

V O L V O

VOLVO FM

FM 440 6X2 T RAS PRIME MOVER

(PETROLEUM SPECIFICATION)



Volvo Trucks. Driving Progress

All images are for illustration purposes only. Actual product may vary.

VOLVO FM 440 6x2 T RAS Prime Mover

(Petroleum Specification)

GVW : 29,600kg
GCW : 70,000kg
FRONT AXLE LOAD : 7,100kg
REAR AXLE LOAD : 22,500kg

ENGINE D13A440 (Euro 3)

D13A440
In-line six cylinders Inter-cooled turbo charged. Tropicalised watercooled Electronic Management System (EMS) with Cruise Control and Speed limiter
Incorporated with engine brake effect VEB+ at 2300 r/min*: 375 kW
Smart water separator as standard
Maximum output: 324kW (440hp) 1400-1800rpm
Maximum torque: 2200Nm 1050-1400rpm
Economy engine speed range 1050-1600 rpm
Engine Idling Shutdown

GEARBOX

AT2612F
12-speed electronically controlled splitter and range-change transmission designed for automatic gearchanging, with the possibility of manual shifts
Incorporated with extra-high performance oil cooler

REAR AXLE

RSS1370-Solo axle with hypoid single reduction
Maximum axle weight: 22.5T
Fitted with a differential lock

FRONT SUSPENSION

2-leaf parabolic springs with Anti-Roll Bar

REAR SUSPENSION

8 Bellow Suspension with Stabilizer
Equipped with electronic leveling & cabled remote control
Equally distributed load between both rear axles

BRAKE SYSTEM

Disc Brake with Electronic Braking System (EBS Medium), and Electronic Stability Program (ESP Bas-1)
Dual-circuit compressed air braking system with separate circuit for front and rear with Air Drier
Electric Parking Brake
Disc Brake with Sobic disc
Brake Pad Wear Warning Information Signal In Cab
With Advanced Functionally: Anti-Lock Braking System (ABS), Traction Control System (TCS), Lining Wear Sensing (20%), Lining Wear Control, Brake Blending, Drag Torque Control, Differential Lock Synchronize, Differential Lock Control, Brake Temperature Warning, External Brake Demand, Diagnosis Via Truck Electrical System, Emergency Brake Assistance, Constant Wheel Brake Monitoring, Coupling Force Control, Automatic Parking Brake Activation, Lining Wear Analysis, Hill Starting Assistance, EBS status monitoring via Truck Electronic System

EXHAUST SYSTEM

Right hand side horizontal muffler with exhaust discharge beneath chassis behind Cabin

WHEELBASE

3,200mm + 1370

RIM SIZE

8.25 x 22.5, Dura-Bright polished aluminum rims- Eleven (11) pieces

TYRE SIZE

295/80R22.5, tubeless tire

ELECTRICAL EQUIPMENT

24 V system with 12V transformer
Standard Batteries - Capacity 170 Ah - Two (2) pcs
Alternator : Capacity 110 A
With ADR Compliance on with automatic cut off on master switch, internal and emergency cut off switch

CABIN

FM - Sleeper : Sleeper Cabin with two seats and sleeping bunk
Electrical Manual Control Air-conditioning system
Dashboard Integrated 9" color information side display
12" Fully dynamic instrument display
Additional Road Speed Limit (ARSL)
Immobilizer
Airbag (Driver side only)
Steering Wheel Adjustment with Neck Tilt
Cruise Control (Control in steering wheel)
Fully adjustable Driver Seat
External & Internal Sun-visor
Electrical control rear view mirror with passenger side camera
Red color 3-points safety belts passenger and driver seat
Laminated windshield
Electrical windows
Integrated Front Underrun Protection System (FUPS)
Central Door Locking
Fifth wheel working light



FUEL TANK

450 litres aluminium tank
Fitted with lockable fuel filler cap
Fuel Filling Anti-Theft and Anti-Spillage Device

LIGHTING

HL - Led Head lamp - new design
V shape (V-light) Day Running Light (LED)
Static Cornering Light
LED Tail Lamps
Two (2) fog lights incorporated in front cluster light
One (1) Fifth-wheel working light (Clear)
Four (4) Side Marker (LED Type)
Two (2) pilot/ roof lights (LED Type)
One (1) Rotating Beacon Light

ACCESSORIES

Reverse Buzzer
Air Horn
Air-Conditioning System
12V Electrical Transformer
High Power Audio System
External Sun Visor
Rubber Floor Mats
First Aid Kit
Fire Extinguisher
Breakdown Triangle
Side Underrun Protection
Fleet Management System Gateway
Telematics Gateway

ANXILLARY EQUIPMENT

Four (4) Rear 3 pieces Fenders
Four (4) Anti- Spray mud flap
Steel Air Tank
Access platform
Engine Compartment Shield
Blanking Rear window
Stripe and logos - corporate Logo
Fire Extinguisher Bracket
Two (2) units 9kg Fire Extinguisher
Two (2) pcs Foldable Wheel Chocks
Lubrication System
2K Paint
Propeller catch

FOR TRAILER CONNECTION

Cast 5th wheel (JOST 37C) Size: 50mm
ISO12098 Fifteen (15) pins Electrical Connection for trailer lighting and equipment
ISO11992 Seven (7) pins Electrical Connection for ABS / EBS

SAFETY PACKAGE - Option

Lane keeping support - Lane departure warning system
Lane changing support
Driver alert support
Forward collision warning (stationary and moving objects) with Emergency Brake Assistance



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