

FIGHTER 280



| GVM | GCM | POWER | W/BASE | CODE |
|----------|----------|-------|---------|-------------|
| 16,000kg | 32,000kg | 280ps | 4,280mm | FM65FH2RFAK |
| 12,000kg | 32,000kg | 280ps | 4,280mm | FM65FH2RFAK |

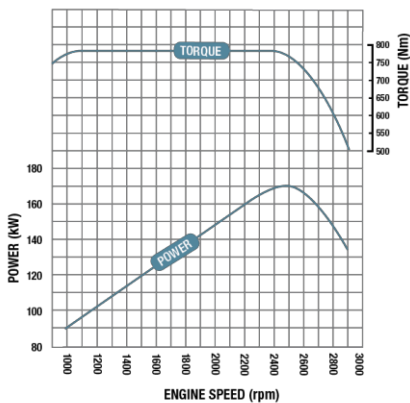
PERFORMANCE

| | |
|--------------------------------|-----------|
| Electronically Speed Limited: | 100 km/hr |
| Gradeability at Rated GVM: | 53.5% |
| Gradeability at Rated GCM: | 23.5% |
| Turning Circle (kerb to kerb): | 14.6m |

ENGINE

| | |
|---|---|
| Mitsubishi FUSO 6M60-9AT2 Diesel (Euro V) | |
| Configuration: | 6 cyl. in-line OHC, 4-valve |
| Type: | Turbocharged with air to air intercooler PCV & common rail fuel system SCR after-treatment system (BlueTec) |
| Displacement: | 7,545cc |
| Bore: | 118mm |
| Stroke: | 115mm |
| Power (JIS Gross): | 207kW (281ps) @ 2,500rpm |
| Torque (JIS Gross): | 802Nm (592lb/ft) @ 1,100-2,400rpm |
| Maximum Engine Speed: | 2,900 rpm |
| Compression Ratio: | 16:0:1 |
| Oil Cooler: | Plate type, water cooled |
| Air Cleaner: | Dual element cyclonic with vertical intake & air restriction indicator |

6M60-9AT2 DIESEL ENGINE MODEL



FUEL

| | |
|--------------------------------|---|
| Injection System: | DENSO common rail system |
| Governor: | Electronic |
| Fuel Tank: | 200 Litres Rectangular with Lockable Cap |
| Fuel Cooler: | Fitted |
| AdBlue Exhaust Fluid Capacity: | 40 litres |

COOLING

| | |
|------------|------------------------------------|
| Fan: | 540mm dia. 10 blades |
| Fan Drive: | Thermo modulated |
| Radiator: | Corrugated fin with expansion tank |

ELECTRICAL

| | |
|----------------------|---------------------------------------|
| Voltage: | 24V negative earth |
| Alternator Capacity: | 24V-80 amp |
| Starter Capacity: | 24V-5.0kW |
| Battery Capacity: | Heavy duty 2x12V, 100Ah/20hr |
| Headlamp – Type: | Quartz Halogen multi parabola |
| – Capacity: | Low beam 2 x 70W High beam 2 x 75W |

CLUTCH

| | |
|----------------|-----------------------------------|
| Model: | C7M38 |
| Disc Diameter: | 380mm |
| Type: | Single dry plate |
| Operation: | Air assisted hydraulic |
| Facing Area: | Cerametallic – 754cm ² |

TRANSMISSION

| | |
|----------------|-----------------------|
| Model: | Eaton ES-11109 |
| No. of Speeds: | 9 forward, 1 reverse |
| Synchromesh: | 1L~4H |
| | Low High |
| Ratios: | - Low: 12.64 |
| | - 1st: 8.81 2.48 |
| | - 2nd: 6.55 1.85 |
| | - 3rd: 4.77 1.34 |
| | - 4th: 3.55 1.00 |
| | - Reverse: 13.21 |
| PTO Opening: | LH side |

PROPELLER SHAFT

| | |
|------------------|---------------|
| Type: | P12 |
| Universal Joint: | Needle roller |

FRONT AXLE

| | |
|-----------------------------|-------------------------|
| Model: | F650T |
| Type: | Reverse Elliot 'T' beam |
| Design Capacity: | 6,300kg |
| Maximum Operating Capacity: | 6,300kg |

REAR AXLE

| | |
|-----------------------------|----------------------|
| Model: | R080T/D10H |
| Type: | Full floating hypoid |
| Design Capacity: | 10,800kg |
| Maximum Operating Capacity: | 10,000kg |
| Ratio: | 4.625:1 |

STEERING

| | |
|------------------|--------------------------------------|
| Type: | Integral power assisted – ball & nut |
| Steering Wheel: | Airbag |
| Steering Column: | Tilt/telescopic adjustable with lock |

BRAKES

| | |
|-------------|--|
| Type: | Full air, dual circuit, Mitsubishi taper roller with automatic brake adjustment, EZGO hill start assist, ABS & ASR |
| Size: | Front: 410 x 150mm Rear: 410 x 200mm |
| Park Brake: | Rear wheel spring actuated |
| Auxiliary: | Exhaust brake |
| Compressor: | Water cooled, 340cc single cylinder with air dryer |

FRONT SUSPENSION

| | |
|---------------------|---|
| Type: | Parabolic leaf |
| Size: | 1,400 x 80 x 20mm – 1 leaf x 22mm – 2 leaves |
| Capacity at Ground: | 3,665kg each |
| Shock Absorbers: | Double acting |

REAR SUSPENSION

| | |
|---------------------|-------------------------------|
| Type: | Semi-elliptic leaf |
| Size: | 1,400 x 80 x 11mm – 10 leaves |
| Auxiliary: | 960 x 80 x 11mm – 10 leaves |
| Capacity at Ground: | 5,100kg each |

CHASSIS

| | |
|-------------------|------------------|
| Type: | Parallel channel |
| Size: | 280 x 90 x 8.0mm |
| Width: | 841mm |
| Tensile Strength: | 540Mpa |



WHEELS & TYRES

| | | |
|--------|---------------|-----------------------|
| Wheel: | Type: | 6 x Single piece disc |
| | Size: | 22.5 x 8.25DC-165-13t |
| | Stud pattern: | 10 x 335mm PCD |
| Tyre: | Size: | 11R22.5 148/145L |

KERB WEIGHT (kg – estimated)

| | |
|--------|---------|
| Front: | 2,915kg |
| Rear: | 1,925kg |
| Total: | 4,840kg |

Includes coolant, oils, tools and 20 litres fuel.

CAB FEATURES

All steel forward control

| | |
|----------------------|---|
| Type: | Manual tilt 44 deg |
| Mounting: | Hydroelastic susp 4 point |
| Colour: | Natural White |
| Interior: | Fully trimmed with vinyl floor mat |
| Windscreen: | Laminated tinted |
| Windscreen Wipers: | 2 Speed + Intermittent Cycle with Integrated Washer Nozzles |
| Door: | 90 degree opening angle |
| Steering Column: | Telescopic & Tilt |
| Rear Vision Mirrors: | Remote / heated with Convex Spotter (both sides) |
| Seating Capacity: | 3 |
| Seat Belts: | 2 ELR lap sash, 1 lap with pre-tensioners |
| Seats: | Driver: ISRI air suspension with auto levelling, height, tilt and dampening adjustment Integral headrest & fabric trim forward folding |
| LH: | Fixed base, reclining, integral headrest & fabric trim |

STANDARD FEATURES

Safety

- ABS
- Driver's Air Bag
- Seat Belt Pre-tensioners
- LH Transom Window
- Reverse Warning Buzzer
- Heated and remote controlled exterior mirrors
- EZGO Hill Start Assist

Driving

- Keyless Central Locking
- Electric Windows
- Cruise Control
- 24V Accessory Power Outlet/Cigar Lighter
- Air Conditioner/Heater/Demister
- Radio/CD Player/AUX/Bluetooth/Audio Streaming
- Cup Holders (4)
- Rear Quarter Glass
- Fluorescent Cabin Lamp and Interior Reading Lamps
- Engine Idle Speed Control

Storage

- Centre Seat Storage Console
- LH Seat Storage Tray
- Rear Bunk Storage Pocket
- Dash Storage Tray 2 DIN Glove Compartment
- 1 Single & 1 Double DIN Slot for Accessories
- Overhead Storage Pocket with Lid
- RH Door Storage Pocket

Cab External

- Roof Mounting Points (max. static load 70kg)
- Front End-Outline Marker Lamps

Chassis

- Tool Kit & Chassis Mounted Tool Box

INSTRUMENTS

Gauges:

- Speedo with Odometer
- Tachometer
- Air pressure (2)
- Fuel level & urea level
- Water temperature

Colour Information Display:

- Fuel consumption
- Service indicators
- Hour meter and tripmeter

Warning Lamps:

- Glow plug indicator
- ABS
- Turn signal
- High beam
- Exhaust brake
- Oil level
- AdBlue low
- Fuel low
- Park brake
- Alternator
- Oil filter blockage
- Engine control/cruise control (ECU)
- Air filter restriction
- Door opening
- Cab tilt lock

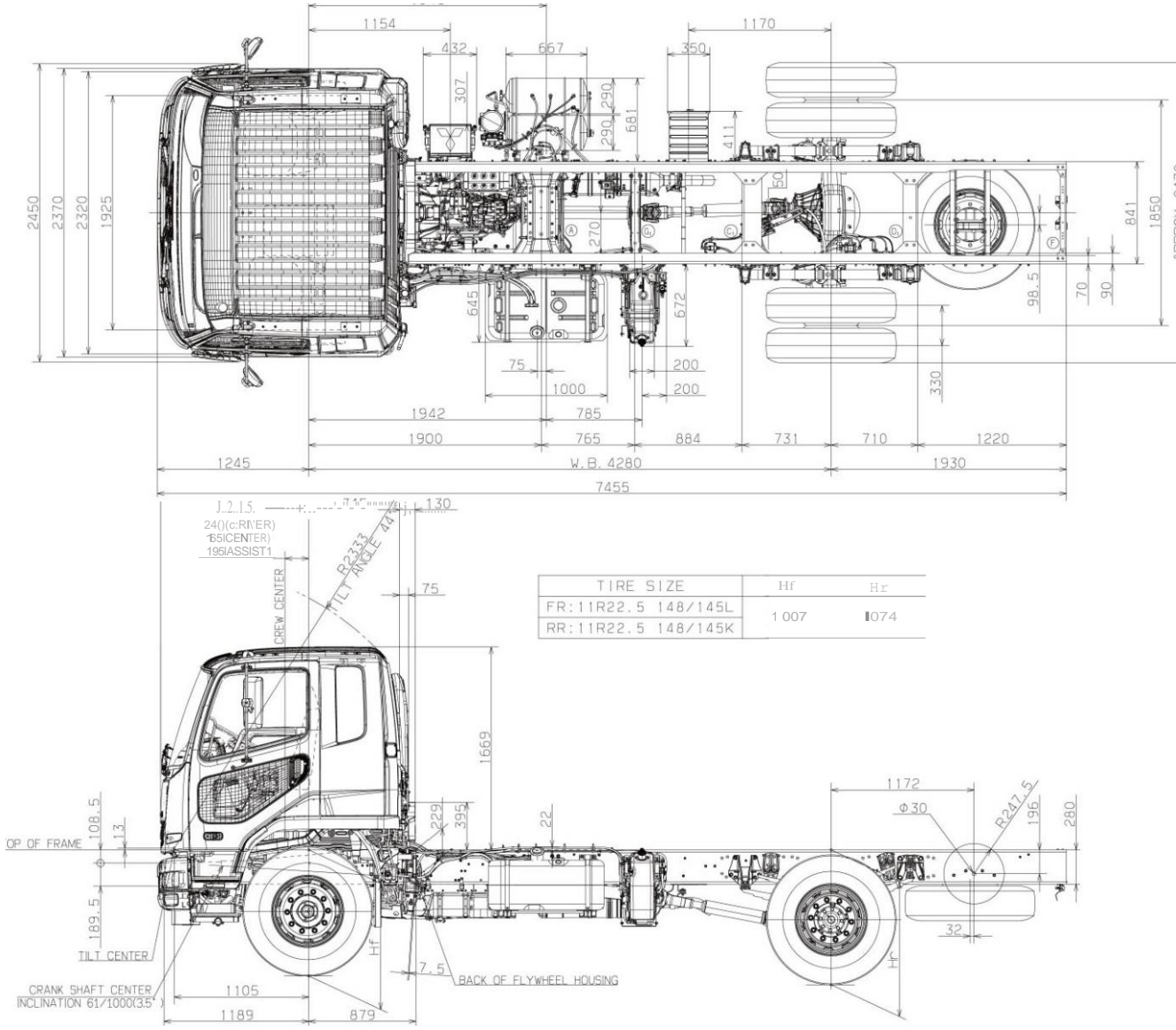
Warning Lamp/Buzzer:

- Air pressure
- Oil pressure
- Engine overheat/low coolant level

10.5 Chassis cab drawings

FM289 H1 / FM289 H1D

FM65FH2RFAK



NOTE: FOR THE DETAILS OF CROSSMEMBERS, SEE "OE.A.ILS OF CROSSMEMBERS".

UNIT mm
SCALE 1/40