended with LBR       | in (mm)                 | 155.9 (3960)         | 155.9 (3960)         | 163 (4140)           | 16 |
|                  | 17 |                                | Height - top of OHG          | in (mm)                 | 83.5 (2120)          | 83.5 (2120)          | 84.6 (2150)          | 17 |
|                  | 18 |                                | Height - top of standard LBR | in (mm)                 | 48 (1220)            | 48 (1220)            | 48 (1220)            | 18 |
|                  | 19 |                                | Width - standard carriage    | in (mm)                 | 40.2 (1020)          | 40.2 (1020)          | 40.2 (1020)          | 19 |
|                  | 20 | Grade Clearance                | Ramp breakover angle         | tan (%)                 | 44                   | 44                   | 52                   | 20 |
|                  |    |                                | Departure angle              | tan (%)                 | 45                   | 37                   | 42                   |    |
|                  |    |                                | Approach angle               | tan (%)                 | 32                   | 32                   | 41                   |    |
| PERFORMANCE      | 21 | Turning Radius                 | Minimum outside              | in (mm)                 | 83.5 (2120)          | 85.8 (2180)          | 88.2 (2240)          | 21 |
|                  | 22 | Overhang                       | Front                        | in (mm)                 | 17.9 (455)           | 17.9 (455)           | 19.1 (485)           | 22 |
|                  | 23 |                                | Rear                         | in (mm)                 | 16.3 (415)           | 18.5 (470)           | 20.5 (520)           | 23 |
|                  | 24 | Min right angle stacking aisle | Add load length & clearance  | in (mm)                 | 101.5 (2578)         | 103.9 (2639)         | 107.4 (2728)         | 24 |
| WEIGHT           | 25 | Speeds Maximum                 | Travel - forward or reverse  | mph (kmh)               | 12.1 (19.5)          | 12.1 (19.5)          | 11.8 (19)            | 25 |
|                  | 26 |                                | Lift - full load             | fpm (mm/sec)            | 127.9(650)           | 127.9(650)           | 106.3 (540)          | 26 |
|                  |    |                                | Lift - empty                 | fpm (mm/sec)            | 137.8(700)           | 137.8(700)           | 114.1(580)           |    |
|                  |    |                                | Lowering - full/empty        | fpm (mm/sec)            | 98.4 (500)           | 98.4 (500)           | 98.4 (500)           |    |
| CHASSIS & WHEELS | 27 | Drawbar Pull Maximum           | Full                         | lb (kg)                 | 4497(2040)           | 4497 (2040)          | 4211 (1910)          | 27 |
|                  |    |                                | Empty                        | lb (kg)                 | 3616 (1640)          | 3858 (1750)          | 3858 (1750)          |    |
|                  | 28 | Gradeability Max (1.2 mph)     | Full / empty                 | tan (%)                 | 41 / 28              | 35 / 24              | 31 / 25              | 28 |
|                  | 29 | Truck Weight                   | Standard truck - no load     | lb (kg)                 | 7683 (3485)          | 8433 (3825)          | 9303 (4220)          | 29 |
| DRIVE LINE       | 30 | Weight Distribution            | Front axle - empty           | lb (kg)                 | 3571 (1620)          | 3406 (1545)          | 3627 (1645)          | 30 |
|                  |    |                                | Rear axle - empty            | lb (kg)                 | 4112 (1865)          | 5027 (2280)          | 5677 (2575)          |    |
|                  |    |                                | Front axle - with rated load | lb (kg)                 | 10604 (4810)         | 12203 (5535)         | 13470 (6110)         |    |
|                  |    |                                | Rear axle - with rated load  | lb (kg)                 | 1488 (675)           | 1742 (790)           | 1896 (860)           |    |
|                  | 31 | Tire Size                      | Front                        | in                      | 7.00-12-12PR         | 7.00-12-12PR         | 28 x 9-15-12PR       | 31 |
|                  |    |                                | Rear                         | in                      | 6.00-9-10PR          | 6.00-9-10PR          | 6.50-10-10PR         |    |
|                  | 32 | Wheelbase                      |                              | in (mm)                 | 63 (1600)            | 63 (1600)            | 63.8 (1620)          | 32 |
|                  | 33 | Tread - Center of Tire         | Front                        | in (mm)                 | 37.8 (960)           | 37.8 (960)           | 40.6 (1030)          | 33 |
|                  |    |                                | Rear                         | in (mm)                 | 38.4 (975)           | 38.4 (975)           | 38.6 (980)           |    |
|                  |    |                                | Front dual tires             | in (mm)                 | 47.4 (1205)          | 47.4 (1205)          | 47.6(1210)           |    |
|                  |    | Headroom                       | SIP to bottom of OHG         | in (mm)                 | 42.5 (1080)          | 42.5 (1080)          | 42.5 (1080)          |    |
|                  |    | Counterweight Height           |                              | in (mm)                 | 42.1 (1070)          | 42.1 (1070)          | 43.3 (1100)          |    |
|                  |    | Step Height                    |                              | in (mm)                 | 17.9 (455)           | 17.9 (455)           | 19.1 (485)           |    |
|                  | 34 | Ground Clearance               | Under mast                   | in (mm)                 | 4.5 (115)            | 4.5 (115)            | 5.7 (145)            | 34 |
|                  |    |                                | Under power unit             | in (mm)                 | 5.3 (135)            | 5.3 (135)            | 6.5 (165)            |    |
|                  |    |                                | Under frame (WB center)      | in (mm)                 | 6.1 (155)            | 6.1 (155)            | 7.3 (185)            |    |
|                  | 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 |
|                  | 38 | Engine                         | Model                        |                         | S4S                  | S4S                  | S4S                  | 38 |
|                  |    | Rated Output                   | SAE gross / JIS              | hp/rpm (PS/rpm)         | 59/2200 (60/2200)    | 59/2200 (60/2200)    | 59/2200 (60/2200)    |    |
|                  |    | Rated Torque                   | SAE gross / JIS              | ft-lb/rpm (kg-m/rpm)    | 150/1400 (20.7/1400) | 150/1400 (20.7/1400) | 150/1400 (20.7/1400) |    |
|                  |    | Displacement                   |                              | cu in (cm) <sup>3</sup> | 203.2 (3331)         | 203.2 (3331)         | 203.2 (3331)         |    |
|                  | 39 | Transmission                   | Type                         |                         | Automatic            | Automatic            | Automatic            | 39 |
|                  |    |                                | Number speeds - fwd/rev      |                         | 1/1                  | 1/1                  | 1/1                  |    |

\* Calculations not representative of maximum gradeability values.

# Diesel Engine Trucks

## Main Truck Specifications 6,000 / 7,000 lb. capacities

|                  |    |                                |                              |                 |                         |                      |    |
|------------------|----|--------------------------------|------------------------------|-----------------|-------------------------|----------------------|----|
| CHARACTERISTICS  | 1  | Manufacturer's Name            |                              |                 | Nissan                  | Nissan               | 1  |
|                  | 2  | Model                          | Model designation            |                 | PLD60                   | PLD70                | 2  |
|                  |    |                                | Long model code              |                 | MYL02A30V               | MYL02A35V            |    |
|                  | 3  | Rated Load Capacity            |                              | lb (kg)         | 6000 (3000)             | 7000 (3500)          | 3  |
|                  | 4  | Load Center                    | Distance                     | in (mm)         | 24 (500)                | 24 (500)             | 4  |
|                  | 5  | Power Type                     |                              |                 | Diesel                  | Diesel               | 5  |
| DIMENSIONS       | 6  | Operator Orientation           |                              |                 | Sit                     | Sit                  | 6  |
|                  | 7  | Tire Type                      | Front & rear                 |                 | Pneumatic               | Pneumatic            | 7  |
|                  | 8  | Wheels                         | Number (x=driven) front/rear |                 | 2 x / 2                 | 2 x / 2              | 8  |
|                  | 9  | Mast                           | Maximum fork height          | in (mm)         | 129.5 (3290)            | 129.5 (3290)         | 9  |
|                  | 10 |                                | Standard freelif             | in (mm)         | 5.5 (140)               | 5.9 (150)            | 10 |
|                  | 11 | Forks                          | Thickness & width            | in (mm)         | 2 x 5 (50 x 125)        | 2 x 5 (50 x 125)     | 11 |
|                  |    |                                | Length                       | in (mm)         | 42 (1070)               | 42 (1070)            |    |
|                  | 12 | Tilt Angle                     | Standard mast - fwd/back     | degree          | 6/12                    | 6/12                 | 12 |
|                  | 13 | Overall Dimensions             | Length (to face of forks)    | in (mm)         | 105.7 (2685)            | 108.5 (2755)         | 13 |
|                  | 14 |                                | Width (standard tires)       | in (mm)         | 49.2 (1250)             | 50.4 (1280)          | 14 |
|                  | 15 |                                | Mast lowered (OHL)           | in (mm)         | 86 (2184)               | 90.6 (2300)          | 15 |
|                  | 16 |                                | Mast extended with LBR       | in (mm)         | 163 (4140)              | 159.7 (4055)         | 16 |
|                  | 17 |                                | Height - top of OHG          | in (mm)         | 84.6 (2150)             | 84.8 (2155)          | 17 |
|                  | 18 |                                | Height - top of standard LBR | in (mm)         | 48 (1220)               | 48 (1220)            | 18 |
|                  | 19 |                                | Width - standard carriage    | in (mm)         | 40.2 (1020)             | 39.4 (1000)          | 19 |
|                  | 20 | Grade Clearance                | Ramp breakover angle         | tan (%)         | 49                      | 51                   | 20 |
|                  |    |                                | Departure angle              | tan (%)         | 43                      | 39                   |    |
|                  |    |                                | Approach angle               | tan (%)         | 41                      | 51                   |    |
|                  | 21 | Turning Radius                 | Minimum outside              | in (mm)         | 90.6 (2300)             | 94.1 (2390)          | 21 |
|                  | 22 | Overhang                       | Front                        | in (mm)         | 19.1 (485)              | 19.3 (490)           | 22 |
|                  | 23 |                                | Rear                         | in (mm)         | 19.7 (500)              | 22.2 (565)           | 23 |
|                  | 24 | Min right angle stacking aisle | Add load length & clearance  | in (mm)         | 110.8 (2814)            | 113.5 (2883)         | 24 |
| PERFORMANCE      | 25 | Speeds Maximum                 | Travel - forward or reverse  | mph (kmh)       | 11.8 (19)               | 11.8 (19)            | 25 |
|                  | 26 |                                | Lift - full load             | fpm (mm/sec)    | 106.3 (540)             | 86.6 (440)           | 26 |
|                  |    |                                | Lift - empty                 | fpm (mm/sec)    | 114.1 (580)             | 94.5 (480)           |    |
|                  |    |                                | Lowering - full/empty        | fpm (mm/sec)    | 98.4 (500)              | 82.7/70.8 (420/360)  |    |
|                  | 27 | Drawbar Pull Maximum           | Full                         | lb (kg)         | 4277 (1940)             | 4012 (1820)          | 27 |
|                  |    |                                | Empty                        | lb (kg)         | 3858 (1750)             | 3682 (1670)          |    |
| WEIGHT           | 28 | Gradeability Max (1.2 mph)     | Full / empty                 | tan (%)         | 28 / 25                 | 23 / 22              | 28 |
|                  | 29 | Truck Weight                   | Standard truck - no load     | lb (kg)         | 9513 (4315)             | 10560 (4790)         | 29 |
|                  | 30 | Weight Distribution            | Front axle - empty           | lb (kg)         | 3748 (1700)             | 3814 (1730)          | 30 |
|                  |    |                                | Rear axle - empty            | lb (kg)         | 5765 (2615)             | 6746 (3060)          |    |
|                  |    |                                | Front axle - with rated load | lb (kg)         | 14198 (6440)            | 15995 (7255)         |    |
|                  |    |                                | Rear axle - with rated load  | lb (kg)         | 1929 (875)              | 2282 (1035)          |    |
| CHASSIS & WHEELS | 31 | Tire Size                      | Front                        | in              | 28 x 9-15-12PR          | 250-15-16PR          | 31 |
|                  |    |                                | Rear                         | in              | 6.50-10-10PR            | 6.50-10-12PR         |    |
|                  | 32 | Wheelbase                      |                              | in (mm)         | 66.9 (1700)             | 66.9 (1700)          | 32 |
|                  | 33 | Tread - Center of Tire         | Front                        | in (mm)         | 40.6 (1030)             | 41.7 (1060)          | 33 |
|                  |    |                                | Rear                         | in (mm)         | 38.6 (980)              | 38.6 (980)           |    |
|                  |    |                                | Front dual tires             | in (mm)         | 47.6 (1210)             | 48.4 (1230)          |    |
|                  |    | Headroom                       | SIP to bottom of OHG         | in (mm)         | 42.5 (1080)             | 42.5 (1080)          |    |
|                  |    | Counterweight Height           |                              | in (mm)         | 43.3 (1100)             | 43.5 (1105)          |    |
|                  |    | Step Height                    |                              | in (mm)         | 19.1 (485)              | 19.3 (490)           |    |
|                  | 34 | Ground Clearance               | Under mast                   | in (mm)         | 5.7 (145)               | 5.9 (150)            | 34 |
|                  |    |                                | Under power unit             | in (mm)         | 6.5 (165)               | 6.7 (170)            |    |
|                  |    |                                | Under frame (WB center)      | in (mm)         | 7.3 (185)               | 7.5 (190)            |    |
| DRIVE LINE       | 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                        |                 | S4S                     | S4S                  | 38 |
|                  |    |                                | Rated Output                 | SAE gross / JIS | hp/rpm (PS/rpm)         | 59/2200 (60/2200)    |    |
|                  |    |                                | Rated Torque                 | SAE gross / JIS | ft-lb/rpm (kg-m/rpm)    | 150/1400 (20.7/1400) |    |
|                  |    |                                | Displacement                 |                 | cu in (cm) <sup>3</sup> | 203.2 (3331)         |    |
|                  | 39 | Transmission                   | Type                         |                 | Automatic               | Automatic            | 39 |
|                  |    |                                | Number speeds - fwd/rev      |                 | 1/1                     | 1/1                  |    |

\* 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)
- S4S (3.3 liter) low emission diesel engine
- Drive by wire throttle control
- Engine protection system<sup>1</sup>
- Cushioned stability control
- Low fuel warning light (LPG)
- 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)<sup>2</sup>
- 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<sup>1</sup>
- Dual fuel engine for LPG and Gasoline
- UL safety ratings available for all fuel types (LPG, Gasoline, Dual Fuel, Diesel)
- Swing-down LP bracket
- Separate lift & tilt pistol-grip levers
- Steering wheel with spinner knob
- Reduced-noise package
- Rain guard
- Recycler special package
- Extra tilt
- Open core radiator with straight fin & in-line tube design
- Radiator screen
- Anti-corrosion package
- Overhead guard mounted pre-cleaner
- Block heater (diesel models only)
- Rear combination light package
- Rotating beacons & strobe lights
- Rear work light

<sup>1</sup> Available on Gasoline, LPG and dual fuel models only.

<sup>2</sup> Available on 3000–5500 lb. capacity models only.



# Technical Information **pneumatic 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

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 (also available on diesel models) 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

### Gasoline/LP-Gas/Dual Fuel

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.

### Diesel

Diesel engines have never been cleaner than in the Platinum Series with black smoke nearly eliminated and fuel consumption improved. These engines meet all EPA Tier II specifications. (Not available on all models.)

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## Enhanced Work Environment

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

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

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.



# Option Availability

## Platinum Series Pneumatic Models

Standard ☒ S Option ☐ O

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

\* Not available on 7000-lb. models using 2-stage masts.



3000-lb, 3500-lb, 4000-lb



4000-lb, 5000-lb, 5500-lb



6000-lb, 7000-lb

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

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**FORKLIFT**



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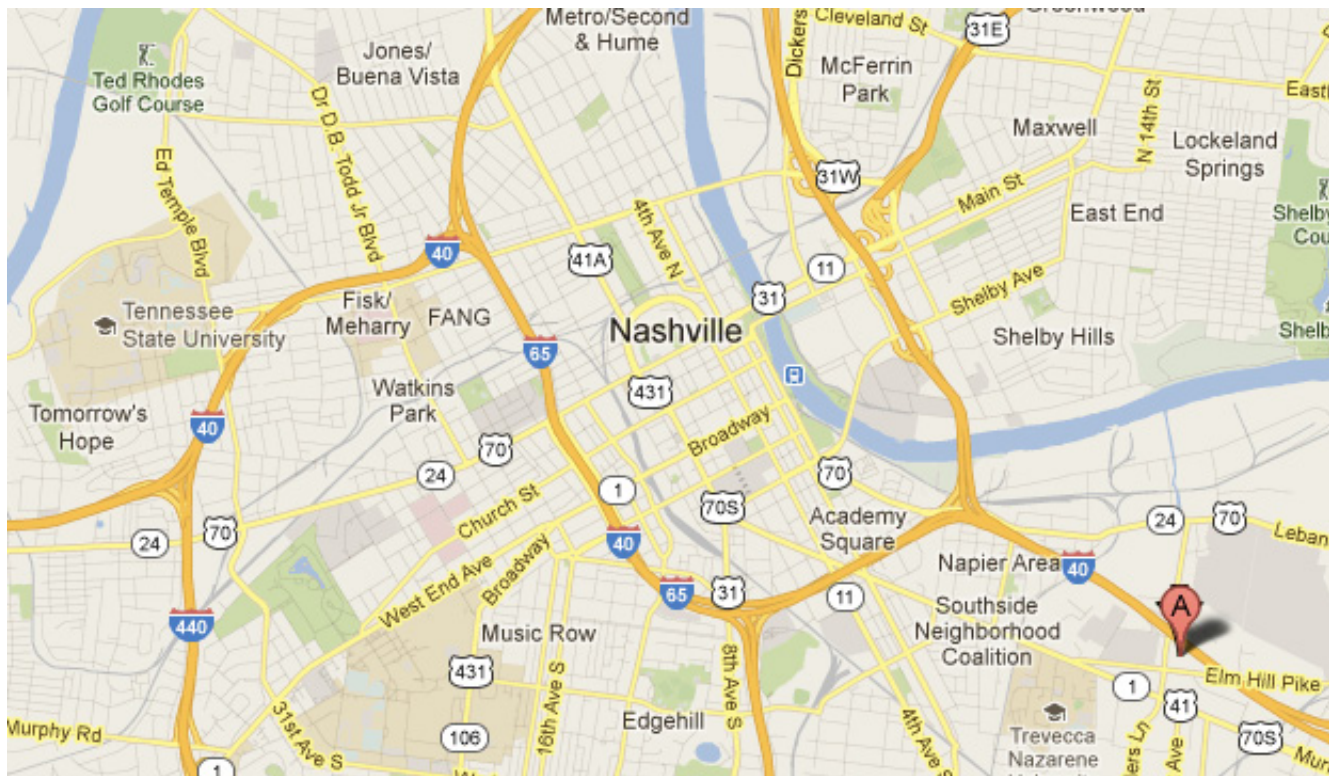
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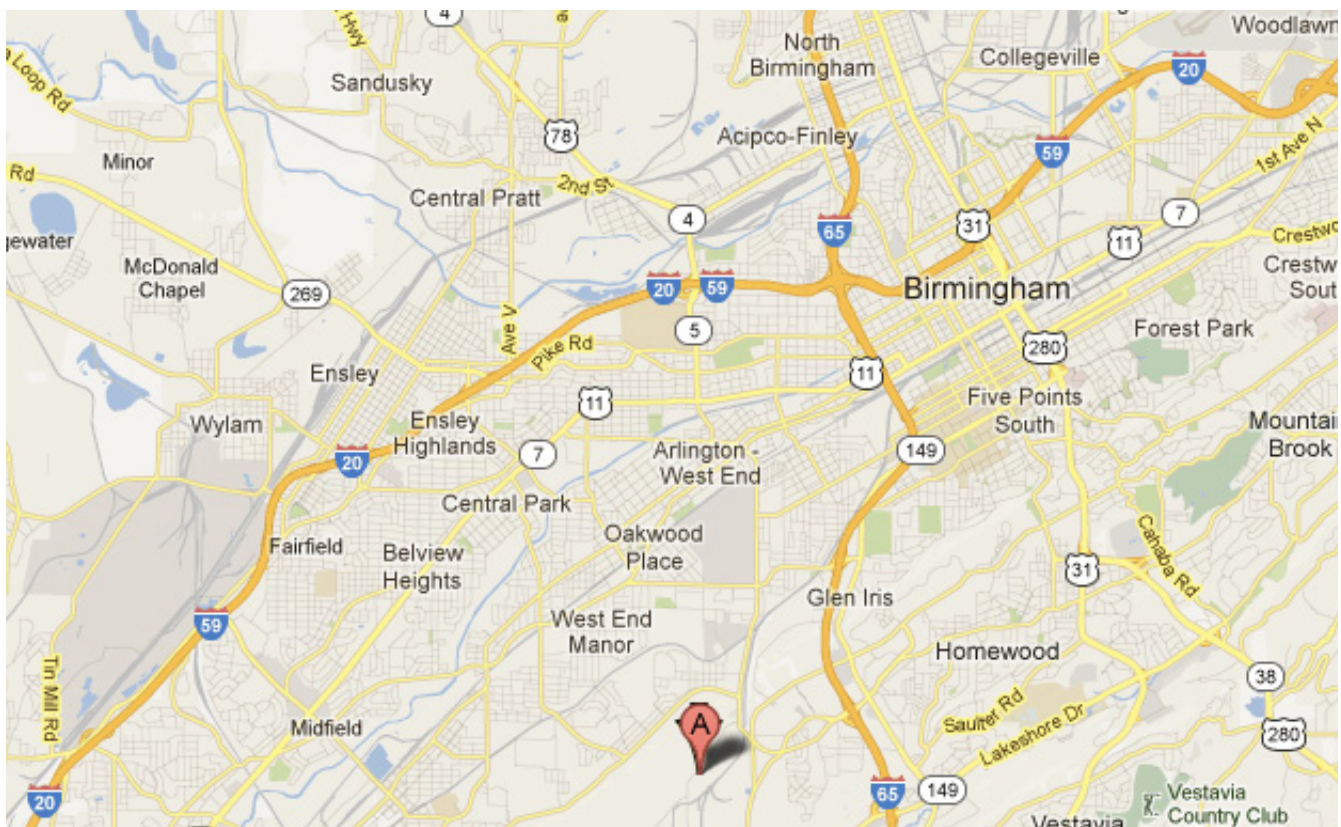




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# Other Products



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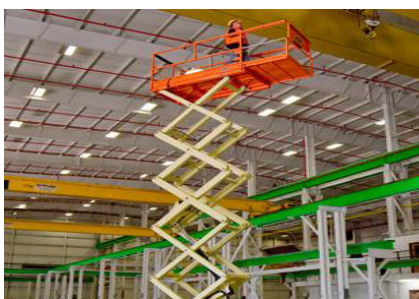
**Industrial Utility Vehicles**



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