

F396 TECHNICAL DATA



UNDER REALISTIC CONDITIONS AT THE AIRPORT:

With an aircraft tow tractor including 4-wheel-drive and equal weight distribution on both axles, on wet concrete (friction coefficient $\mu=0,57$), 1% apron inclination, and aircraft engines running during pushback.

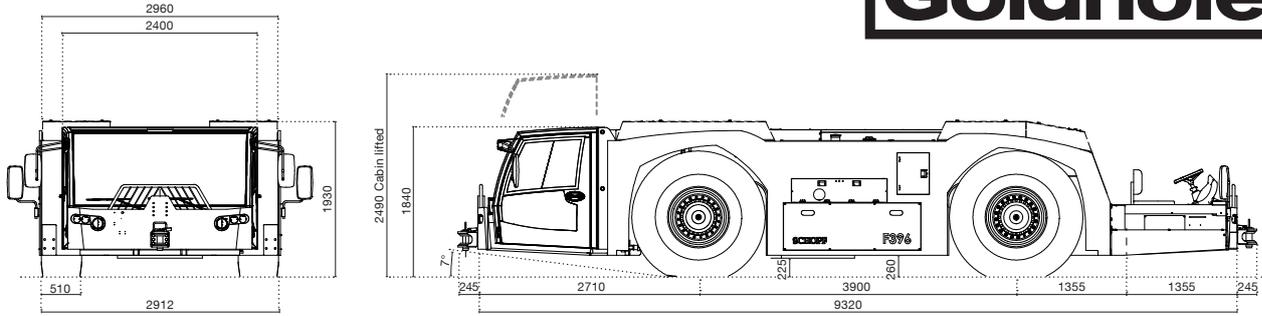
In case of different requirements please contact us for new calculations based on your specific operation conditions.

VEHICLE	F396E	F396C	F396P
OPERATION WEIGHTS	+ 46-60 t max.	+ 46-70 t max.	+ 50-70 t max.
MTOW MAX.	+ 400 t	+ 600 t	+ 600 t
DRAWBAR PULL INSTALLED	+ 370 kN	+ 420 kN	+ 460 kN



The actual range of applications of the F59 is checked by Goldhofer prior to order confirmation.

F396 | 08/2022-EN | METRIC



DIESEL DEUTZ TCD

F396E

EU Stage IIIA
US EPA Tier 3

2013 L06, integrated EMR
200 kW at 2,300 rpm,
990 Nm at 1,200 rpm

F396C

EU Stage IIIA, IIIB
US EPA Tier 3, 4F

2015 V06, integrated EMR
300 kW at 2,100 rpm,
2,000 Nm at 1,300 rpm

12.0 V06, integrated EMR
300 kW at 2,100 rpm,
2,000 Nm at 1,400 rpm

F396P

EU Stage IIIA
US EPA Tier 3

2015 V06, integrated EMR
330 kW at 2,100 rpm,
1,990 Nm at 1,300 rpm



TURNING RADIUS

+ 6,900 mm

TRANSMISSION

+ 6 gears forward/3 reverse
+ Jerk-free, automatic full-power shift with
integrated torque converter

+ ZF ergopower
F396E: WG210
F396C/P: WG310

AXLES

+ Driven steering axles with planetary
drives in the wheel hubs

+ Front and rear axles driven by full-power-
shift transmission through joint shafts

STEERING SYSTEM

+ Electro-hydraulic steering
+ Front wheel steering
+ Rear wheel steering

+ 4 wheel steering, coordinated
+ Crab steering

TIRES

+ Front + rear 16.00/18.00x25

BRAKES

+ Fully hydraulic 3-circuit safety disk-brake
system with accumulator back-up
+ 2-circuit service brake

+ 1-circuit failsafe parking/emergency brake
+ Electrically driven emergency pump

HYDRAULIC SYSTEM

+ Brakes and steering system

+ Cabin-lift and jacks

ELECTRIC SYSTEM

+ Alternator 28 V/80 A
+ System 24 V
+ Engine starter
F396E: 4.0 kW
F396C/P: 6.5 kW

+ Battery capacity
F396E: 2x12 V/143 Ah
F396C/P: 2x12 V/200 Ah

CABIN

+ Full-width elevating, all-steel front cabin
+ 2 headlights, low and high beam
+ Lockable doors with sliding windows

+ Two adjustable suspension seats with
safety belts



OPTION EXAMPLES

+ Hydropneumatic suspension
+ Rear driver's stand
+ Rear driver's cabin
+ GPU platform
+ Various tow hitches
+ Winterization-kits

+ Heating system
+ Airconditioning
+ Cabin-roof light barrier or antenna sensor
+ 4 integrated hydraulic jacks
+ Rear-view video camera

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