

## ROUGH TERRAIN FORKLIFTS

**FL**

**3,5**

PRELIMINARY



CONSTRUCTION



LOGISTIC

|                             |   |                                      |
|-----------------------------|---|--------------------------------------|
| <b>Model Identification</b> | Model name  | FL3,5                                |
|                             | Load Capacity - with STD WVM3,0                             | 3,500 kg                             |
|                             | Load center   | 500 mm                               |
|                             | Power source  | Diesel                               |
|                             | Distance from the center of the front axle to the fork deck | 600 mm                               |
| <b>Weight</b>               | Weight  | 6,150 kg                             |
|                             | Weight on front axle (laden) / rear axle (laden)            | 8,320/1,330 kg                       |
|                             | Weight on front axle (unladen) / rear axle (unladen)        | 2,720/3,430 kg                       |
| <b>Wheels</b>               | Tyres type  | Pneumatic                            |
|                             | Tyres brand   | Exmle                                |
|                             | Dimensions of front wheels                                  | 14-17.5-14PR                         |
|                             | Dimensions of rear wheels                                   | 10,0/75-15,3                         |
|                             | Number of wheels drive                                      | 4WD - 2X /2X                         |
| <b>Stage V engine</b>       | Model name ID   | FL3,5-K/V                            |
|                             | Engine brand and model                                      | KUBOTA V2607-CR-TE5B                 |
|                             | Engine cylinders/displacement                               | 4/2615                               |
|                             | Rated speed   | 2,400 rpm                            |
|                             | Engine emission stage                                       | Stage V                              |
|                             | Kw/(hp)   | 47.3 kW (63hp)                       |
| <b>Performances</b>         | Travel speed (laden/unladen)                                | 23/25 km/h                           |
|                             | Lifting speed (laden/unladen)                               | 0.36/0.41 m/s                        |
|                             | Lowering speed (laden/unladen)                              | 0.4/0.45 m/s                         |
|                             | Drawbar pull (laden)  | 4,900 daN                            |
|                             | Gradeability (laden)  | 54 %                                 |
|                             | Transmission model  | 4F35S                                |
|                             | Transmission type   | Hydraulic - 3-speed Powershift       |
|                             | Axles type  | Wet braking                          |
|                             | Differential with automatic locking function                | Electric differential lock by manual |
|                             | Service brake   | Hydraulic                            |
|                             | Park brake  | Mechanical                           |
|                             | Battery   | 12 V                                 |
| <b>Others</b>               | Working hydraulic pressure for attachments                  | 185 bar                              |
|                             | Oil flow rate for attachments                               | 80 l/min                             |
|                             | Noise level Lwa dB(A) guaranteed                            | 101 dB(A)                            |

## FULL COSTUMIZATION POTENTIAL

You can get max comfort even in extreme environments! Choose from a full list of options for your forklift from the sound-absorbing panel to the closed cab.

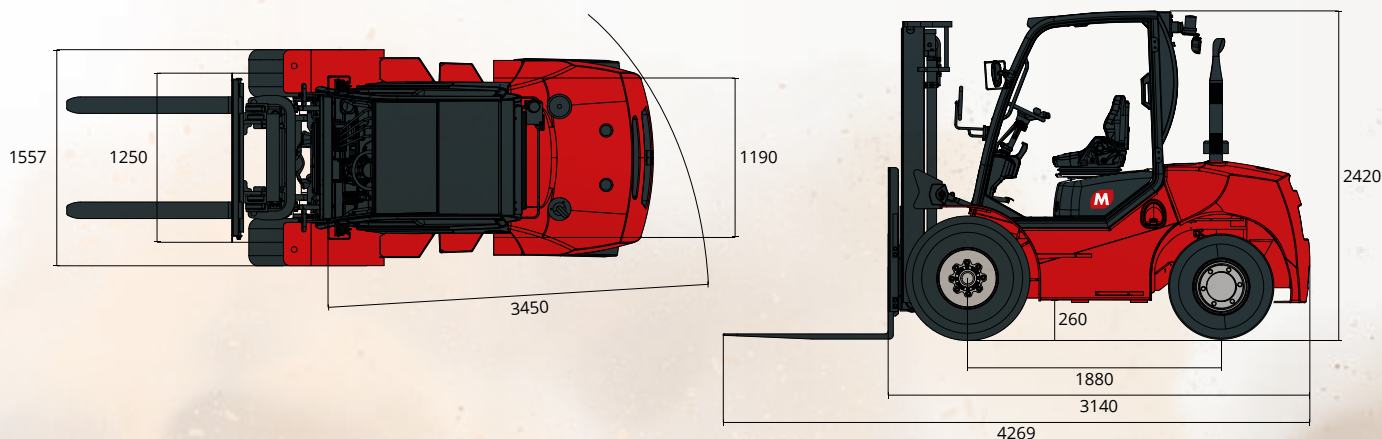
Get the best efficiency and versatility for your workday.



## FULLY CLOSED CAB AVAILABLE AS AN OPTION

Customize your machine with a fully enclosed cabin, full-height doors, and an optional air conditioning and heating system for ultimate operator comfort and flexibility.

# DIMENSIONS

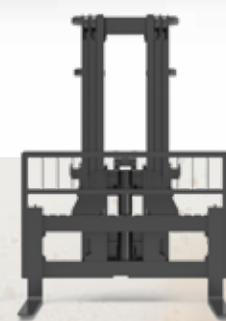
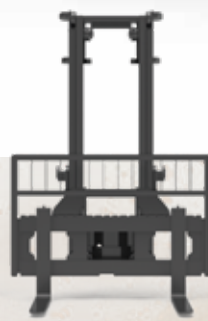


**EXCEPTIONAL**  
**OFF-ROAD TRACTION**

**EXCELLENT**  
**MANEUVERABILITY**

**ROBUST**  
**AND DURABLE MATERIALS**

**GREAT**  
**LOAD CAPACITY**  
**& LIFTING HEIGHT**



## MASTS

| Type                                     |                                       | Wide View |           |           | Triplex   |           |           |           |           |
|--|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Model                                    |                                       | M-FL-1001 | M-FL-1002 | M-FL-1003 | M-FL-1004 | M-FL-1005 | M-FL-1006 | M-FL-1007 | M-FL-1008 |
| Configuration                            |                                       | std       | opt       | opt       | opt       | opt       | opt       | opt       | opt       |
| Max. lifting height (mm)                 |                                       | 3,000     | 3,700     | 4,000     | 4,000     | 4,300     | 4,500     | 4,700     | 5,000     |
| Max. height (mm)                         | Lowered height                        | 2,350     | 2,700     | 2,950     | 2,300     | 2,400     | 2,450     | 2,550     | 2,700     |
|  | Extended height without load backrest | 3,993     | 4,693     | 4,993     | 5,025     | 5,325     | 5,525     | 5,725     | 6,025     |
| Free lift height (mm)                    | Without load backrest                 | 150       | 150       | 150       | 1,031     | 1,131     | 1,181     | 1,281     | 1,431     |
| Front overhang (mm)                      |                                       | 600       | 600       | 600       | 618       | 618       | 618       | 618       | 618       |
| Tilting angle                            | Front                                 | 10        | 10        | 10        | 10        | 10        | 10        | 10        | 6         |
|  | Rear                                  | 12        | 12        | 12        | 12        | 12        | 12        | 12        | 6         |
| Load Capacity (kg)<br>500 mm load center | ISO 22915-2                           | 3,500     | 3,500     | 3,400     | 3,300     | 3,000     | 2,900     | 2,700     | 2,500     |
|  | ISO 22915-13                          | 3,500     | 2,800     | 2,500     | 2,400     | 2,200     | 1,900     | 1,500     | 1,200     |

With Cascade fork positioner -300Kg on load capacity.

With Cascade sideshifter and fork positioner -500Kg on load capacity

## FEATURES FL 3,5

Open cabin (front & rear windshield)  
Front & rear wipers  
Road lights front and rear  
LED front working light  
Blue light  
Flashing amber beacon light  
Right & left rear view mirrors  
Panoramic spherical mirror  
4 valve and piping  
Tie-down rings  
Suspended seat  
Seat belt interlock system predisposition (OPS needed if required)  
Comfort armrest  
4-inch color LCD screen  
On board diagnostic system  
Emergency stop button inside of the cabin  
Manual parking brake  
Hourmeter  
Back-up buzzer

## OPTIONS FL 3,5

Closed cabin  
Heater  
Air conditioning  
Noise insulating pad  
Super elastic tyre (replace standard tyres)  
Front solid tyres  
No marking tyres  
European standard 7-core waterproof socket  
5th additional hose  
5th additional valve  
Sparkle arrestor  
Additional lockable main power switch inside of the cab  
Operator presence system (OPT) with alarm - CE 2023  
Operator presence system with engine inhibition - mandatory for Australia  
Customized painting  
Predisposition for road registration  
Fleet management - CAN-bus plug predisposition

## FULL RANGE



FL 2,5



FL 3,0



FL 3,5



FL 5,0