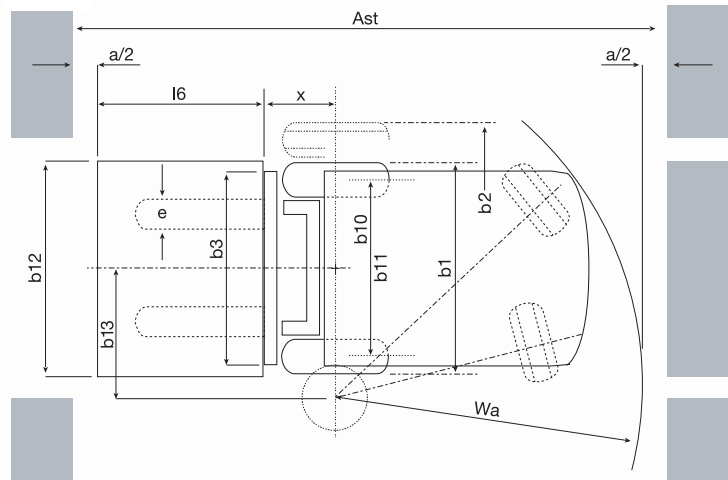
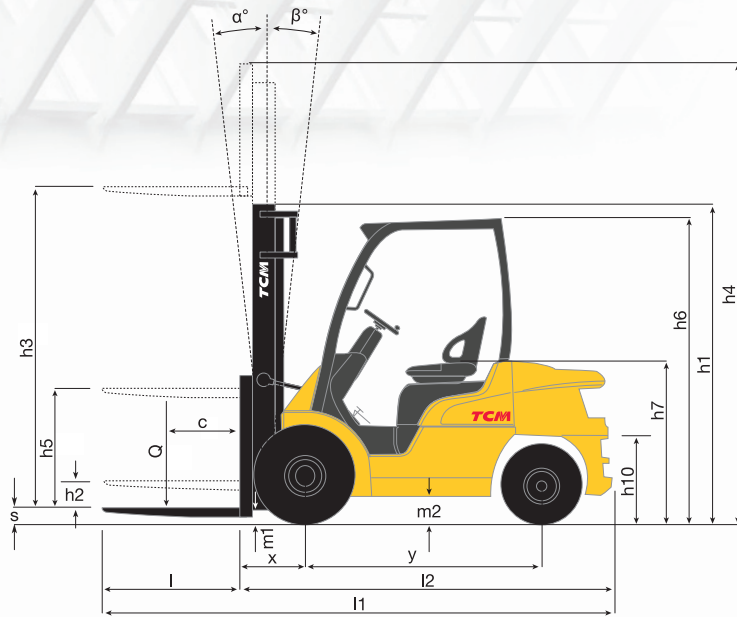


TECHNICAL SPECIFICATIONS

FD/FGE15-35(C)-E2



DIMENSIONS



| TCM Forklifts | | | |
|----------------|----------------|----------------|----------------|
| FGE20-E2 | FGE25-E2 | FGE30-E2 | FGE35-E2 |
| LPG | LPG | LPG | LPG |
| Seated | Seated | Seated | Seated |
| 2000 | 2500 | 3000 | 3500 |
| 500 | 500 | 500 | 500 |
| 455 | 460 | 495 | 495 |
| 1600 | 1600 | 1700 | 1700 |
| 3300 | 3600 | 4240 | 4630 |
| 4600/670 | 5390/680 | 6470/770 | 7180/950 |
| 1410/1860 | 1390/2180 | 1710/2530 | 1630/3000 |
| SE / SE | SE / SE | SE / SE | SE / SE |
| 7,00-12-12PR | 7,00-12-12PR | 28x9-15-12PR | 250-15-12PR |
| 6,00-9-10PR | 6,00-9-10PR | 6,50-10-10PR | 6,50-10-10PR |
| 2x / 2 | 2x / 2 | 2x / 2 | 2x / 2 |
| 960 | 960 | 1060 | 1060 |
| 980 | 980 | 980 | 980 |
| 6/10 | 6/10 | 6/10 | 6/10 |
| 2150 | 2150 | 2170 | 2300 |
| 140 | 140 | 145 | 145 |
| 3300 | 3300 | 3300 | 3300 |
| 4355 | 4355 | 4355 | 4355 |
| 2145 | 2145 | 2165 | 2175 |
| 940 | 940 | 990 | 990 |
| 310 | 310 | 330 | 340 |
| 3555 | 3630 | 3805 | 3865 |
| 2485 | 2560 | 2735 | 2795 |
| 1150 / 1640 | 1150 / 1640 | 1275/1690 | 1290/1690 |
| 40x100x1070 | 40x100x1070 | 45x125x1070 | 45x125x1070 |
| 2A | 2A | 3A | 3A |
| 1000 | 1000 | 1000 | 1000 |
| 115 | 115 | 135 | 150 |
| 135 | 135 | 165 | 170 |
| 3855 | 3890 | 4075 | 4135 |
| 3655 | 3690 | 3875 | 3935 |
| 4055 | 4090 | 4275 | 4335 |
| 2200 | 2230 | 2380 | 2440 |
| 715 | 715 | 780 | 780 |
| 19,0/19,5 | 19,0/19,5 | 19,0/19,5 | 16,5/18,0 |
| 0,59 / 0,61 | 0,59 / 0,61 | 0,52 / 0,53 | 0,43 / 0,44 |
| 0,50 / 0,50 | 0,50 / 0,50 | 0,53 / 0,50 | 0,42 / 0,40 |
| 17100/16800 | 17100/16700 | 21800/21400 | 19900/19800 |
| -/- | -/- | -/- | -/- |
| 35/60 | 30/53 | 32/60 | 26/48 |
| -/- | -/- | -/- | -/- |
| -/- | -/- | -/- | -/- |
| Hydraulic | Hydraulic | Hydraulic | Hydraulic |
| GK21E | GK21E | GK25E | GK25E |
| 41.0 | 41.0 | 46.9 | 46.9 |
| 2700 | 2700 | 2700 | 2700 |
| 4 / 2065 | 4 / 2065 | 4 / 2488 | 4 / 2488 |
| 151 | 151 | 188 | 188 |
| 1800 | 1800 | 1600 | 1600 |
| Powershift 1/1 | Powershift 1/1 | Powershift 1/1 | Powershift 1/1 |
| 180 | 180 | 180 | 180 |
| 73 | 73 | 73 | 73 |
| 79 | 79 | 79 | 79 |
| Pin | Pin | Pin | Pin |

FD/FGE15-35(C)-E2

MAST SPECIFICATIONS & RATED CAPACITIES

| MAST TYPE | Mast Name | Max fork height (mm) | Overall mast height lowered (mm) | | | | Free lift (mm) | | Mast tilt forward/backward (degrees) | FGE15-E2 | FGE18-E2 | FGE20C-E2 |
|-----------|-----------|----------------------|----------------------------------|-------------------|------------------|-------------------|------------------|---|--------------------------------------|------------------|----------|-----------|
| | | | Lowered | Extended | | With STD backrest | Without Backrest | Load Capacity (kgs) @ 500mm load centre | | | | |
| | | | | With STD backrest | Without Backrest | | | With STD backrest | | Without Backrest | | |
| SIMPLEX | 2SP30 | 3000 | 1990 | 4055 | 3635 | 80 | 80 | 6-10 | 1500 | 1750 | 2000 | |
| | 2SP33 | 3300 | 2140 | 4355 | 3935 | 80 | 80 | 6-10 | 1500 | 1750 | 2000 | |
| | 2SP35 | 3500 | 2240 | 4555 | 4135 | 80 | 80 | 6-10 | 1500 | 1750 | 2000 | |
| | 2SP37 | 3700 | 2340 | 4755 | 4335 | 80 | 80 | 6-6 | 1500 | 1750 | 2000 | |
| | 2SP40 | 4000 | 2540 | 5055 | 4635 | 80 | 80 | 6-6 | 1500 | 1750 | 2000 | |
| | 2SP45 | 4500 | 2790 | 5555 | 5135 | 80 | 80 | 6-6 | 1425 | 1700 | 1950 | |
| | 2SP50 | 5000 | 3050 | 6055 | 5635 | 80 | 80 | 6-6 | 1375 | 1400 | 1400 | |
| | 2SP55 | 5500 | 3300 | 6555 | 6135 | 80 | 80 | 6-6 | 850 | 850 | | |
| | 2SP60 | 6000 | 3550 | 7055 | 6635 | 80 | 80 | 6-6 | 525 | 525 | | |
| DUPLEX | 2FP30 | 3000 | 1995 | 4055 | 3635 | 940 | 1360 | 6-10 | 1500 | 1750 | 2000 | |
| | 2FP33 | 3300 | 2140 | 4350 | 3930 | 1085 | 1505 | 6-10 | 1500 | 1750 | 2000 | |
| | 2FP35 | 3530 | 2260 | 4570 | 4150 | 1205 | 1625 | 6-10 | 1500 | 1750 | 2000 | |
| | 2FP40 | 4020 | 2585 | 5085 | 4665 | 1530 | 1950 | 6-6 | 1500 | 1750 | 2000 | |
| TRIPLEX | 3FP37 | 3700 | 1790 | 4755 | 4335 | 735 | 1155 | 6-6 | 1500 | 1750 | 2000 | |
| | 3FP40 | 4000 | 1890 | 5055 | 4635 | 835 | 1255 | 6-6 | 1475 | 1750 | 2000 | |
| | 3FP43 | 4300 | 1990 | 5355 | 4935 | 935 | 1355 | 6-6 | 1425 | 1700 | 1950 | |
| | 3FP47 | 4700 | 2140 | 5755 | 5335 | 1085 | 1505 | 6-6 | 1375 | 1625 | 1900 | |
| | 3FP50 | 5000 | 2240 | 6055 | 5635 | 1185 | 1605 | 6-6 | 1325 | 1325 | 1325 | |
| | 3FP55 | 5500 | 2430 | 6555 | 6135 | 1375 | 1795 | 6-6 | 850 | 850 | | |
| | 3FP60 | 6000 | 2610 | 7055 | 6635 | 1555 | 1975 | 6-6 | 525 | 525 | | |
| | 3FP65 | 6500 | 2850 | 7555 | 7135 | 1795 | 2215 | 6-6 | 350 | 350 | | |
| | 3FP70 | 7000 | 3050 | 8055 | 7635 | 1995 | 2415 | 6-6 | 175 | 175 | | |

The capacities are applicable for pneumatic shaped solid tyres (SE).

| MAST TYPE | Mast Name | Max fork height (mm) | Overall mast height lowered (mm) | | | | Free lift (mm) | | Mast tilt forward/backward (degrees) | FD/FGE20-E2 | FD/FGE25-E2 |
|-----------|-----------|----------------------|----------------------------------|-------------------|------------------|-------------------|------------------|---|--------------------------------------|------------------|-------------|
| | | | Lowered | Extended | | With STD backrest | Without Backrest | Load Capacity (kgs) @ 500mm load centre | | | |
| | | | | With STD backrest | Without Backrest | | | With STD backrest | | Without Backrest | |
| SIMPLEX | 2SP30 | 3000 | 1995 | 4055 | 3635 | 120 | 120 | 6°/10° | 2000 | 2500 | |
| | 2SP33 | 3300 | 2145 | 4355 | 3935 | 120 | 120 | 6°/10° | 2000 | 2500 | |
| | 2SP35 | 3500 | 2245 | 4555 | 4135 | 120 | 120 | 6°/10° | 2000 | 2500 | |
| | 2SP37 | 3700 | 2345 | 4755 | 4335 | 120 | 120 | 6°/6° | 2000 | 2500 | |
| | 2SP40 | 4000 | 2545 | 5055 | 4635 | 120 | 120 | 6°/6° | 2000 | 2500 | |
| | 2SP45 | 4500 | 2795 | 5555 | 5135 | 120 | 120 | 6°/6° | 1950 | 2450* | |
| | 2SP50 | 5000 | 3065 | 6055 | 5635 | 120 | 120 | 6°/6° | 1900* | 2350* | |
| | 2SP55 | 5500 | 3315 | 6555 | 6135 | 120 | 120 | 6°/6° | 1850* | 2250* | |
| | 2SP60 | 6000 | 3565 | 7055 | 6635 | 120 | 120 | 6°/6° | 1800* | 2150* | |
| DUPLEX | 2FP30 | 3000 | 1995 | 4055 | 3660 | 980 | 1375 | 6°/10° | 2000 | 2500 | |
| | 2FP33 | 3300 | 2145 | 4350 | 3960 | 1130 | 1525 | 6°/10° | 2000 | 2500 | |
| | 2FP35 | 3530 | 2265 | 4585 | 4190 | 1250 | 1645 | 6°/10° | 2000 | 2500 | |
| | 2FP40 | 4020 | 2590 | 5075 | 4680 | 1575 | 1970 | 6°/6° | 2000 | 2500 | |
| TRIPLEX | 3FP37 | 3700 | 1795 | 4755 | 4360 | 780 | 1180 | 6°/6° | 2000 | 2500 | |
| | 3FP40 | 4000 | 1895 | 5055 | 4660 | 880 | 1280 | 6°/6° | 2000 | 2500 | |
| | 3FP43 | 4300 | 1995 | 5355 | 4960 | 980 | 1380 | 6°/6° | 1950 | 2450 | |
| | 3FP47 | 4700 | 2145 | 5755 | 5360 | 1130 | 1530 | 6°/6° | 1900 | 2350* | |
| | 3FP50 | 5000 | 2245 | 6055 | 5660 | 1230 | 1630 | 6°/6° | 1850* | 2300* | |
| | 3FP55 | 5500 | 2415 | 6555 | 6160 | 1400 | 1800 | 6°/6° | 1800* | 2200* | |
| | 3FP60 | 6000 | 2585 | 7055 | 6660 | 1570 | 1970 | 6°/6° | 1750* | 2100* | |
| | 3FP65 | 6500 | 2795 | 7555 | 7160 | 1780 | 2180 | 6°/6° | 1650* | 1750* | |
| 3FP70 | 7000 | 3065 | 8055 | 7660 | 2050 | 2450 | 6°/6° | 1250* | 1250* | | |

The capacities are applicable for pneumatic shaped solid tyres (SE).

*Capacities shown require truck equipped with dual tyres. Consult Residual capacity charts for the maximum back tilt allowed, to obtain the capacities specified.

| MAST TYPE | Mast Name | Max fork height (mm) | Overall mast height lowered (mm) | | | Free lift (mm) | | Mast tilt forward/backward/ (degrees) | FD/FGE30-E2 |
|-----------|-----------|----------------------|----------------------------------|-------------------|------------------|-------------------|------------------|---------------------------------------|---|
| | | | Lowered | Extended | | With STD backrest | Without Backrest | | Load Capacity (kgs) @ 500mm load centre |
| | | | | With STD backrest | Without Backrest | | | | |
| SIMPLEX | 2SP30 | 3000 | 2015 | 4055 | 3690 | 140 | 140 | 6 - 10 | 3000 |
| | 2SP33 | 3300 | 2165 | 4355 | 3990 | 140 | 140 | 6 - 10 | 3000 |
| | 2SP35 | 3500 | 2265 | 4555 | 4190 | 140 | 140 | 6 - 10 | 3000 |
| | 2SP37 | 3700 | 2365 | 4755 | 4390 | 140 | 140 | 6 - 6 | 3000 |
| | 2SP40 | 4000 | 2565 | 5055 | 4690 | 140 | 140 | 6 - 6 | 3000 |
| | 2SP45 | 4500 | 2815 | 5555 | 5190 | 140 | 140 | 6 - 6 | 2950 |
| | 2SP50 | 5000 | 3115 | 6055 | 5690 | 140 | 140 | 6 - 6 | 2850 |
| | 2SP55 | 5500 | 3365 | 6555 | 6190 | 140 | 140 | 6 - 6 | 2750 |
| | 2SP60 | 6000 | 3615 | 7055 | 6690 | 140 | 140 | 6 - 6 | 2400* |
| DUPLEX | 2FP30 | 3000 | 2045 | 4055 | 3705 | 1035 | 1385 | 6 - 10 | 3000 |
| | 2FP33 | 3250 | 2165 | 4305 | 3955 | 1155 | 1505 | 6 - 10 | 3000 |
| | 2FP35 | 3490 | 2285 | 4545 | 4195 | 1275 | 1625 | 6 - 10 | 3000 |
| | 2FP40 | 4010 | 2610 | 5065 | 4715 | 1600 | 1950 | 6 - 6 | 3000 |
| TRIPLEX | 3FP37 | 3700 | 1815 | 4755 | 4395 | 760 | 1165 | 6 - 6 | 3000 |
| | 3FP40 | 4000 | 1915 | 5055 | 4695 | 860 | 1265 | 6 - 6 | 3000 |
| | 3FP43 | 4300 | 2015 | 5355 | 4995 | 960 | 1365 | 6 - 6 | 3000 |
| | 3FP47 | 4700 | 2165 | 5755 | 5395 | 1110 | 1515 | 6 - 6 | 2900 |
| | 3FP50 | 5000 | 2265 | 6055 | 5695 | 1210 | 1615 | 6 - 6 | 2800 |
| | 3FP55 | 5500 | 2435 | 6555 | 6195 | 1380 | 1785 | 6 - 6 | 2750 |
| | 3FP60 | 6000 | 2605 | 7055 | 6695 | 1550 | 1955 | 6 - 6 | 2400* |
| | 3FP65 | 6500 | 2815 | 7555 | 7195 | 1760 | 2165 | 6 - 6 | 1750* |
| 3FP70 | 7000 | 3115 | 8055 | 7695 | 2060 | 2465 | 6 - 6 | 1250* | |

The capacities are applicable for pneumatic shaped solid tyres (SE).

*Capacities shown require truck equipped with dual tyres. Consult Residual capacity charts for the maximum back tilt allowed, to obtain the capacities specified.

| MAST TYPE | Mast Name | Max fork height (mm) | Overall mast height lowered (mm) | | | Free lift (mm) | | Mast tilt forward/backward/ (degrees) | FD/FGE35-E2 |
|-----------|-----------|----------------------|----------------------------------|-------------------|------------------|-------------------|------------------|---------------------------------------|---|
| | | | Lowered | Extended | | With STD backrest | Without Backrest | | Load Capacity (kgs) @ 500mm load centre |
| | | | | With STD backrest | Without Backrest | | | | |
| SIMPLEX | 2SP30 | 3000 | 2130 | 4055 | 3755 | 140 | 140 | 6 - 10 | 3500 |
| | 2SP33 | 3300 | 2280 | 4355 | 4055 | 140 | 140 | 6 - 10 | 3500 |
| | 2SP35 | 3500 | 2380 | 4555 | 4255 | 140 | 140 | 6 - 10 | 3500 |
| | 2SP37 | 3700 | 2480 | 4755 | 4455 | 140 | 140 | 6 - 6 | 3500 |
| | 2SP40 | 4000 | 2680 | 5055 | 4755 | 140 | 140 | 6 - 6 | 3500 |
| | 2SP45 | 4500 | 2930 | 5555 | 5255 | 140 | 140 | 6 - 6 | 3500 |
| | 2SP50 | 5000 | 3230 | 6055 | 5755 | 140 | 140 | 6 - 6 | 3400* |
| | 2SP55 | 5500 | 3480 | 6555 | 6255 | 140 | 140 | 6 - 6 | 3200* |
| | 2SP60 | 6000 | 3730 | 7055 | 6755 | 140 | 140 | 6 - 6 | 2400* |
| DUPLEX | 2FP30 | 3010 | 2180 | 4065 | 3825 | 1170 | 1410 | 6 - 10 | 3500 |
| | 2FP33 | 3300 | 2300 | 4355 | 4115 | 1290 | 1530 | 6 - 10 | 3500 |
| | 2FP35 | 3500 | 2445 | 4555 | 4315 | 1435 | 1675 | 6 - 10 | 3500 |
| | 2FP40 | 4000 | 2765 | 5055 | 4815 | 1755 | 1995 | 6 - 6 | 3500 |
| TRIPLEX | 3FP37 | 3700 | 1930 | 4755 | 4500 | 920 | 1170 | 6 - 6 | 3500 |
| | 3FP40 | 4000 | 2030 | 5055 | 4800 | 1020 | 1270 | 6 - 6 | 3500 |
| | 3FP43 | 4300 | 2130 | 5355 | 5100 | 1120 | 1370 | 6 - 6 | 3500 |
| | 3FP47 | 4700 | 2280 | 5755 | 5500 | 1270 | 1520 | 6 - 6 | 3450 |
| | 3FP50 | 5000 | 2380 | 6055 | 5800 | 1370 | 1620 | 6 - 6 | 3350 |
| | 3FP55 | 5500 | 2550 | 6555 | 6300 | 1540 | 1790 | 6 - 6 | 3200* |
| | 3FP60 | 6000 | 2720 | 7055 | 6800 | 1710 | 1960 | 6 - 6 | 2400* |
| | 3FP65 | 6500 | 2930 | 7555 | 7300 | 1920 | 2170 | 6 - 6 | 1750* |
| 3FP70 | 7000 | 3230 | 8055 | 7800 | 2220 | 2470 | 6 - 6 | 1250* | |

The capacities are applicable for pneumatic shaped solid tyres (SE).

*Capacities shown require truck equipped with dual tyres. Consult Residual capacity charts for the maximum back tilt allowed, to obtain the capacities specified.

FD/FGE15-35(C)-E2

STANDARD AND OPTIONS LIST

| | DIESEL | LPG | |
|---|------------|--------------|-------------|
| | FD20-35-E2 | FGE15-20C-E2 | FGE20-35-E2 |
| GENERAL | | | |
| Fully floating powertrain | ● | ● | ● |
| 1-Speed Powershift transmission for all models | ● | ● | ● |
| Single cast drive-axle | ● | ● | ● |
| Drum Brake System | ● | ● | ● |
| Double action parking brake with audible alarm | ● | ● | ● |
| Single solid pneumatic drive and steer tires | ● | ● | ● |
| Starter protection (anti restarter) | ● | ● | ● |
| Presence Detection System | ● | ● | ● |
| Neutral safety (Start inhibition in F/R) | ● | ● | ● |
| Corrugated wave fin type aluminium radiator | ● | ● | ● |
| Low Exhaust | ● | ● | ● |
| Elevated air intake | ● | ● | ● |
| Mechanical hydraulic levers | ● | ● | ● |
| Engine cover opening latch with engine shut-off sensor | ● | ● | ● |
| Engine cover insulator | ● | ● | ● |
| Engine under cover | ● | ● | ● |
| Battery quick-disconnect terminal | ● | ● | ● |
| Rubber Floor Mat | ● | ● | ● |
| Anti-skid step (on both sides) | ● | ● | ● |
| Full hydrostatic steering | ● | ● | ● |
| Tilt steering column with memory position | ● | ● | ● |
| Load weight indicator (for simplex & triplex masts) | ● | ● | ● |
| Grammer MSG65 Full suspension vinyl seat with orange belt and seat switch | ● | ● | ● |
| Steering wheel knob | ● | ● | ● |
| Audible back-up alarm | ● | ● | ● |
| Backup handle with horn | ● | ● | ● |
| LED front work lights, front indicator and rear combi lamp | ● | ● | ● |
| Cup holder | ● | ● | ● |
| Drawbar pin | ● | ● | ● |
| Deluxe Cabin | ● | — | ● |
| Dust proof kit | ● | ● | ● |
| Line filter for torque converter | ● | ● | ● |
| Rear view mirrors | ● | ● | ● |
| LPG swing down bracket, no tank | — | ● | ● |
| Tilt cylinder boot kit | ● | ● | ● |
| Universal Joint cover for powertrain | ● | ● | ● |

| | DIESEL | LPG | |
|------------------------------------|------------|--------------|-------------|
| | FD20-35-E2 | FGE15-20C-E2 | FGE20-35-E2 |
| CARRIAGES | | | |
| Side shift | ● | ● | ● |
| Integral side shift | ● | ● | ● |
| HYDRAULIC CONTROL | | | |
| 3-way control | ● | ● | ● |
| 4-way control | ● | ● | ● |
| PIPING & HOSING | | | |
| 3-way piping | ● | ● | ● |
| 4-way piping | ● | ● | ● |
| AIR INTAKE & EXHAUST | | | |
| Single element air cleaner | ● | — | — |
| Double element cyclone air cleaner | ● | ● | ● |
| Elevated exhaust | ● | ● | ● |
| COOLING SYSTEM | | | |
| Corrugated square radiator | ● | ● | ● |
| Anti-clog net for radiator | ● | ● | ● |
| High speed fan | ● | ● | ● |
| SEATS | | | |
| Grammer MSG65 Vinyl seat | ● | ● | ● |
| Grammer MSG65 Cloth seat | ● | ● | ● |
| Integrated Presence System | ● | ● | ● |
| ELECTRICAL | | | |
| Backup handle with horn button | ● | ● | ● |
| Electric diesel control | ● | — | — |
| Speed control system | — | ● | ● |
| LED rear work light | ● | ● | ● |
| Rotating beacon (orange) | ● | ● | ● |
| Rear Blue lamp | ● | ● | ● |
| Strobe light (orange) | ● | ● | ● |
| Large capacity battery | — | ● | ● |

KEY ● Standard ● Optional — Not available



TCM
Always Evolving

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