

Specifications (Diesel)

| | | PFD40NT | | PFD45NT | | PFD50CNT | | PFD50NT | | PFD55NT | | | |
|---|--|-------------------|--------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|
| DIMENSIONS | 1 Rated capacity | lb | kg | 8,800 | 4,000 | 9,900 | 4,500 | 11,000 | 5,000 | 11,000 | 5,000 | 12,125 | 5,500 |
| | 2 Load center | in | mm | 20 | 500 | 20 | 500 | 20 | 500 | 24 | 600 | 24 | 600 |
| | 3 Power | | | Diesel | | Diesel | | Diesel | | Diesel | | Diesel | |
| | 4 Tire type V= solid, L=pneumatic - front / rear | | | L / L | | L / L | | L / L | | L / L | | L / L | |
| | 5 Wheels | | | 2x / 2 | | 2x / 2 | | 2x / 2 | | 2x / 2 | | 2x / 2 | |
| | 6 Maximum fork height (BOF) | in | mm | 130 | 3,300 | 130 | 3,300 | 130 | 3,300 | 130 | 3,300 | 130 | 3,300 |
| | 7 Free lift | in | mm | 6 | 150 | 6 | 150 | 6 | 150 | 6 | 160 | 6 | 160 |
| | 8 Forks – thickness x width x length | in | mm | 2.0 x 5.9 x 48.0 | 50 x 150 x 1,220 | 2.0 x 5.9 x 48.0 | 50 x 150 x 1,220 | 2.0 x 5.9 x 48.0 | 50 x 150 x 1,220 | 2.4 x 5.9 x 48.0 | 60 x 150 x | 2.4 x 5.9 x 48.0 | 60 x 150 x 1,220 |
| | 9 Fork spacing – out-to-out minimum / maximum | in | mm | 47 | 1,190 | 47 | 1,190 | 47 | 1,190 | 47 | 1,190 | 47 | 1,190 |
| | 10 Tilt – forward / backward | deg | | 6 / 12 | | 6 / 12 | | 6 / 12 | | 6 / 12 | | 6 / 12 | |
| 11 Load distance, axle to fork face | in | mm | 23 | 577 | 23 | 577 | 23 | 582 | 24 | 602 | 24 | 602 | |
| 12 Overall width | in | mm | 55.7 / 77.4 | 1,415 / 1,965 | 57.5 / 77.4 | 1,460 / 1,965 | 57.5 / 77.4 | 1,460 / 1,965 | 57.5 / 77.4 | 1,460 / 1,965 | 57.5 / 77.4 | 1,460 / 1,965 | |
| 13 Overall length | in | mm | 166 | 4,220 | 171 | 4,350 | 173 | 4,390 | 178 | 4,530 | 180 | 4,580 | |
| 14 Overall mast height (mast lowered) | in | mm | 91 | 2,320 | 91 | 2,320 | 94 | 2,400 | 94 | 2,400 | 94 | 2,400 | |
| 15 Seat effective height | in | mm | 43 | 1,082 | 43 | 1,082 | 43 | 1,082 | 43 | 1,082 | 43 | 1,082 | |
| 16 Height to top of overhead guard | in | mm | 89 | 2,250 | 89 | 2,250 | 89 | 2,250 | 89 | 2,250 | 89 | 2,250 | |
| 17 Overall height (mast extended with backrest) | in | mm | 174 | 4,430 | 174 | 4,430 | 174 | 4,430 | 174 | 4,430 | 180 | 4,580 | |
| 18 Minimum turning radius | in | mm | 102 | 2,580 | 107 | 2,730 | 109 | 2,760 | 114 | 2,890 | 116 | 2,940 | |
| 20 Working aisle width with 1,000 x 1,200 mm pallets, crosswise | in | mm | 172 | 4,357 | 177 | 4,507 | 179 | 4,542 | 20 | 4,692 | 187 | 4,742 | |
| 20a Working aisle width with 800 x 1,200 mm pallets, lengthwise | in | mm | 164 | 4,157 | 170 | 4,307 | 171 | 4,342 | 20 | 4,492 | 179 | 4,542 | |
| PERFORMANCE | 21 travel speed – loaded / | mph | km/h | 13.4/13.7 | 21.5 / 22.0 | 13.0 / 22.0 | 21.0 / 22.0 | 13.0 / 22.0 | 21.0 / 22.0 | 13.0 / 22.0 | 21.0 / | 13.0 / 22.0 | 21.0 / 22.0 |
| | 22 lift speed – loaded / empty | fpm | m/s | 108.3/120.1 | 0.55 / 0.61 | 108.3/120.1 | 0.55 / 0.61 | 92.5 / 104.3 | 0.47 / 0.53 | 92.5 / 104.3 | 0.47 / | 92.5 / 104.3 | 0.47 / 0.53 |
| | 23 lowering speed – loaded / | fpm | m/s | 98.4/98.4 | 0.5 / 0.5 | 98.4/98.4 | 0.5 / 0.5 | 98.4/98.4 | 0.5 / 0.5 | 98.4/98.4 | 0.5 / 0.5 | 98.4/98.4 | 0.5 / 0.5 |
| | 26 Gradeability | % | | 29 / 26 | | 26 / 27 | | 24 / 26 | | 23 / 27 | | 21 / 25 | |
| | 27 Acceleration time (10 meters) loaded / empty | s | | 4.20 / 3.70 | | 4.52 / 3.87 | | 4.52 / 3.87 | | 4.52 / 3.87 | | 4.52 / 3.87 | |
| | 28 Total weight (unloaded –incl. battery (simplex) | lb | kg | 13,050 | 5,920 | 13,955 | 6,330 | 15,100 | 6,850 | 16,095 | 7,300 | 16,845 | 7,640 |
| | 29 Axle load | lb | kg | 19,750 / 2,115 | 8,960 / 960 | 21,400 / 2,490 | 9,710 / 1,130 | 23,369 / 2,756 | 10,600 / 1,250 | 24,295 / 2,820 | 11,020 / 1,280 | 25,880 / 3,085 | 11,740 / 1,400 |
| | 30 without load front / rear | lb | kg | 5,800 / 7,250 | 2,630 / 3,290 | 6,130 / 7,825 | 2,780 / 3,550 | 6,393 / 8,708 | 2,900 / 3,950 | 7,098 / 8,995 | 3,220 / 4,080 | 6,989 / 9,855 | 3,170 / 4,470 |
| | 31 Tire size | in | | 8.25-15-14PR | | 300-15-18PR | | 300-15-18PR | | 300-15-18PR | | 300-15-18PR | |
| | 33 rear | in | | 7.00-12-12PR | | 7.00-12-12PR | | 7.00-12-12PR | | 7.00-12-14PR | | 7.00-12-14PR | |
| CHASSIS | 34 Wheelbase | in | mm | 73 | 1,850 | 79 | 2,000 | 79 | 2,000 | 85 | 2,150 | 85 | 2,150 |
| | 35 Tread | in | mm | 46 | 1,175 | 46 | 1,175 | 46 | 1,175 | 46 | 1,175 | 46 | 1,175 |
| | 37 rear | in | mm | 46 | 1,180 | 46 | 1,180 | 46 | 1,180 | 46 | 1,180 | 46 | 1,180 |
| | 38 Under clearance | in | mm | 6 | 150 | 6 | 150 | 6 | 150 | 6 | 150 | 6 | 150 |
| | 39 at center of wheelbase, loaded | in | mm | 9 | 227 | 9 | 227 | 9 | 227 | 9 | 227 | 9 | 227 |
| | 40 Brakes | | | Hydraulic | | Hydraulic | | Hydraulic | | Hydraulic | | Hydraulic | |
| | 41 Type of drive control | | | Powershift 2/1 | | Powershift 2/1 | | Powershift 2/1 | | Powershift 2/1 | | Powershift 2/1 | |
| | 42 model | | | S6S | | S6S | | S6S | | S6S | | S6S | |
| | POWERTRAIN CHARACTERISTICS | 43 Engine | rated output | HP | kW | 77.1 | 57.5 | 77.1 | 57.5 | 77.1 | 57.5 | 77.1 | 57.5 |
| | | 45 maximum torque | lb-ft | N-m | – | – | – | – | – | – | – | – | – |
| 47 cylinder / displacement | | cu | L | 6 | 4,996 | 6 | 4,996 | 6 | 4,996 | 6 | 4,996 | 6 | 4,996 |
| 51 Relief pressure for attachments | | psi | bar | 2,770 | 191 | 2,770 | 191 | 2,770 | 191 | 2,770 | 191 | 2,770 | 191 |
| 52 Noise (CEN) | | dB(A) | | 84 | | 84 | | 84 | | 84 | | 84 | |

Specifications (Gas / LP)

| | | PFG40NT | | PFG45NT | | PFG50CNT | | PFG50NT | | PFG55NT | | | | | |
|-----------------|---|--------------------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|----------------|
| CHARACTERISTICS | 1 Rated capacity | lb | kg | 8800 | 4,000 | 9900 | 4,500 | 11000 | 5,000 | 11000 | 5,000 | 12125 | 5,500 | | |
| | 2 Load center | in | mm | 20 | 500 | 20 | 500 | 20 | 500 | 24 | 600 | 24 | 600 | | |
| | 3 Power | | | Gas / LPG | | Gas / LPG | | Gas / LPG | | Gas / LPG | | Gas / LPG | | | |
| | 4 Tire type V= solid, L=pneumatic - front / rear | | | L / L | | L / L | | L / L | | L / L | | L / L | | | |
| | 5 Wheels | | | 2x / 2 | | 2x / 2 | | 2x / 2 | | 2x / 2 | | 2x / 2 | | | |
| | 6 Maximum fork height (BOF) | in | mm | 130 | 3,300 | 130 | 3,300 | 130 | 3,300 | 130 | 3,300 | 130 | 3,300 | | |
| | 7 Free lift | in | mm | 6 | 150 | 6 | 150 | 6 | 150 | 6 | 160 | 6 | 160 | | |
| | 8 Forks – thickness x width x length | in | mm | 2.0 x 5.9 x 48.0 | 50 / 150 / 1,220 | 2.0 x 5.9 x 48.0 | 50 / 150 / 1,220 | 2.0 x 5.9 x 48.0 | 50 / 150 / 1,220 | 2.4 x 5.9 x 48.0 | 60 / 150 / 1,220 | 2.4 x 5.9 x 48.0 | 60 / 150 / 1,220 | | |
| | 9 Fork spacing – out-to-out minimum / maximum | in | mm | 47 | 1,190 | 47 | 1,190 | 47 | 1,190 | 47 | 1,190 | 47 | 1,190 | | |
| | 10 Tilt – forward / backward | deg | | 6 / 12 | | 6 / 12 | | 6 / 12 | | 6 / 12 | | 6 / 12 | | | |
| DIMENSIONS | 11 Load distance, axle to fork face | in | mm | 118 | 3,000 | 123 | 3,130 | 125 | 3,170 | 11 | 130 | 3,310 | 132 | 3,360 | |
| | 12 Overall width | in | mm | 55.7 / 77.4 | 1,415 / 1,965 | 57.5 / 77.4 | 1,460 / 1,965 | 57.5 / 77.4 | 1,460 / 1,965 | 12 | 57.5 / 77.4 | 1,460 / 1,965 | 57.5 / 77.4 | 1,460 / 1,965 | |
| | 13 Overall length | in | mm | 166 | 4,220 | 171 | 4,350 | 173 | 4,390 | 13 | 178 | 4,530 | 180 | 4,580 | |
| | 14 Overall mast height (mast lowered) | in | mm | 91 | 2,320 | 91 | 2,320 | 94 | 2,400 | 14 | 94 | 2,400 | 94 | 2,400 | |
| | 15 Seat effective height | in | mm | 43 | 1,082 | 43 | 1,082 | 43 | 1,082 | 15 | 43 | 1,082 | 43 | 1,082 | |
| | 16 Height to top of overhead guard | in | mm | 89 | 2,250 | 89 | 2,250 | 89 | 2,250 | 16 | 89 | 2,250 | 89 | 2,250 | |
| | 17 Overall height (mast extended with backrest) | in | mm | 154 | 3,920 | 154 | 3,920 | 157 | 4,000 | 17 | 157 | 4,000 | 157 | 4,000 | |
| | 18 Minimum turning radius | in | mm | 102 | 2,580 | 107 | 2,730 | 109 | 2,760 | 18 | 114 | 2,890 | 116 | 2,940 | |
| | 20 Working aisle width with 1,000 x 1,200 mm pallets, crosswise | in | mm | 172 | 4,357 | 177 | 4,507 | 179 | 4,542 | 20 | 185 | 4,692 | 187 | 4,742 | |
| | 20a Working aisle width with 800 x 1,200 mm pallets, lengthwise | in | mm | 164 | 4,157 | 170 | 4,307 | 171 | 4,342 | 20 | 177 | 4,492 | 179 | 4,542 | |
| PERFORMANCE | 21 travel speed – loaded / lift speed – loaded / empty | mph | km/h | 13.7 / 13.9 | 22.0 / 22.5 | 13.7 / 13.9 | 22.0 / 22.5 | 13.7 / 13.9 | 22.0 / 22.5 | 21 | 13.7 / 13.9 | 22.0 / 22.5 | 13.4 / 13.9 | 21.5 / 22.5 | |
| | 22 Speeds | fpm | m/s | 112.2 / 118.1 | 0.57 / 0.60 | 112.2 / 118.1 | 0.57 / 0.60 | 96.5 / 102.4 | 0.49 / 0.52 | 22 | 96.5 / 102.4 | 0.49 / 0.52 | 96.5 / 102.4 | 0.49 / 0.52 | |
| | 23 lowering speed – loaded / empty | fpm | m/s | 98.4/98.4 | 0.50 / 0.50 | 98.4/98.4 | 0.50 / 0.50 | 98.4/98.4 | 0.50 / 0.50 | 23 | 98.4/98.4 | 0.50 / 0.50 | 98.4/98.4 | 0.50 / 0.50 | |
| | 26 Gradeability | 1 mph (1.6 km) loaded / empty | % | | 30 / 26 | | 27 / 26 | | 25 / 25 | 26 | | 23/26 | | 22 / 25 | |
| | 27 Acceleration time (10 meters) loaded / empty | s | | - / - | | - / - | | - / - | | 27 | | - / - | | - / - | |
| | 28 Total weight (unloaded –incl. battery (simplex) | lb | kg | 12,919 | 5,860 | 13,823 | 6,270 | 14,947 | 6,780 | 28 | 15,961 | 7,240 | 16,689 | 7,570 | |
| | 29 Axle load | with rated load front / rear | lb | kg | 18,717 / 2,028 | 8,940 / 920 | 21,340 / 2,403 | 9,680 / 1,090 | 23,302 / 2,667 | 10,570 / 1,210 | 29 | 24,228 / 2,755 | 10,990 / 1,250 | 25,816 / 2,998 | 11,710 / 1,360 |
| | 30 | without load front / rear | lb | kg | 5,754 / 7,165 | 2,610 / 3,250 | 6,062 / 7,760 | 2,750 / 3,520 | 6,327 / 8,642 | 2,870 | 30 | 7,032 / 8,928 | 3,190 / 4,050 | 6,900 / 3,130 | 4,440 |
| | 31 Tire size | front, single | in | | 8.25-15-14PR | | 300-15-18PR | | 300-15-18PR | | 31 | 300-15-18PR | | 300-15/8.00 | |
| | 33 | rear | in | | 7.00-12-14PR | | 7.00-12-14PR | | 7.00-12-14PR | | 33 | 7.00-12-14PR | | 7.00-12/5.00 | |
| CHASSIS | 34 Wheelbase | in | mm | 73 | 1,850 | 79 | 2,000 | 79 | 2,000 | 34 | 85 | 2,150 | 85 | 2,150 | |
| | 35 Tread | front, single | in | mm | 46 | 1,175 | 46 | 1,175 | 46 | 1,175 | 35 | 46 | 1,175 | 46 | 1,175 |
| | 37 | rear | in | mm | 46 | 1,180 | 46 | 1,180 | 46 | 1,180 | 37 | 46 | 1,180 | 46 | 1,180 |
| | 38 Under clearance | at mast | in | mm | 6 | 150 | 6 | 150 | 6 | 150 | 38 | 6 | 150 | 6 | 150 |
| | 39 | at center of wheelbase, loaded | in | mm | 9 | 227 | 9 | 227 | 9 | 227 | 39 | 9 | 227 | 9 | 227 |
| | 40 Brakes | service | | | Hydraulic | | Hydraulic | | Hydraulic | | 40 | Hydraulic | | Hydraulic | |
| | 41 Type of drive control | | | Powershift 2/1 | | Powershift 2/1 | | Powershift 2/1 | | Powershift 2/1 | | Powershift 2/1 | | Powershift 2/1 | |
| | 42 | model | | | GCT GK45 | | GCT GK45 | | GCT GK45 | | 42 | GCT GK45 | | GCT GK45 | |
| | 43 Engine | rated output | HP | KW | 96.6 | 72 | 96.6 | 72 | 96.6 | 72 | 43 | 96.6 | 72 | 96.6 | 72 |
| | 45 | maximum torque | lb-ft | N-m | 212 / 1,180 | 288 / 1,600 | 212 / 1,180 | 288 / 1,600 | 212 / 1,180 | 288 / 1,600 | 45 | 212 / 1,180 | 288 / 1,600 | 212 / 1,180 | 288 / 1,600 |
| POWERTRAIN | 47 | cylinder / displacement | cu | L | 6 | 4,452 | 6 | 4,452 | 6 | 4,452 | 47 | 6 | 4,452 | 6 | 4,452 |
| | 51 Relief pressure for attachments | psi | bar | 2,770 | 191 | 2,770 | 191 | 2,770 | 191 | 51 | 2,770 | 191 | 2,770 | 191 | |
| | 52 Noise (CEN) | | dB(A) | | 84 | | 84 | | 84 | 52 | | 84 | | 84 | |