

رأس ترييلة فولفو ذو علبة  
سرعة ذكية نوع I-Shift

# Technical Specification

## **FM 400 HP 6\*4 Tractor High chassis height with T-ride**

### **Transport operation**

- Rough road conditions
- Distribution transport cycle
- Predominantly flat topography
- Ambient temperature above +40C
- Ambient temperature down to -15 degrees C
- Basic centre of gravity height, approx. 1.6 metres
- Medium dirty roads/surfaces
- Gross combination weight 100.0 tonnes
- Tanker (gas, liquid, slurry)
- Vehicle width 2600 mm

### **Core components**

- Africa Expansion Area
- Chassis height high - approx. 1000 mm above ground level
- Rear leaf suspension, 2 axles - 2 driven (T-ride 75 mm wide leafs)
- FM Sleeper cab
- Wheelbase 3200 mm
- Euro 3 engine emission level
- Emission level Euro 3
- Diesel engine, 12.8 litre Euro 3, 400 hp, 2000 Nm
- Volvo Engine Brake, VEB (compression brake with exhaust pressure governor, EPG)
- I-Shift automated mechanical 12-speed gearbox without clutch pedal, 2600 Nm, GCW 100000 kg
- Rear hub reduction tandem axles - bogie load 26 tonnes, GCW 100 tonnes
- Rear axle ratio 4.12

## Packages

Audio basic. RDS radio/CD, FM/AM ant & dash/door speakers. Prep for Dynafleet office portal support.

*Dashboard integrated monochrome information display, 75 x 735 pixels / 150(W) x 30(H) mm  
AM/FM Audio signal*

## **Chassis**

Single circuit battery system (living batteries)  
2 leaf front parabolic suspension (normal stiffness)  
Front axle load 7.5 tonnes  
Maintenance free front suspension  
Front stabilizer with medium high stiffness  
Rear axles load 26 tonnes  
Standard rear suspension application (without reinforcements)  
Single power steering system  
Power steering pump with fixed displacement  
Disc brakes with solid discs  
EBS (Electronic Brake System) medium package  
Front axle high ground clearance with low offset  
Rear parabolic leaf suspension with normal stiffness  
Lock free brakes  
Front axle regulating brake valve for EBS  
Frame rail section external height 300 mm  
Frame section thickness - web 8.0 mm / flange 8.0 mm  
Frame inner liner from transmission cross member to end of bogie  
Pneumatic distribution center location - outside frame, front  
Battery box on left hand side  
Batteries 2x170 Ah  
Standard batteries  
Battery voltage and ampere gauge  
ADR adaptation, transportation of dangerous goods, 2 switches (1 inside cab, 1 outside cab)  
Basic ADR classification  
ADR main switch - ADR switch circuit shut down  
Right 405 litre aluminium 710 mm high D-shaped diesel tank  
Fuel tank with basic ground clearance

Lockable diesel and AdBlue tank caps  
Painted fuel tank straps  
Basic fuel filling  
Horizontal muffler, left exhaust outlet  
Two fixed wheel chocks  
Side and rear marker lights  
Without snow chains  
One front towing device  
Rear frame end, bent standard for tractor vehicles  
Rear frame length 2175 mm from 1st drive axle  
One front towing device  
15pol electrical trailer connector ADR certified  
Trailer brake connection, European Community  
Trailer connection bracket (steel arch) mounted back of cab  
Reduced pressure hand controlled trailer brake 4 bar  
Mudflaps with anti-spray on all front axle fenders  
Fender & front underrun calc. exempted from EC front underrun and anti-spray requirem NG3  
off-road  
Rear 3 piece fenders with anti-spray function all rear axles  
Optimal fender installation rear and 2nd front axle  
Rear mudflaps with anti-spray on all rear axle fenders  
Steel air tanks  
Basic tail light  
Basic brake light

**Rims and Tyres**

Tyre region Middle East

Steel rims on all axles

Front axle tubeless tyre 315/80R22.5

Drive axle tubeless tyre 315/80R22.5

Spare wheel with tyre equal to front wheel

Temporary spare wheel carrier (plastic strips) Jack 20 tonnes

Extended tool kit

Tyre inflation hose (18 metres)

Tyre pressure gauge

## **Powertrain equipment**

I-shift lever gear selector

I-shift long haul gear changing software

I-shift basic gear shifting without kickdown

Basic I-shift application software

Basic I-shift PTO functions

Single plate clutch, plate diameter 430 mm

Basic transmission output torque

Extra high performance cooler for manual/I-shift gearboxes - air/oil

Dual cylinder air compressor 636 cc

High air intake

Air cleaner with additional filter element

Alternator 110 Ampere

Open crankcase ventilation

Basic gearbox application

Manual priming pump

Large engine mounted dual fuel filter with water separator and drain. For poor fuel outside WestEu

Steel oil sump

**Cab Interior, Driving**

- Left hand drive
- Standard steering wheel material
- Mechanically adjustable steering wheel
- Medium level instrument cluster - 4 inch colour display 240x320 pix
- One day analogue tachograph, basic
- Road speed limiter setting 90 km/h, EC
- Speedometer scale kilometres per hour
- Dashboard in light beige/skylark
- Basic cruise control with controls in steering wheel
- Electrical manually controlled air conditioning
- Electrical window lift
- Side interior sun visor on driver side
- Interior front sun visor without mirror
- One open storage (behind push open lid) in upper part of dash panel center section
- Back-up alarm
- Fire extinguisher 3 kg, Swedish/English decal
- Warning vest
- Two warning triangles
- First aid kit
- Arabic publication language



Arabic/English text on decals/signs  
Driver information first optional language - Arabic  
Default second optional language, English  
Driver's handbook only in local language  
Writing pad  
Vehicle assistance service disabled

**Cab Interior, Living**

Seat with grey text ins&vinyl bolster, red vinyl side ins&vinyl/text inter trim in skylark/grey/blac  
Driver seat, comf, susp  
Black safety belts, passenger and driver seats  
Passenger seat, basic, non suspended  
Two black rubber floor mats  
Lower fixed bunk, not foldable - 2000x700 mm. Safety net included.  
Mattress lower bunk - semi-firm, pocket springs  
Lower bunk safety net  
One extra layer of cab insulation

## **Cab exterior**

Basic painting in a lightning grey colour of mirror housings, insteps and bumper  
Tinted windows  
Manual door locking  
Steel front bumper  
Guard plate for cooling pipes and oil sump  
Front underrun protection  
Manual cab tilt pump  
Mechanical front cab suspension  
Mechanical rear cab suspension  
EI heated main rear view mirrors and wide angle mirrors (both sides). Close view mirror pass side.  
Front close view mirror above windscreen on passenger side (radius 200 mm)  
Exterior smoke coloured front sun visor  
Halogen H7 head lamps  
Headlamp alignment set for right hand traffic  
V-shaped ("V-light") day running light (LED)  
White front fog lamps  
Three middle front roof mounted white identification lamps  
Two front roof mounted amber rotating beacon warning lamps  
Two front cab roof pass throughs, one on each side

One front mounted (behind grille) single tone air horn, Jericho  
Front roof mounted accessory bracket

### **Superstructure**

Fifth wheel ISO mounting on high Z-profiles  
Fifth wheel leg-height 190 mm  
Jost JSK 38C cast iron heavy duty fixed fifth wheel  
King pin size 90 mm (3.5 inches)  
Fifth wheel (king pin) position 250 mm behind center of first drive axle  
Basic rear deck (one plate between frame rails and one over left fuel tank or left battery box)  
Trailer arch working lamp with white lens and LED/70W bulb  
Body builder electrical centre without body builder module  
Trailer detection without LED sensor

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