

OPTION & SPECIFICATION MANUAL

FD/FG15-35N

CEOM1855 (01/18)
© 2018 MCFE
Printed in The Netherlands
All rights reserved.



The dealer portal is leading and decides whether options can be added to trucks and/or combinations of options are possible. This manual is a quick reference and for information purposes only.

STANDARD CONFIGURATION

| | |
|--|---|
| Full hydrostatic steering | Load backrest |
| Fully floating powertrain | Single pneumatic drive and steer tires |
| Integrated Presence System (IPS) | Single solid pneumatic drive and steer tires for 20CN model |
| Drum Brake System | Single cast drive-axle (no oil leakage) |
| Tilt steering column with memory position | Engine cover opening latch with engine shut-off sensor |
| 1-Speed Powershift transmission for all models | Rubber Floor Mat |
| 3-Way hydraulic Control Valve | Corrugated wave fin type radiator |
| Manual control standard (levers) | Audible back-up alarm |
| Steering wheel knob | Low Exhaust |
| 2 Flood, stop, rear and indicator LED lights | Elevated air intake |
| Overhead guard | Auto light control (ambient light sensor) |
| Tilt cylinders | Noise insulation (low noise package) |
| Battery quick-disconnect terminal | Heavy duty grill |
| Fan guard | CE compliant engine |
| Double action parking brake with audible alarm | Anti-skid step (on both sides) |
| Undercover / Belly plate | Full suspension vinyl seat with belt and seat switch (seat switch disables hydraulic functions if operator is not seated) |

LCD Instrument Panel:

- Speedometer
- Digital clock
- Hour meter
- Fuel gauge (Diesel only)
- Park brake indicator
- Seat belt indicator
- Engine Coolant Gauge
- Mast interlock indicator
- Alternator Charging Indicator
- Glow plug indicator (Diesel only)
- Fuel filter water detection lamp (Diesel only)
- Forward, neutral, reverse direction indicator
- Engine check light (LPG only)
- Engine oil pressure warning indicator light
- Fault code indicator
- Powershift transmission oil temperature indicator

ENGINES

| | DIESEL | LPG |
|------------------|---------------------|-----------------------|
| Engine 15N-20CN | S4Q2 2.5 l, 30.0 kW | GK21LE 2.1 l, 41.0 kW |
| Engine 20N-25N | S4S 3.3 l, 38.1 kW | GK21LE 2.1 l, 41.0 kW |
| Engine 30N-35N | S4S 3.3 l, 38.1 kW | GK25LE 2.5 l, 46.9 kW |
| Alternator | 12 V / 50 A | 12 V / 50 A |
| Battery 15N-20CN | 55 Ah / 5 Hr | 28 Ah / 5 Hr |
| Battery 20-35N | 64 Ah / 5 Hr | 28 Ah / 5 Hr |
| Start motor | 2.2 kW | 1.2 kW |

MAST AVAILABILITY

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|---------------------|--------|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| Simplex 3000mm mast | 2SP300 | ● | ● | ● | ● | ● | ● | ● | ● |
| Simplex 3300mm mast | 2SP330 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Simplex 3500mm mast | 2SP350 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Simplex 3700mm mast | 2SP370 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Simplex 4000mm mast | 2SP400 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Simplex 4500mm mast | 2SP450 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Simplex 5000mm mast | 2SP500 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Simplex 5500mm mast | 2SP550 | ○ | - | ○ | ○ | ○ | - | ○ | ○ |
| Simplex 6000mm mast | 2SP600 | ○ | - | ○ | ○ | ○ | - | ○ | ○ |
| Duplex 3000mm mast | 2FP300 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Duplex 3300mm mast | 2FP330 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Duplex 3500mm mast | 2FP350 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Duplex 4000mm mast | 2FP400 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Triplex 3700mm mast | 3FP370 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Triplex 4000mm mast | 3FP400 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Triplex 4300mm mast | 3FP430 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Triplex 4700mm mast | 3FP470 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Triplex 5000mm mast | 3FP500 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Triplex 5500mm mast | 3FP550 | ○ | - | ○ | ○ | ○ | - | ○ | ○ |
| Triplex 6000mm mast | 3FP600 | ○ | - | ○ | ○ | ○ | - | ○ | ○ |
| Triplex 6500mm mast | 3FP650 | ○ | - | ○ | ○ | ○ | - | ○ | ○ |
| Triplex 7000mm mast | 3FP700 | ○ | - | ○ | ○ | ○ | - | ○ | ○ |

MAST OPTIONS

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|-------------------------|------------|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| Loose mast | LOOSE/MAST | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Lifting eyes for mast | M/HOK | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Uninstalled mast | UNINST/MST | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Heavy load side rollers | HL/SR* | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

*Cannot be combined with an integral sideshifter.

FORKS

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|------------------------|-------|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| Pair of forks 920 mm | L920 | ○ | ○ | ○ | - | ○ | ○ | ○ | - |
| Pair of forks 1,070 mm | L1070 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Pair of forks 1,150 mm | L1150 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Pair of forks 1,220 mm | L1220 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Pair of forks 1,370 mm | L1370 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Pair of forks 1,520 mm | L1520 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Pair of forks 1,670 mm | L1670 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Pair of forks 1,820 mm | L1820 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Pair of forks 1,970 mm | L1970 | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Fork deletion | FX | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

HYDRAULIC CONTROL

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|------------------------|-------|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| 3-way control valve MC | 3V/MC | ● | ● | ● | ● | ● | ● | ● | ● |
| 3-way control valve FC | 3V/FC | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 4-way control valve MC | 4V/MC | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 4-way control valve FC | 4V/FC | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

PIPING & HOSING

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|----------------------|-------|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| 3-way piping simplex | 3V/PS | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 3-way piping duplex | 3V/PD | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 3-way piping triplex | 3V/PT | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 4-way piping simplex | 4V/PS | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 4-way piping duplex | 4V/PD | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 4-way piping triplex | 4V/PT | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

TIRES

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|----------------------------------|-------|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| Pneumatic tires | LS/LS | ● | - | ● | ● | ● | - | ● | ● |
| Solid pneumatic tires | US/US | ○ | ● | ○ | ○ | ○ | ● | ○ | ○ |
| Pneumatic dual drive tires | SPELD | ○ | - | ○ | ○ | ○ | - | ○ | ○ |
| Solid pneumatic dual drive tires | SPEUD | - | - | ○ | ○ | - | - | ○ | ○ |

AIR INTAKE & EXHAUST

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|------------------------------------|--------|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| Single element air cleaner | CYC/S | ○ | ○ | ● | ● | - | - | - | - |
| Double element cyclone air cleaner | CYC/D | ● | ● | ○ | ○ | ● | ● | ● | ● |
| Elevated exhaust | UP/SA* | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

*Could interfere with LPG tank and/or cabins.

BACKREST

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|------------------------|-----|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| Load backrest deletion | BRX | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

CARRIAGES

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|-------------------------------|---------|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| Carriage 920 mm | WB92 | ● | ● | - | - | ● | ● | - | - |
| Carriage 1000 mm | WB10 | - | - | ● | ● | - | - | ● | ● |
| Side shifter 920 mm | SS092 | ○ | ○ | - | - | ○ | ○ | - | - |
| Side shifter 1000 mm | SS100 | - | - | ○ | ○ | - | - | ○ | ○ |
| Integral side shifter 920 mm | INSS092 | ○ | ○ | - | - | ○ | ○ | - | - |
| Integral side shifter 1000 mm | INSS100 | - | - | ○ | ○ | - | - | ○ | ○ |

COOLING SYSTEM

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|----------------------------|-----|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| Corrugated square radiator | CSQ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Anti-clog net for radiator | R/N | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| High speed fan | HSF | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

SEATS

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|------------------------------------|------------|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| Vinyl suspension seat | SEAT | ● | ● | ● | ● | ● | ● | ● | ● |
| Cloth suspension seat | SEAT/C | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Grammer MSG 65 Vinyl seat | SEAT/LX | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Grammer MSG 65 Cloth seat | SEAT/CLX | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Grammer MSG 65 Heated seat | S/HEAT/LX | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Grammer MSG 65 Heated cloth seat | S/HEAT/CLX | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Armrest LH side (for FC models) | ARMRST/LX | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Armrest LH+RH side (for MC models) | ARMRST/RH | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Backrest extension | BR/LX | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

ELECTRICAL OPTIONS

- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|---|------------|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| Backup handle with horn button | BHORN | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Electric diesel control (Diesel) | EDC | ○ | ○ | ○ | ○ | - | - | - | - |
| Speed control system (LPG) | SCS | - | - | - | - | ○ | ○ | ○ | ○ |
| Indicator kit | IND | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| LED light set | LED LIGHTS | ● | ● | ● | ● | ● | ● | ● | ● |
| LED rear work light | LEDRW | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Load weight indicator (for simplex & triplex masts) | LWI | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Rotating beacon (orange) | RB | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Strobe light (orange) | STRB | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| FNR switch on adjustable armrest | ARMDC* | ● | ● | ● | ● | ● | ● | ● | ● |

*Standard with FC models.

GENERAL OPTIONS

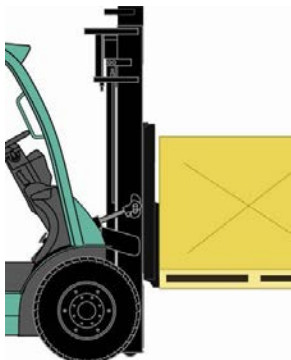
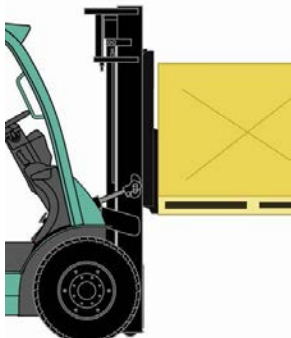
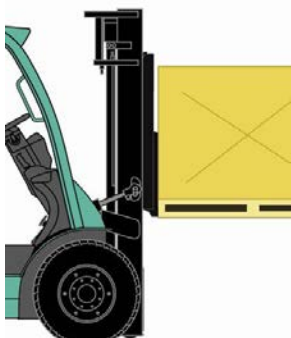
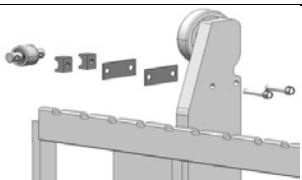
- = Standard
- = Optional
- = Not available

| | | DIESEL | | | | LPG | | | |
|--|-----------|--------|------|--------|--------|--------|------|--------|--------|
| | | 15-18N | 20CN | 20-25N | 30-35N | 15-18N | 20CN | 20-25N | 30-35N |
| Dust proof kit | DPB/KIT | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Line filter for torque converter | L/F | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Rear view mirrors | RVM | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Overhead guard painted in dark grey | HG/GREY | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| LPG bracket removed | LPGBX | - | - | - | - | ○ | ○ | ○ | ○ |
| LPG swing down bracket, no tank | LPG/SWING | - | - | - | - | ○ | ○ | ○ | ○ |
| Tilt cylinder boot kit | T/BT | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Convenience tray | TRAY* | ● | ● | ● | ● | ● | ● | ● | ● |
| Belly plate (under cover) | U/COV | ● | ● | ● | ● | ● | ● | ● | ● |
| Lifting eyes mounted on counter weight | W/HOK | ○ | ○ | ○ | ○ | - | - | - | - |
| Universal joint cover for powertrain | UJ/C | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

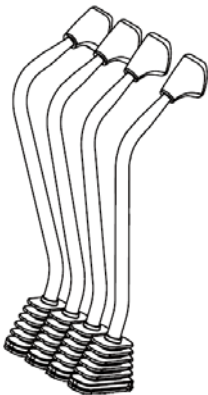

*Not available on FC models.


OPTIONS EXPLAINED

MASTS & MAST OPTIONS

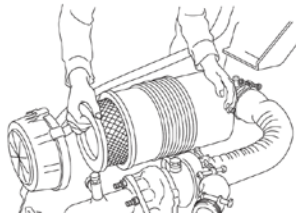

| CODE | DESCRIPTION | |
|--------------|--|---|
| Simplex mast | A two-stage mast with limited free lift. Excellent forward visibility through the mast. Restricted free lift up to 200mm, before the inner mast extends. |  |
| Duplex mast | A two-stage mast with full free lift. The mast concept is the same as in simplex masts, but due to the center-mounted free lift cylinder, the carriage can be raised without the mast extending. |  |
| Triplex mast | A three-stage mast with full free lift. This low profile mast features the carriage to lift without the mast extending, ideal for confined areas without giving in to visibility through and around the mast. |  |
| HL/SR | With the heavy load side rollers, it will be easier to handle and withstand the forces occurring when handling long and or wide loads. Note: Heavy load side roller not in combination with INSS. |  |
| M/HOK | Lifting eyes for mast With this option the mast can be hoisted using a crane. | |


| FORKS (dimensions) | | | |
|--------------------|---------------------|-----------------------|---------------------|
| CODE | 15N/18N (Class II) | 20(C)N/25N (Class II) | 30N/35N (Class III) |
| L920 | 920 x 100 x 35 mm | 920 x 100 x 45 mm | N.A. |
| L1070 | 1,070 x 100 x 35 mm | 1,070 x 100 x 45 mm | 1,070 x 122 x 45 mm |
| L1150 | 1,150 x 100 x 35 mm | 1,150 x 100 x 45 mm | 1,150 x 122 x 45 mm |
| L1220 | 1,220 x 100 x 35 mm | 1,220 x 100 x 45 mm | 1,220 x 122 x 45 mm |
| L1370 | 1,370 x 100 x 35 mm | 1,370 x 100 x 45 mm | 1,370 x 122 x 45 mm |
| L1520 | 1,520 x 100 x 35 mm | 1,520 x 100 x 45 mm | 1,520 x 122 x 45 mm |
| L1670 | 1,670 x 100 x 35 mm | 1,670 x 100 x 45 mm | 1,670 x 122 x 45 mm |
| L1820 | 1,820 x 100 x 35 mm | 1,820 x 100 x 45 mm | 1,820 x 122 x 45 mm |
| L1970 | 1,970 x 100 x 35 mm | 1,970 x 100 x 45 mm | 1,970 x 122 x 45 mm |



| HYDRAULIC CONTROL | | |
|-------------------|--|---|
| CODE | DESCRIPTION | |
| 3V/MC 4V/MC | <p>3-way valve manual control is a standard feature for all models. The manual control system is mounted directly on top of the valve block and it controls the valves directly with levers mounted on the dashboard.</p> <p>The standard configuration comes with 3 valves. For mast control, the minimum amount of hydraulic functions required is 2 valves (1 valve for the mast lift function and 1 valve for the mast tilt function). Additional valves are used for attachments.</p> |  |
| 3V/FC 4V/FC | <p>The fingertip control system is mounted on a fully adjustable ergonomic armrest; the hydraulic valves are controlled electronically.</p> <p>The standard configuration comes with 3 valves. For mast control, the minimum amount of hydraulic functions required is 2 valves (1 valve for the mast lift function and 1 valve for the mast tilt function). Additional valves are used for attachments.</p> <p>Often combined with front/neutral/reverse switch located in the armrest (option code ARMDC).</p> |  |


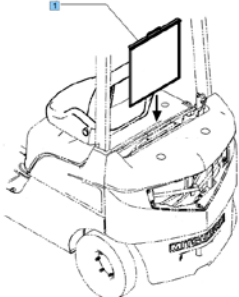
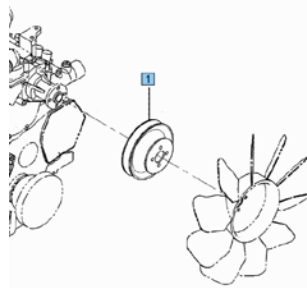
| PIPING & HOISING | | |
|--|---|---|
| CODE | DESCRIPTION | |
| 3V/PS 3V/PD 3V/PT 4V/PS 4V/PD 4V/PT | <p>Piping needs to be chosen in line with the selection of mast valves and the type of mast control. Normally the amount of control valves is higher or equal to the amount of mast piping.</p> |  |

| TIRES | | |
|-------|---|---|
| CODE | DESCRIPTION | |
| LS/LS | Standard configuration for models other than 20CN, same shape as solid pneumatic tires, but the tires are air filled. Characteristics: lower residual capacity, high comfort factor, low rolling resistance. |  |
| US/US | Standard feature for the 20CN model, optional for the other models. Terms that are also used: solid pneumatic tires, unique tires, pneumatic shaped solid tires, resilient tires and super elastics (SE). Characteristic of these tire types: high residual capacity (see mast charts), puncture resistant. |  |
| SPELD | Dual drive pneumatic shaped air-filled tires. Characteristics: more comfort and higher residual capacity. Dual drive tires are recommended in certain applications to improve the trucks residual capacity in combination with high masts. Note: Not available on 20CN models. |  |
| SPEUD | Dual drive pneumatic shaped solid tires. Characteristics: high residual capacity and high comfort with stable truck. Dual drive tires are recommended in certain applications to improve the trucks residual capacity in combination with high masts. Note: Not available on 15N-20CN models. |  |



| AIR INTAKE & EXHAUST | | |
|----------------------|---|---|
| CODE | DESCRIPTION | |
| CYC/S | Single element air cleaner filter. Standard feature on 20-35N. |  |
| CYC/D | Dual element air cleaner filter. Standard feature on 15-20CN and all LPG models. Optional for 20-35N. Two filter elements in one filter housing improves the efficiency of the air filter in dusty applications. | |
| UP/SA | <p>In applications with dust on the ground, this option prevents dust blown up into the air.</p> <p>Note: The vertical exhaust is mounted to the leg of the overhead guard and could interfere when a panel cabin is installed. When installing a rear window, a sliding window is recommended.</p> <p>Note 2: On LPG models, the vertical exhaust might interfere with the LPG tank.</p> |  |

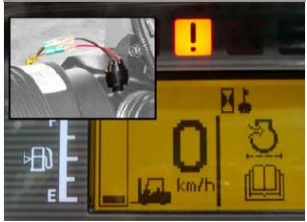




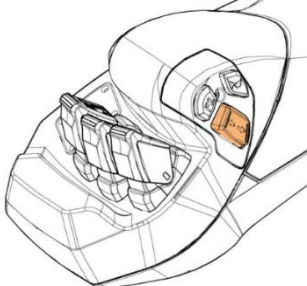
| BACKREST | | |
|----------|---|---|
| CODE | DESCRIPTION | |
| LBR | Standard Load backrest Load back rest dimension for 1.5-2.5T: h= 950mm Load back rest dimension for 3.0-3.5T: h= 1055mm |  |
| BRX | Deletion of the load backrest will improve the free lift height (h5) and the extended lift height (h4) will be reduced by: 15-20CN: h4 - 560mm, 20-25N: h4 - 580mm 30-35N: h4 - 480mm. Deletion of the load backrest increases the risk of falling objects! | |

| CARRIAGE | | |
|--------------------|---|---|
| CODE | DESCRIPTION | |
| SS092 SS100 | <p>920mm wide hook-on Cascade sideshifter (for 1.5-2.0CT models)</p> <p>1000mm wide hook-on Cascade sideshifter (for 2.0-3.5T models)</p> <p>This K-series Cascade hook-on side shifter is attached in front of the standard carriage. A side shifter improves productivity and operator comfort. The side shift stroke is 100 mm both sides, so 200 mm in total. The standard load backrest is mounted.</p> <p>One of the benefits of a hook-on attachment is that it's easy to mount to other lift trucks with the same FEM mounting class. The hook-on combination will increase the so called x-dimension or lost load.</p> |  |
| INSS092 INSS100 | <p>920mm wide integral Bolzoni sideshifter (for 1.5-2.0CT models)</p> <p>1000mm wide integral Bolzoni sideshifter (for 2.0-3.5T models)</p> <p>An integral side shifting carriage improves productivity and operator comfort. The standard carriage is replaced by a side shifting carriage. A benefit of integral attachments in general compared to hook-on attachments is its reduced x-dimension (lost load). The side shift stroke is 100 mm both sides, so 200 mm in total. The standard load backrest is mounted on top of this attachment.</p> |  |

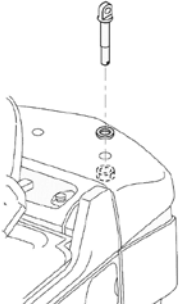
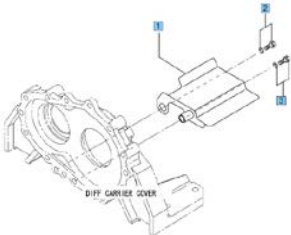
| COOLING SYSTEM | | |
|----------------|---|---|
| CODE | DESCRIPTION | |
| CSQ | Corrugated square type radiator |  <p>Square wave (optional) 4mm opening</p> |
| R/N | <p>Anti-clog net for radiator</p> <p>An optional radiator screen is available for applications with excessive dirt or debris in the air (for example lint, paper fiber, cotton or dry powders). Particles will accumulate on the screen rather than in the radiator. The screen can easily be removed to clean.</p> |  |
| HSF | <p>High speed cooling fan</p> <p>In demanding applications where additional cooling capacity is required, the high-speed fan provides more cooling air through the radiator.</p> <p>Note: This option results in a slightly higher noise level.</p> |  |

| SEATS | | |
|--|---|---|
| CODE | DESCRIPTION | |
| SEAT/C | <p>Cloth seat</p> <p>This option is replacing the vinyl full suspension seat by a seat with cloth lining. All the features common to the standard seat are included in the cloth seat, fully adjustable to the operator's requirements. Hip restraints, weight adjustment and a seatbelt are standard. This seat is recommended for indoor usage.</p> |  |
| SEAT/LX | <p>Grammer MSG65/531 vinyl seat</p> <ul style="list-style-type: none"> ▪ Very low-profile mechanical suspension ▪ Ergonomically shaped seat and back cushions for optimal lateral support. ▪ Suspension stroke: 80 mm (40 up/down) ▪ Weight adjustment range: 45-170 kg ▪ Backrest angle adjustable range -5 to 30° in steps of 2.5°. ▪ Lumbar support - easily adjusts for optimal back support and comfort ▪ A dual sensitive retractable seatbelt for maximum freedom of movement |  |
| SEAT/CLX S/HEAT/LX ARMRST/LX ARMRST/RH BR/LX | <p>Grammer MSG65/531 Cloth seat</p> <p>Grammer MSG65/531 Heated seat</p> <p>Armrest LH side (for FC models)</p> <p>Armrest LH+RH side (for MC models)</p> <p>Backrest extension</p> <p>Note: Additional lead time of 4 weeks.</p> | |

| ELECTRICAL OPTIONS | | |
|--------------------|--|---|
| CODE | DESCRIPTION | |
| BHORN | <p>Backup handle with horn button is mounted to the rear leg of the overhead guard. Provides quick and easy reach for operators who frequently travel in reverse.</p> |  |
| EDC SCS | <p>Features a "Power/Soft" mode and a "High/Low Speed" setting by two switches on the dashboard. The "Soft" setting feature reduces fuel consumption by up to 13% for Diesel and reduces noise by half (-3dB(A)). For LPG models, it reduces the fuel consumption up to 10%.</p> <p>EDC improves fuel economy, lowers noise, vibrations and emissions. The speed switch positions with "High" and "Low" are related to the vehicle speed and can be programmed via appropriate support software. Speed control on diesel trucks is only possible with the EDC option.</p> <p>Includes the following:</p> <ul style="list-style-type: none"> • Engine coolant temperature cutback • Transmission fluid temperature cutback • Engine oil pressure cutback • Ground speed control |  |

| | | |
|--------------|--|---|
| <p>IND</p> | <p>Includes a cyclone air cleaner and air cleaner dust warning indicator. The air cleaner dust warning indicator signals that there is an excessive amount of dust accumulated in the air filter. A visual indication on the instrument panel warns the operator to clean the air filter. The coolant level warning indicator is also a part of this kit. The indicator kit prevents poor engine performance due to insufficient air intake. It also prevents possible overheating due to low coolant fluid.</p> <p>Note: Please refer to the service manual to find more information regarding the icons on the LCD display.</p> |  |
| <p>LEDRW</p> | <p>Some applications require more light at the rear of the truck. For those applications, durable LED rear working lights are available.</p> |  |
| <p>LWI</p> | <p>The weight on the forks will be displayed on the display when the load is lifted. The weight shown is in tons. The readout is an estimation of the actual load on the forks and not for trade purpose.</p> <p>Note: Not available on duplex masts.</p> |  |
| <p>RB</p> | <p>An orange rotating beacon mounted above the overhead guard.</p> <p>An orange revolving or rotating beacon. Often used in areas with pedestrians. With this option, the height to the top of the overhead guard (h6) is increased by 150 mm.</p> <p>Note: will be delivered uninstalled.</p> |  |
| <p>STRB</p> | <p>Orange strobe light mounted below the overhead guard.</p> |  |
| <p>ARMDC</p> | <p>This Forward / Neutral / Reverse (FNR) directional switch is located in the armrest and replaces the FNR lever in the steering column. Based on the operator's preference an FNR switch in this position can be a very ergonomic and productive solution. The operator can operate direction and hydraulic controls with his right hand while turning the steering wheel with his left hand. The FNR switch is a toggle type switch and has three positions: Forward, Neutral and Reverse.</p> <p>Note: Only for FC models.</p> |  |

| GENERAL OPTIONS | | |
|-----------------|--|---|
| CODE | DESCRIPTION | |
| DPB/KIT | <p>The DPB/KIT option includes a dust-tight front axle breather and dust-proof seal on the hydraulic pump. In dusty and dirty environments, this option reduces the risk of contamination of the front axle oil and hydraulic oil circuit.</p> <p>The DPB/KIT consists of B/HYD and B/FAX.</p> |  |
| L/F | <p>The transmission is a key component of any forklift and to ensure reliability in dusty conditions it is essential to keep the oil clean, which is achieved with this filter. This option is especially useful in Brick and Block applications, smelters and other applications with fine dust particles in the air. Often combined with the DPB/KIT option.</p> |  |
| RVM | | |
| LPGBX | <p>LPG truck without LPG tank bracket. Select this option if you would like to receive the truck without a bottle mount.</p> |  |
| LPG/SWING | <p>LPG swing down bracket</p> <p>The LPG swing down bracket reduces the effort to exchange the LPG bottle. The swing down movement is supported by gas springs.</p> <p>Note: Does not include the LPG tank bottle.</p> |  |
| T/BT | <p>Tilt cylinder boots</p> <p>Boots to cover the chromium shafts of the tilt cylinders, to protect them against the environment which reduces the risk on damaging seals.</p> |  |
| TRAY | <p>Convenience tray</p> <p>Operator convenience tray with a clipboard holder.</p> <p>Note: Only available on MC models.</p> |  |

| | | |
|--------------|---|---|
| <p>W/HOK</p> | <p>Lifting eyes, counterweight mounted</p> |  |
| <p>UJ/C</p> | <p>The universal joint cover for the power train is an optional cover to protect the universal joint against dirt and debris.</p> |  |



CEOM1856 (01/2018)
© 2018 MCFE
Printed in The Netherlands
All rights reserved.

mitforklift@mcf.nl

www.mitforklift.com

Mitsubishi Forklift Trucks® is a registered trademark of Mitsubishi Heavy Industries®, Inc. All brand or product names are or may be trademarks of, and are used to identify products and services of, their respective owners.

This document may only be used certified Mitsubishi Forklift Trucks dealers, and should not be given to any client or customer or other third party.

NOTE: Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your distributor of Mitsubishi forklift trucks. Mitsubishi follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

Unauthorized copying and lending are prohibited.