



D(G)35S-7/D(G)40S-7/D(G)45S-7 & D(G)50C-7/D(G)55C-7

## 7 SERIES FORKLIFTS

Internal Combustion Pneumatic Tire Lift Trucks

8,000 lb. to 12,000 lb. Capacity



# Technical Specifications

|                   |        |   |       |        |       |                                |                                |                                |
|-------------------|--------|---|-------|--------|-------|--------------------------------|--------------------------------|--------------------------------|
| Characteristics   | 1.1    | Manufacturer  |       |        |       | Doosan                         | Doosan                         | Doosan                         |
|                   | 1.2    | Model Designation   |       |        |       | G35S-7                         | D35S-7                         | G40S-7                         |
|                   | 1.3    | Drive: Diesel, Gasoline, LP, Dual Fuel                          |       |        |       | LPG/Dual                       | Diesel                         | LPG/Dual                       |
|                   | 1.4    | Operator type: Hand, Pedestrian, Standing, Seated, Order-picker |       |        |       | Seated                         | Seated                         | Seated                         |
|                   | 1.5    | Load Capacity   | q     | lb     | kg    | 8,000 (3,655)                  | 8,000 (3,655)                  | 9,000 (4,115)                  |
|                   | 1.6    | Load Center   | c     | inch   | mm    | 24 (600)                       | 24 (600)                       | 24 (600)                       |
|                   | 1.8    | Load Distance: Center of Driveaxle to Fork                      | x     | inch   | mm    | 22.1 (561)                     | 22 (560)                       | 22.1 (561)                     |
|                   | 1.9    | Wheelbase   | y     | inch   | mm    | 78.7 (2,000)                   | 79 (2,015)                     | 78.7 (2,000)                   |
| Weight            | 2.1    | Service Weight  |       | lb     | kg    | 12,765 (5,790)                 | 13,315 (6,040)                 | 13,625 (6,180)                 |
|                   | 2.2    | Axle Loading, Loaded Front/Rear                                 |       | lb     | kg    | 18,111/2,370<br>(8,215/1,075)  | 18,387/2,646<br>(8,340/1,200)  | 19,798/2,646<br>(8,980/1,200)  |
|                   | 2.3    | Axle Loading, Unloaded Front/Rear                               |       | lb     | kg    | 5,919/6,845<br>(2,685/3,105)   | 5,953/7,363<br>(2,700/3,340)   | 5,864/7,760<br>(2,660/3,520)   |
| Tires             | 3.1    | Tires: Pneumatic (P), Superelastic (SE), Cushion (C)            |       |        |       | P                              | P                              | P                              |
|                   | 3.2    | Tire Size, Front  |       | -      | -     | 8.25x15-14<br>7.50x16-12PR     | 8.25x15-14<br>7.50x16-12PR     | 300x15-18PR<br>7.50x16-12PR    |
|                   | 3.3    | Tire Size, Rear   |       | -      | -     | 7.00x12-12                     | 7.00x12-12                     | 7.00x12-12                     |
|                   | 3.5    | Wheels, Number Front/Rear (x = Drive Wheels)                    |       | -      | -     | x 2/2                          | x 2/2                          | x 2/2                          |
|                   | 3.6    | Tread, Front  | b10   | in     | mm    | 44.8/50.8<br>(1,138/1,290)     | 44.9/50.8<br>(1,140/1,290)     | 45.4/50.8<br>(1,153/1,290)     |
|                   | 3.7    | Tread, Rear   | b11   | in     | mm    | 43.9 (1,115)                   | 43.9 (1,115)                   | 43.9 (1,115)                   |
|                   | 4.1    | Tilt of Mast Fork Carriage Forward/Backward                     | α β   | °      | °     | 8/10                           | 8/10                           | 8/10                           |
| Dimensions        | 4.2    | Height, Mast Lowered  | h1    | in     | mm    | 88 (2,225)                     | 88 (2,225)                     | 88 (2,230)                     |
|                   | 4.3    | Free Lift   | h2    | in     | mm    | 6.3 (160)                      | 6.3 (160)                      | 6.3 (160)                      |
|                   | 4.4    | Lift  | h3    | in     | mm    | 118.1 (3,000)                  | 118.1 (3,000)                  | 118.1 (3,000)                  |
|                   | 4.5    | Height, Mast Extended   | h4    | in     | mm    | 167.9 (4,265)                  | 167.9 (4,268)                  | 168.1 (4,270)                  |
|                   | 4.7    | Height of Overhead Guard (Cabin)                                | h6    | in     | mm    | 87.6 (2,225)                   | 87.6 (2,225)                   | 87.8 (2,230)                   |
|                   | 4.8    | Height of Seat  | h7    | in     | mm    | 49.1 (1,248)                   | 49.1 (1,248)                   | 49.4 (1,255)                   |
|                   | 4.19   | Overall Length  | l1    | in     | mm    | 163.9 (4,165)                  | 163.9 (4,165)                  | 165.9 (4,215)                  |
|                   | 4.20   | Length to Forkface  | l2    | in     | mm    | 123 (3,155)                    | 123 (3,155)                    | 125 (3,165)                    |
|                   | 4.21   | Overall Width   | b1    | in     | mm    | 54.0 (1,372)                   | 54.0 (1,370)                   | 57 (1,455)                     |
|                   | 4.22   | Fork Dimensions   | s/e/l | in     | mm    | 2.0X5.9X41.3<br>(50x150x1,050) | 2.0X5.9X41.3<br>(50x150x1,050) | 2.0x5.9x41.3<br>(50x150x1,050) |
|                   | 4.23   | Fork Carriage Class (ISO 2328)                                  |       | -      | -     | III                            | III                            | III                            |
|                   | 4.24   | Fork Carriage Width   | b3    | in     | mm    | 49.2 (1,250)                   | 49.2 (1,250)                   | 49.2(1,250)                    |
|                   | 4.31   | Ground Clearance, Loaded, Below Mast                            | m1    | in     | mm    | 5.9 (150)                      | 5.9 (150)                      | 6.3 (160)                      |
|                   | 4.32   | Ground Clearance, Center of Wheelbase                           | m2    | in     | mm    | 8 (205)                        | 8 (205)                        | 8 (205)                        |
|                   | 4.34.1 | Aisle 90° Stacking for Pallets 40" x 48"                        | Ast   | in     | mm    | 176.8 (4,491)                  | 176.8 (4,491)                  | 178.8 (4,542)                  |
|                   | 4.34.2 | Aisle 90° Stacking for Pallets 48" x 48"                        | Ast   | in     | mm    | 184.3 (4,681)                  | 184.3 (4,681)                  | 186.3 (4,732)                  |
|                   | 4.35   | Turning Radius  | Wa    | in     | mm    | 110 (2,782)                    | 110 (2,782)                    | 112 (2,832)                    |
| Performance data  | 5.1    | Travel Speed, Loaded/Unloaded                                   |       | mp/h   | km/h  | 12.4/13.0<br>(20.0/21.0)       | 15.5/16.8<br>(25.0/27.0)       | 12.1/12.7<br>(19.5/20.5)       |
|                   | 5.2    | Lift Speed, Loaded/Unloaded                                     |       | fpm    | m/s   | 98/106 (.50/.54)               | 110/118 (.56/.60)              | 98.4/106(.50/.54)              |
|                   | 5.3    | Lowering Speed, Loaded/Unloaded                                 |       | fpm    | m/s   | 95/89<br>(.48/.45)             | 89/98<br>(.45/.50)             | 98.5/88.6<br>(.48/.45)         |
|                   | 5.5    | Drawbar pull, Loaded/Unloaded(@ 1.6km h)                        |       | lb     | N     | 6,720/(29,890)                 | 7,808/(34,730)                 | 6,600 (29,380)                 |
|                   | 5.6    | Max. Drawbar Pull, Loaded/Unloaded                              |       | lb     | N     | 7,810/(34,740)                 | 8,639/(38,430)                 | 7,670 (34,140)                 |
|                   | 5.7    | Gradeability, Loaded/Unloaded(@ 1.6km h)                        |       | -      | %     | 34.7/60.0                      | 39.7/71.2                      | 30.8/54.1                      |
|                   | 5.8    | Max. Gradeability, Loaded Unloaded                              |       | -      | %     | 41.3 73.4                      | 44.7 82.9                      | 36.4/65.4                      |
|                   | 5.10   | Service Brake   |       | -      | -     | Foot/Hyd                       | Foot/Hyd                       | Foot/Hyd                       |
| Combustion Engine | 7.1    | Engine Manufacturer Type  |       | -      | -     | Kubota/WG3800                  | D34NAP                         | Kubota/WG3800                  |
|                   | 7.2    | Engine Power According to DIN ISO1585                           |       | hp     | kW    | 92.5 (69)                      | 73.7 (55)                      | 92.5 (69)                      |
|                   | 7.3    | Rated Speed   |       | -      | min-1 | 2,500                          | 2,300                          | 2,500                          |
|                   | 7.3.1  | Torque at 1 min   |       | ft•lbs | N•m   | 213.9 (290)                    | 243 (330)                      | 213.9 (290)                    |
|                   | 7.4    | Number of Cylinders Displacement                                |       | -/cc   | -/cm3 | 4/4/3,769 (cc)                 | 4/4/3,409 (cc)                 | 4/4/3,769 (cc)                 |
|                   | 7.10   | Battery Voltage Normal Capacity                                 |       | -      | V/Ah  | 12/75                          | 12/100                         | 12/75                          |
| Add'l Data        | 10.1   | Operating Pressure for Attachments                              |       | psi    | bar   | 2,030 (140)                    | 2,320 (160)                    | 2,030 (140)                    |
|                   | 10.2   | Oil Volume for Attachments                                      |       | gpm    | l/min | 21.1 (80)                      | 21.1 (80)                      | 21.1 (80)                      |
|                   | 10.4   | Fuel Tank Capacity  |       | gal    | l     |                                | 31 (118)                       |                                |

Note: Specification values quoted in this specification sheet has been rounded. Performance may vary due to operating conditions.  
Products and specifications are subject to improvement and change without prior notices.

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| Doosan                                      | Doosan                                    | Doosan                                      | Doosan                                    | Doosan                                      | Doosan                                    | Doosan                                      |
| D40S-7                                      | G45S-7                                    | D45S-7                                      | G50C-7                                    | D50C-7                                      | G55C-7                                    | D55C-7                                      |
| Diesel                                      | LPG/Dual                                  | Diesel                                      | LPG/Dual                                  | Diesel                                      | LPG/Dual                                  | Diesel                                      |
| Seated                                      | Seated                                    | Seated                                      | Seated                                    | Seated                                      | Seated                                    | Seated                                      |
| 9,000 (4,115)                               | 10,000 (4,570)                            | 10,000 (4,570)                              | 11,000 (5,030)                            | 11,000 (5,030)                              | 12,000 (5,500)                            | 12,000 (5,500)                              |
| 24 (600)                                    | 24 (600)                                  | 24 (600)                                    | 24 (600)                                  | 24 (600)                                    | 24 (600)                                  | 24 (600)                                    |
| 22 (560)                                    | 22.1 (561)                                | 22 (560)                                    | 22.5 (571)                                | 22 (570)                                    | 22.5 (571)                                | 22 (570)                                    |
| 79 (2,015)                                  | 82.7 (2,100)                              | 83 (2,115)                                  | 82.7 (2,100)                              | 83 (2,115)                                  | 82.7 (2,100)                              | 83 (2,115)                                  |
| 14,100 (6,400)                              | 14,440 (6,550)                            | 15,168 (6,880)                              | 15,543 (7,050)                            | 16,270 (7,390)                              | 16,292 (7,390)                            | 17,031 (7,725)                              |
| 20,073/2,855<br>(9,105/1,295)               | 21,650/2,756<br>(9,800/1,250)             | 22,046/3,020<br>(10,000/1,380)              | 23,545/3,020<br>(10,680/1,370)            | 23,920/3,252<br>(10,850/1,475)              | 25,067/3,351<br>(11,370/1,520)            | 25,662/3,494<br>(11,640/1,585)              |
| 5,886/8,223<br>(2,670/3,730)                | 6,195/8,245<br>(2,810/3,740)              | 6,371/8,796<br>(2,890/3,990)                | 6,371/9,171<br>(2,890/4,160)              | 6,768/9,381<br>(3,070/4,255)                | 6,173/10,119<br>(2,800/4,590)             | 7,132/9,899<br>(3,235/4,490)                |
| P   | P   | P   | P   | P   | P   | P   |
| 300x15-18PR<br>7.50x16-12PR<br>7.00x12-12PR | 300x15-18PR<br>7.50x16-12PR<br>7.00x12-12 | 300x15-18PR<br>7.50x16-12PR<br>7.00x12-12PR | 300x15-18PR<br>7.50x16-12PR<br>7.00x12-14 | 300x15-18PR<br>7.50x16-12PR<br>7.00x12-14PR | 300x15-18PR<br>7.50x16-12PR<br>7.00x12-14 | 300x15-18PR<br>7.50x16-12PR<br>7.00x12-14PR |
| x 2/2                                       | x 2/2                                     | x 2/2                                       | x 2/2                                     | x 2/2                                       | x 2/2                                     | x 2/2                                       |
| 45.4/50.8<br>(1,155 /1,290)                 | 45.4/50.8<br>(1,153/1,290)                | 45.4/50.8<br>(1,155/1,290)                  | 45.4/50.8<br>(1,153/1,290)                | 45.4/50.8<br>(1,155/1,290)                  | 45.4/50.8<br>(1,155/1,290)                | 45.4/50.8<br>(1,155/1,290)                  |
| 43.9 (1,115)                                | 43.9 (1,115)                              | 43.9 (1,115)                                | 43.9 (1,115)                              | 43.9 (1,115)                                | 43.9 (1,115)                              | 43.9 (1,115)                                |
| 8/10  | 8/10                                      | 8/10  | 8/10                                      | 8/10  | 8/10                                      | 8/10  |
| 88 (2,230)                                  | 88 (2,230)                                | 88 (2,230)                                  | 94 (2,380)                                | 94 (2,380)                                  | 94 (2,380)                                | 94 (2,380)                                  |
| 6.3 (160)                                   | 6.3 (160)                                 | 6.3 (160)                                   | 6.7 (170)                                 | 6.7 (170)                                   | 6.7 (170)                                 | 6.7 (170)                                   |
| 118.1 (3,000)                               | 118.1 (3,000)                             | 118.1 (3,000)                               | 120 (3,050)                               | 120 (3,050)                                 | 120 (3,050)                               | 120 (3,050)                                 |
| 168.1 (4,270)                               | 174.0 (4,420)                             | 174.0 (4,420)                               | 176.0 (4,470)                             | 176.0 (4,470)                               | 176.0 (4,470)                             | 176.0 (4,470)                               |
| 87.8 (2,230)                                | 87.8 (2,230)                              | 87.8 (2,230)                                | 87.8 (2,230)                              | 87.8 (2,230)                                | 87.8 (2,230)                              | 87.8 (2,230)                                |
| 49.4 (1,255)                                | 49.4 (1,255)                              | 49.4 (1,255)                                | 49.4 (1,255)                              | 49.4 (1,255)                                | 49.4 (1,255)                              | 49.4 (1,255)                                |
| 165.9 (4,215)                               | 176.4 (4,480)                             | 176.4 (4,480)                               | 178.2 (4,525)                             | 178.2 (4,525)                               | 179.1 (4,550)                             | 179.1 (4,550)                               |
| 125 (3,165)                                 | 129 (3,280)                               | 129 (3,280)                                 | 131 (3,325)                               | 131 (3,325)                                 | 132 (3,350)                               | 132 (3,350)                                 |
| 57 (1,455)                                  | 57 (1,455)                                | 57 (1,455)                                  | 57 (1,455)                                | 57 (1,455)                                  | 57 (1,455)                                | 57 (1,455)                                  |
| 2.0x5.9x41.3<br>(50x150x1,050)              | 2.0x5.9x47.2<br>(50x150x1,200)            | 2.0x5.9x47.2<br>(50x150x1,200)              | 2.4x5.9x47.2<br>(60x150x1,200)            | 2.4x5.9x47.2<br>(60x150x1,200)              | 2.4x5.9x47.2<br>(60x150x1,200)            | 2.4x5.9x47.2<br>(60x150x1,200)              |
| III   | IV  | IV  | IV  | IV  | IV  | IV  |
| 49.2 (1,250)                                | 52.4 (1,330)                              | 52.4 (1,330)                                | 52.4 (1,330)                              | 52.4 (1,330)                                | 52.4 (1,330)                              | 52.4 (1,330)                                |
| 6.3 (160)                                   | 6.3 (160)                                 | 6.3 (160)                                   | 6.3 (160)                                 | 6.3 (160)                                   | 6.3 (160)                                 | 6.3 (160)                                   |
| 8 (205)                                     | 8 (205)                                   | 8 (205)                                     | 8 (205)                                   | 8 (205)                                     | 8 (205)                                   | 8 (205)                                     |
| 178.8 (4,542)                               | 179.8 (4,567)                             | 179.8 (4,567)                               | 182.2 (4,628)                             | 182.2 (4,628)                               | 184.2 (4,679)                             | 184.2 (4,679)                               |
| 186.3 (4,732)                               | 187.3 (4,757)                             | 187.3 (4,757)                               | 189.8 (4,821)                             | 189.8 (4,821)                               | 191.8 (4,872)                             | 191.8 (4,872)                               |
| 112 (2,832)                                 | 113 (2,877)                               | 113 (2,877)                                 | 115 (2,925)                               | 115 (2,925)                                 | 1197 (2,975)                              | 117 (2,975)                                 |
| 15.5/16.8<br>(25.0/27.0)                    | 12.1/12.7<br>(19.5/20.5)                  | 15.5/16.8<br>(25.0/27.0)                    | 12.1/12.7<br>(19.5/20.5)                  | 15.5/16.8<br>(25.0/27.0)                    | 12.1/12.7<br>(19.5/20.5)                  | 15.5/16.8<br>(25.0/27.0)                    |
| 108/118 (.55/.60)                           | 98.4/106 (.50/.54)                        | 106/118 (.54/.60)                           | 96.6/106 (.49/.54)                        | 104/117 (.53/.60)                           | 92.4/106 (.47/.54)                        | 103/117 (.52/.60)                           |
| 89/98<br>(.45/.50)                          | 94.5/88.6<br>(.48/.45)                    | 89/98<br>(.45/.50)                          | 96.6/88.6<br>(.49/.45)                    | 89/98<br>(.45/.50)                          | 96.6/88.6<br>(.49/.45)                    | 89/98<br>(.45/.50)                          |
| 7,688 (34,200)                              | 6,600 (29,390)                            | 7,693 (34,220)                              | 6,568 (29,220)                            | 6,521 (29,010)                              | 6,521 (29,010)                            | 7,605 (33,830)                              |
| 8,500 (37,810)                              | 7,715 (34,320)                            | 8,520 (37,900)                              | 7,656 (34,060)                            | 8,484 (37,740)                              | 7,612 (33,860)                            | 8,435 (37,520)                              |
| 35.6/66.7                                   | 28.2/50.1                                 | 32.3/60.7                                   | 25.5/45.5                                 | 29.2/54.6                                   | 23.6/42.9                                 | 26.9/50.9                                   |
| 39.9/77.3                                   | 33.3/60.1                                 | 36.2/69.2                                   | 30.1/54.2                                 | 32.7/62.3                                   | 27.8/50.9                                 | 30.1/57.8                                   |
| Foot/Hyd                                    | Foot/Hyd                                  | Foot/Hyd                                    | Foot/Hyd                                  | Foot/Hyd                                    | Foot/Hyd                                  | Foot/Hyd                                    |
| D34NAP                                      | Kubota/WG3800                             | D34NAP                                      | Kubota / WG3800                           | D34NAP                                      | Kubota/WG3800                             | D34NAP                                      |
| 73.7 (55)                                   | 92.5 (69)                                 | 73.7 (55)                                   | 92.5 (69)                                 | 73.7 (55)                                   | 92.5 (69)                                 | 73.7 (55)                                   |
| 2,300                                       | 2,500                                     | 2,300                                       | 2,500                                     | 2,300                                       | 2,500                                     | 2,300                                       |
| 243 (330)                                   | 213.9 (290)                               | 243 (330)                                   | 213.9 (290)                               | 243 (330)                                   | 213.9 (290)                               | 243 (330)                                   |
| 4/4/3,409 (cc)                              | 4/4/3,769 (cc)                            | 4/ 4/3,409(cc)                              | 4/4/3,769 (cc)                            | 4 /4/3,409 (cc)                             | 4/4/3,769 (cc)                            | 4/4/3,409 (cc)                              |
| 12/100                                      | 12/75                                     | 12/100                                      | 12/75                                     | 12/100                                      | 12/75                                     | 12/100                                      |
| 2,320 (160)                                 | 2,030 (140)                               | 2,320 (160)                                 | 2,030 (140)                               | 2,320 (160)                                 | 2,030 (140)                               | 2,320 (160)                                 |
| 21.1 (80)                                   | 21.1 (80)                                 | 21.1 (80)                                   | 21.1 (80)                                 | 21.1 (80)                                   | 21.1 (80)                                 | 21.1 (80)                                   |
| 31 (118)                                    |   | 31 (118)                                    |   | 35 (131)                                    |   | 35 (131)                                    |



**D(G)45S-7**

| Mast type | Maximum Fork Height |     | Maximum Lowered Height |     | Fully Extended Height |     | Free Lift          |    | Rated Load Capacities |     |              |     |                 |         |        |              |         |        |
|-----------|---------------------|-----|------------------------|-----|-----------------------|-----|--------------------|----|-----------------------|-----|--------------|-----|-----------------|---------|--------|--------------|---------|--------|
|           |                     |     |                        |     |                       |     |                    |    | D(G)45S-7             |     |              |     |                 |         |        |              |         |        |
|           |                     |     |                        |     | With Load Backrest    |     | With Load Backrest |    | Tilt Angle            |     |              |     | Load Capacities |         |        |              |         |        |
|           |                     |     |                        |     |                       |     |                    |    | Single Pneu.          |     | Double Pneu. |     | Single Pneu.    |         |        | Double Pneu. |         |        |
|           | mm                  | in  | mm                     | in  | mm                    | in  | mm                 | in | FWD                   | BWD | FWD          | BWD | LC 500mm        | LC600mm | LC24in | LC500mm      | LC600mm | LC24in |
|           |                     |     |                        |     |                       |     |                    |    | deg                   | deg | deg          | deg | kg              | kg      | lb     | kg           | kg      | lb     |
| STD       | 3,000               | 118 | 2,230                  | 88  | 4,420                 | 174 | 160                | 6  | 8                     | 10  | 8            | 10  | 5,000           | 4,570   | 10,000 | 5,000        | 4,570   | 10,000 |
|           | 3,300               | 130 | 2,380                  | 94  | 4,720                 | 186 | 160                | 6  | 8                     | 10  | 8            | 10  | 5,000           | 4,570   | 10,000 | 5,000        | 4,570   | 10,000 |
|           | 3,650               | 144 | 2,555                  | 101 | 5,070                 | 200 | 160                | 6  | 8                     | 10  | 8            | 10  | 5,000           | 4,570   | 10,000 | 5,000        | 4,570   | 10,000 |
|           | 4,000               | 157 | 2,880                  | 113 | 5,420                 | 213 | 160                | 6  | 8                     | 10  | 8            | 10  | 5,000           | 4,570   | 10,000 | 5,000        | 4,570   | 10,000 |
|           | 4,250               | 167 | 3,005                  | 118 | 5,670                 | 223 | 160                | 6  | 8                     | 10  | 8            | 10  | 5,000           | 4,570   | 10,000 | 5,000        | 4,570   | 10,000 |
|           | 4,850               | 191 | 3,455                  | 136 | 6,270                 | 247 | 160                | 6  | 8                     | 5   | 8            | 10  | 4,900           | 4,480   | 9,800  | 4,950        | 4,525   | 9,900  |
| FF        | 3,000               | 118 | 2,210                  | 87  | 4,400                 | 173 | 860                | 34 | 8                     | 10  | 8            | 10  | 5,000           | 4,575   | 10,000 | 5,000        | 4,575   | 10,000 |
| FFT       | 4,000               | 157 | 2,090                  | 82  | 5,415                 | 213 | 740                | 29 | 8                     | 8   | 8            | 8   | 5,000           | 4,585   | 10,000 | 5,000        | 4,585   | 10,000 |
|           | 4,250               | 167 | 2,180                  | 86  | 5,680                 | 224 | 830                | 33 | 8                     | 8   | 8            | 8   | 4,975           | 4,565   | 9,950  | 5,000        | 4,585   | 10,000 |
|           | 4,700               | 185 | 2,330                  | 92  | 6,130                 | 241 | 980                | 39 | 8                     | 8   | 8            | 8   | 4,800           | 4,400   | 9,600  | 4,850        | 4,450   | 9,700  |
|           | 5,150               | 203 | 2,480                  | 98  | 6,580                 | 259 | 1,130              | 44 | 8                     | 3   | 8            | 8   | 4,650           | 4,265   | 9,300  | 4,700        | 4,310   | 9,400  |
|           | 5,600               | 220 | 2,630                  | 104 | 7,030                 | 277 | 1,280              | 50 | 8                     | 3   | 8            | 5   | 4,500           | 4,125   | 9,000  | 4,550        | 4,175   | 9,100  |
|           | 6,050               | 238 | 2,780                  | 109 | 7,480                 | 294 | 1,430              | 56 | 8                     | 3   | 8            | 3   | 3,575           | 3,280   | 7,150  | 4,025        | 3,690   | 8,050  |

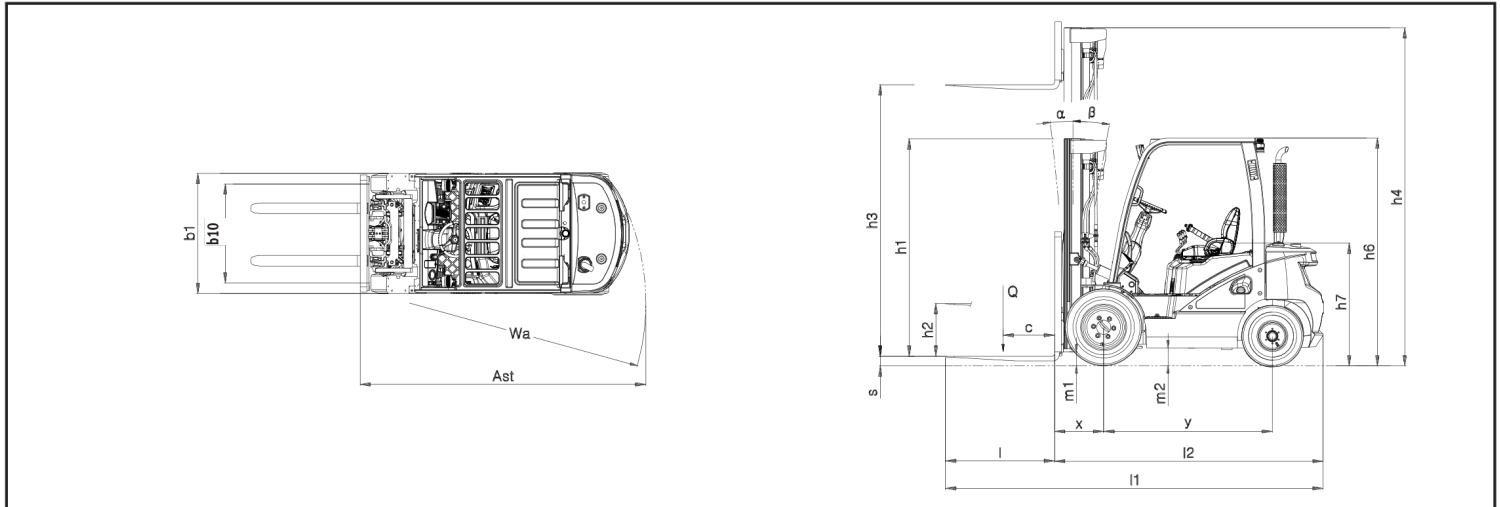
**D(G)50C-7**

| Mast type | Maximum Fork Height |     | Maximum Lowered Height |     | Fully Extended Height |     | Free Lift          |    | Rated Load Capacities |     |              |     |                 |         |        |              |         |        |
|-----------|---------------------|-----|------------------------|-----|-----------------------|-----|--------------------|----|-----------------------|-----|--------------|-----|-----------------|---------|--------|--------------|---------|--------|
|           |                     |     |                        |     |                       |     |                    |    | D(G)50C-7             |     |              |     |                 |         |        |              |         |        |
|           |                     |     |                        |     | With Load Backrest    |     | With Load Backrest |    | Tilt Angle            |     |              |     | Load Capacities |         |        |              |         |        |
|           |                     |     |                        |     |                       |     |                    |    | Single Pneu.          |     | Double Pneu. |     | Single Pneu.    |         |        | Double Pneu. |         |        |
|           | mm                  | in  | mm                     | in  | mm                    | in  | mm                 | in | FWD                   | BWD | FWD          | BWD | LC 500mm        | LC600mm | LC24in | LC500mm      | LC600mm | LC24in |
|           |                     |     |                        |     |                       |     |                    |    | deg                   | deg | deg          | deg | kg              | kg      | lb     | kg           | kg      | lb     |
| STD       | 2,750               | 108 | 2,230                  | 88  | 4,170                 | 164 | 170                | 7  | 8                     | 10  | 8            | 10  | 5,500           | 5,030   | 11,000 | 5,500        | 5,030   | 11,000 |
|           | 3,050               | 120 | 2,380                  | 94  | 4,470                 | 176 | 170                | 7  | 8                     | 10  | 8            | 10  | 5,500           | 5,030   | 11,000 | 5,500        | 5,030   | 11,000 |
|           | 3,400               | 134 | 2,555                  | 101 | 4,820                 | 190 | 170                | 7  | 8                     | 10  | 8            | 10  | 5,500           | 5,030   | 11,000 | 5,500        | 5,030   | 11,000 |
|           | 3,750               | 148 | 2,880                  | 113 | 5,170                 | 204 | 170                | 7  | 8                     | 10  | 8            | 10  | 5,500           | 5,030   | 11,000 | 5,500        | 5,030   | 11,000 |
|           | 4,000               | 157 | 3,005                  | 118 | 5,420                 | 213 | 170                | 7  | 8                     | 10  | 8            | 10  | 5,500           | 5,030   | 11,000 | 5,500        | 5,030   | 11,000 |
|           | 4,600               | 181 | 3,455                  | 136 | 6,020                 | 237 | 170                | 7  | 8                     | 8   | 8            | 10  | 5,500           | 5,030   | 11,000 | 5,500        | 5,030   | 11,000 |
| FF        | 2,875               | 113 | 2,210                  | 87  | 4,275                 | 168 | 870                | 34 | 8                     | 10  | 8            | 10  | 5,500           | 5,035   | 11,000 | 5,500        | 5,035   | 11,000 |
| FFT       | 3,875               | 153 | 2,090                  | 82  | 5,290                 | 208 | 750                | 30 | 8                     | 8   | 8            | 8   | 5,500           | 5,050   | 11,000 | 5,500        | 5,050   | 11,000 |
|           | 4,125               | 162 | 2,180                  | 86  | 5,555                 | 219 | 840                | 33 | 8                     | 8   | 8            | 8   | 5,500           | 5,050   | 11,000 | 5,500        | 5,050   | 11,000 |
|           | 4,575               | 180 | 2,330                  | 92  | 6,005                 | 236 | 990                | 39 | 8                     | 8   | 8            | 8   | 5,375           | 4,935   | 10,850 | 5,425        | 4,980   | 10,950 |
|           | 5,025               | 198 | 2,480                  | 98  | 6,455                 | 254 | 1,140              | 45 | 8                     | 5   | 8            | 8   | 5,200           | 4,775   | 10,500 | 5,150        | 4,725   | 10,400 |
|           | 5,475               | 216 | 2,630                  | 104 | 6,905                 | 272 | 1,290              | 51 | 8                     | 3   | 8            | 5   | 4,650           | 4,270   | 9,400  | 4,750        | 4,360   | 9,600  |
|           | 5,925               | 233 | 2,780                  | 109 | 7,355                 | 290 | 1,440              | 57 | 8                     | 3   | 8            | 5   | 3,625           | 3,330   | 7,300  | 3,525        | 3,235   | 7,100  |

**D(G)55C-7**

| Mast type | Maximum Fork Height |     | Maximum Lowered Height |     | Fully Extended Height |     | Free Lift          |    | Rated Load Capacities |     |              |     |                 |        |              |        |
|-----------|---------------------|-----|------------------------|-----|-----------------------|-----|--------------------|----|-----------------------|-----|--------------|-----|-----------------|--------|--------------|--------|
|           |                     |     |                        |     |                       |     |                    |    | D(G)55C-7             |     |              |     |                 |        |              |        |
|           |                     |     |                        |     | With Load Backrest    |     | With Load Backrest |    | Tilt Angle            |     |              |     | Load Capacities |        |              |        |
|           |                     |     |                        |     |                       |     |                    |    | Single Pneu.          |     | Double Pneu. |     | Single Pneu.    |        | Double Pneu. |        |
|           | mm                  | in  | mm                     | in  | mm                    | in  | mm                 | in | FWD                   | BWD | FWD          | BWD | LC 500mm        | LC24in | LC500mm      | LC24in |
|           |                     |     |                        |     |                       |     |                    |    | deg                   | deg | deg          | deg | kg              | lb     | kg           | lb     |
| STD       | 2,750               | 108 | 2,230                  | 88  | 4,170                 | 164 | 170                | 7  | 8                     | 10  | 8            | 10  | 5,500           | 12,100 | 5,500        | 12,100 |
|           | 3,050               | 120 | 2,380                  | 94  | 4,470                 | 176 | 170                | 7  | 8                     | 10  | 8            | 10  | 5,500           | 12,100 | 5,500        | 12,100 |
|           | 3,400               | 134 | 2,555                  | 101 | 4,820                 | 190 | 170                | 7  | 8                     | 10  | 8            | 10  | 5,500           | 12,100 | 5,500        | 12,100 |
|           | 3,750               | 148 | 2,880                  | 113 | 5,170                 | 204 | 170                | 7  | 8                     | 10  | 8            | 10  | 5,500           | 12,100 | 5,500        | 12,100 |
|           | 4,000               | 157 | 3,005                  | 118 | 5,420                 | 213 | 170                | 7  | 8                     | 10  | 8            | 10  | 5,500           | 12,100 | 5,500        | 12,100 |
|           | 4,600               | 181 | 3,455                  | 136 | 6,020                 | 237 | 170                | 7  | 8                     | 8   | 8            | 10  | 5,400           | 11,850 | 4,900        | 10,750 |
| FF        | 2,875               | 113 | 2,210                  | 87  | 4,275                 | 168 | 870                | 34 | 8                     | 10  | 8            | 10  | 5,500           | 12,100 | 5,500        | 12,100 |
| FFT       | 3,875               | 153 | 2,090                  | 82  | 5,290                 | 208 | 750                | 30 | 8                     | 8   | 8            | 8   | 5,500           | 12,100 | 5,500        | 12,100 |
|           | 4,125               | 162 | 2,180                  | 86  | 5,555                 | 219 | 840                | 33 | 8                     | 8   | 8            | 8   | 5,500           | 12,100 | 5,500        | 12,100 |
|           | 4,575               | 180 | 2,330                  | 92  | 6,005                 | 236 | 990                | 39 | 8                     | 8   | 8            | 8   | 5,500           | 12,100 | 5,500        | 12,100 |
|           | 5,025               | 198 | 2,480                  | 98  | 6,455                 | 254 | 1,140              | 45 | 8                     | 5   | 8            | 8   | 5,150           | 11,350 | 4,925        | 10,850 |
|           | 5,475               | 216 | 2,630                  | 104 | 6,905                 | 272 | 1,290              | 51 | 8                     | 3   | 8            | 5   | 4,500           | 9,900  | 4,575        | 10,050 |
|           | 5,925               | 233 | 2,780                  | 109 | 7,355                 | 290 | 1,440              | 57 | 8                     | 3   | 8            | 5   | 3,500           | 7,700  | 3,375        | 7,400  |

# Dimensional Drawing (G35~55S-7)



## MAST SPECIFICATION and RATED CAPACITIES

### D(G)35S-7

| Mast type | Maximum Fork Height |     | Maximum Lowered Height |     | Fully Extended Height |     | Free Lift |     | Rated Load Capacities |     |              |     |              |       |              |         |                 |              |         |        |
|-----------|---------------------|-----|------------------------|-----|-----------------------|-----|-----------|-----|-----------------------|-----|--------------|-----|--------------|-------|--------------|---------|-----------------|--------------|---------|--------|
|           |                     |     |                        |     |                       |     |           |     | Tilt Angle            |     | D(G)35S-7    |     |              |       |              |         | Load Capacities |              |         |        |
|           |                     |     |                        |     |                       |     |           |     |                       |     | Single Pneu. |     | Double Pneu. |       | Single Pneu. |         |                 | Double Pneu. |         |        |
|           |                     |     |                        |     |                       |     |           |     |                       |     | FWD          | BWD | FWD          | BWD   | LC 500mm     | LC600mm | LC24in          | LC500mm      | LC600mm | LC24in |
| mm        | in                  | mm  | in                     | mm  | in                    | mm  | in        | deg | deg                   | deg | deg          | kg  | kg           | lb    | kg           | kg      | lb              |              |         |        |
| STD       | 3,000               | 118 | 2,225                  | 88  | 4,265                 | 168 | 160       | 6   | 8                     | 10  | 8            | 10  | 4,000        | 3,655 | 8,000        | 4,000   | 3,655           | 8,000        |         |        |
|           | 3,300               | 130 | 2,375                  | 94  | 4,565                 | 180 | 160       | 6   | 8                     | 10  | 8            | 10  | 4,000        | 3,655 | 8,000        | 4,000   | 3,655           | 8,000        |         |        |
|           | 3,650               | 144 | 2,550                  | 100 | 4,915                 | 194 | 160       | 6   | 8                     | 10  | 8            | 10  | 4,000        | 3,655 | 8,000        | 4,000   | 3,655           | 8,000        |         |        |
|           | 4,000               | 157 | 2,875                  | 113 | 5,265                 | 207 | 160       | 6   | 8                     | 10  | 8            | 10  | 4,000        | 3,655 | 8,000        | 4,000   | 3,655           | 8,000        |         |        |
|           | 4,250               | 167 | 3,000                  | 118 | 5,515                 | 217 | 160       | 6   | 8                     | 10  | 8            | 10  | 4,000        | 3,655 | 8,000        | 4,000   | 3,655           | 8,000        |         |        |
|           | 4,850               | 191 | 3,450                  | 136 | 6,115                 | 241 | 160       | 6   | 8                     | 8   | 8            | 10  | 3,850        | 3,520 | 7,700        | 3,875   | 3,545           | 7,750        |         |        |
| FF        | 3,000               | 118 | 2,205                  | 87  | 4,250                 | 167 | 1,005     | 40  | 8                     | 10  | 8            | 10  | 4,000        | 3,660 | 8,000        | 4,000   | 3,660           | 8,000        |         |        |
| FFT       | 4,000               | 157 | 2,090                  | 82  | 5,265                 | 207 | 890       | 35  | 8                     | 8   | 8            | 8   | 3,975        | 3,645 | 7,950        | 4,000   | 3,670           | 8,000        |         |        |
|           | 4,250               | 167 | 2,175                  | 86  | 5,530                 | 218 | 975       | 38  | 8                     | 8   | 8            | 8   | 3,900        | 3,575 | 7,800        | 3,950   | 3,625           | 7,900        |         |        |
|           | 4,700               | 185 | 2,325                  | 92  | 5,980                 | 235 | 1,125     | 44  | 8                     | 8   | 8            | 8   | 3,775        | 3,465 | 7,550        | 3,800   | 3,485           | 7,600        |         |        |
|           | 5,150               | 203 | 2,475                  | 97  | 6,430                 | 253 | 1,275     | 50  | 8                     | 5   | 8            | 8   | 3,650        | 3,350 | 7,300        | 3,675   | 3,370           | 7,350        |         |        |
|           | 5,600               | 220 | 2,625                  | 103 | 6,880                 | 271 | 1,425     | 56  | 8                     | 3   | 8            | 8   | 3,525        | 3,235 | 7,050        | 3,550   | 3,255           | 7,100        |         |        |
|           | 6,050               | 238 | 2,775                  | 109 | 7,330                 | 289 | 1,575     | 62  | 8                     | 3   | 8            | 5   | 3,075        | 2,820 | 6,150        | 3,450   | 3,165           | 6,900        |         |        |

### D(G)40S-7

| Mast type | Maximum Fork Height |     | Maximum Lowered Height |     | Fully Extended Height |     | Free Lift |     | Rated Load Capacities |     |              |     |              |       |              |         |                 |              |         |        |
|-----------|---------------------|-----|------------------------|-----|-----------------------|-----|-----------|-----|-----------------------|-----|--------------|-----|--------------|-------|--------------|---------|-----------------|--------------|---------|--------|
|           |                     |     |                        |     |                       |     |           |     | Tilt Angle            |     | D(G)40S-7    |     |              |       |              |         | Load Capacities |              |         |        |
|           |                     |     |                        |     |                       |     |           |     |                       |     | Single Pneu. |     | Double Pneu. |       | Single Pneu. |         |                 | Double Pneu. |         |        |
|           |                     |     |                        |     |                       |     |           |     |                       |     | FWD          | BWD | FWD          | BWD   | LC 500mm     | LC600mm | LC24in          | LC500mm      | LC600mm | LC24in |
| mm        | in                  | mm  | in                     | mm  | in                    | mm  | in        | deg | deg                   | deg | deg          | kg  | kg           | lb    | kg           | kg      | lb              |              |         |        |
| STD       | 3,000               | 118 | 2,230                  | 88  | 4,270                 | 168 | 160       | 6   | 8                     | 10  | 8            | 10  | 4,500        | 4,115 | 9,000        | 4,500   | 4,115           | 9,000        |         |        |
|           | 3,300               | 130 | 2,380                  | 94  | 4,570                 | 180 | 160       | 6   | 8                     | 10  | 8            | 10  | 4,500        | 4,115 | 9,000        | 4,500   | 4,115           | 9,000        |         |        |
|           | 3,650               | 144 | 2,555                  | 101 | 4,920                 | 194 | 160       | 6   | 8                     | 10  | 8            | 10  | 4,500        | 4,115 | 9,000        | 4,500   | 4,115           | 9,000        |         |        |
|           | 4,000               | 157 | 2,880                  | 113 | 5,270                 | 207 | 160       | 6   | 8                     | 10  | 8            | 10  | 4,500        | 4,115 | 9,000        | 4,500   | 4,115           | 9,000        |         |        |
|           | 4,250               | 167 | 3,005                  | 118 | 5,520                 | 217 | 160       | 6   | 8                     | 10  | 8            | 10  | 4,500        | 4,115 | 9,000        | 4,500   | 4,115           | 9,000        |         |        |
|           | 4,850               | 191 | 3,455                  | 136 | 6,120                 | 241 | 160       | 6   | 8                     | 8   | 8            | 10  | 4,400        | 4,025 | 8,800        | 4,425   | 4,045           | 8,850        |         |        |
| FF        | 3,000               | 118 | 2,210                  | 87  | 4,255                 | 168 | 1,010     | 40  | 8                     | 10  | 8            | 10  | 4,500        | 4,115 | 9,000        | 4,500   | 4,115           | 9,000        |         |        |
| FFT       | 4,000               | 157 | 2,090                  | 82  | 5,270                 | 207 | 890       | 35  | 8                     | 8   | 8            | 8   | 4,500        | 4,125 | 9,000        | 4,500   | 4,125           | 9,000        |         |        |
|           | 4,250               | 167 | 2,180                  | 86  | 5,535                 | 218 | 980       | 39  | 8                     | 8   | 8            | 8   | 4,475        | 4,105 | 8,950        | 4,500   | 4,125           | 9,000        |         |        |
|           | 4,700               | 185 | 2,330                  | 92  | 5,985                 | 236 | 1,130     | 44  | 8                     | 8   | 8            | 8   | 4,325        | 3,965 | 8,650        | 4,350   | 3,990           | 8,700        |         |        |
|           | 5,150               | 203 | 2,480                  | 97  | 6,435                 | 253 | 1,280     | 50  | 8                     | 5   | 8            | 5   | 4,175        | 3,830 | 8,350        | 4,225   | 3,875           | 8,450        |         |        |
|           | 5,600               | 220 | 2,630                  | 104 | 6,885                 | 271 | 1,430     | 56  | 8                     | 3   | 8            | 3   | 4,050        | 3,715 | 8,100        | 4,075   | 3,740           | 8,150        |         |        |
|           | 6,050               | 238 | 2,780                  | 109 | 7,335                 | 289 | 1,580     | 62  | 8                     | 3   | 8            | 3   | 3,800        | 3,485 | 7,600        | 3,950   | 3,625           | 7,900        |         |        |

Note : Mast specifications & rated capacities are based on standard chassis with pneumatic tire and without side shifter.



Doosan Industrial Vehicle America Corp.  
2475 Mill Center Parkway, Suite #400  
Buford, GA 30518  
T. 678-745-2200  
F. 678-745-2250  
Website: [www.DoosanLift.com](http://www.DoosanLift.com)

PSCT4DG45S-7V2\_SPEC

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