

# F59

## 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.

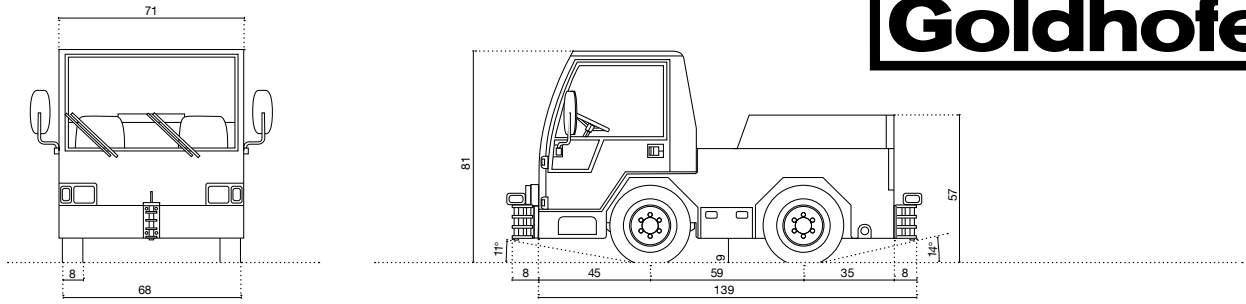
In case of different requirements please contact us for new calculations based on your specific operation conditions.

<b>OPERATION WEIGHTS</b>	+ 11,000 lbs   13,670 lbs   15,400 lbs max.
<b>MTOW MAX.</b>	+ 154,000 lbs
<b>DRAWBAR PULL INSTALLED</b>	+ 10,116 lbf   10,790 lbf



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F59

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## ENGINES

**PERKINS 1104D-44T**  
EU Stage IIIA  
US EPA Tier 3

**DEUTZ TD 2011 L04**  
EU Stage IIIA  
US EPA Tier 3

**DEUTZ TCD 2.9 L04**  
EU Stage V  
US EPA Tier 4

- |  |  |  |
|--|--|--|
| <ul style="list-style-type: none"> <li>+ Water-cooled</li> <li>+ Turbo-charged, 4-cylinders</li> <li>+ 78.2 hp at 2,200 rpm</li> <li>+ 223 lbf at 1,400 rpm</li> </ul> | <ul style="list-style-type: none"> <li>+ Air/oil-cooled</li> <li>+ Turbo-charged, 4-cylinders</li> <li>+ 74.4 hp at 2,600 rpm</li> <li>+ 170 lbf at 1,700 rpm</li> </ul> | <ul style="list-style-type: none"> <li>+ Water-cooled</li> <li>+ Turbo-charged, 4-cylinders</li> <li>+ 74.4 kW at 2,600 rpm</li> <li>+ 277 lbf at 1,400 rpm</li> </ul> |
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## TURNING RADIUS

- + 172"

## TRANSMISSION

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>+ 2 forward/2 reverse gears</li> <li>+ Inter-axle differential</li> <li>+ Graziano PST 2, full-power-shift transmission</li> </ul> | <ul style="list-style-type: none"> <li>+ Integrated torque converter, electro-hydraulic gear shifting</li> </ul> |
|---|--|

## AXLES

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>+ Front steering axle spring-suspended</li> <li>+ Rear axle rigidly mounted</li> </ul> | <ul style="list-style-type: none"> <li>+ 4-wheel drive</li> </ul> |
|---|---|

## STEERING SYSTEM

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>+ Hydraulic Orbitrol steering</li> <li>+ Front wheel steering</li> </ul> | <ul style="list-style-type: none"> <li>+ Left hand drive</li> </ul> |
|---|---|

## TIRES

- + Front + rear 8.5 R17.5

## BRAKES

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>+ Fully hydraulic, maintenance free, enclosed oil-immersed lamella disk brakes on front and rear axle</li> <li>+ 2-circuit service brake</li> </ul> | <ul style="list-style-type: none"> <li>+ 1-circuit failsafe parking/emergency brake on rear axle</li> <li>+ Emergency hand pump</li> </ul> |
|--|--|

## HYDRAULIC SYSTEM

- + Brakes and steering system

## ELECTRIC SYSTEM

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>+ System 24 V</li> <li>+ Alternator 28 V/55 A</li> </ul> | <ul style="list-style-type: none"> <li>+ Battery capacity 2x12 V/88 Ah</li> <li>+ Engine starter 3.5 kW</li> </ul> |
|---|--|

## CABIN

- + Full-width, all-steel elevating front cabin
- + Two adjustable suspension seats with safety belts
- + Adjustable steering column
- + 2 headlights, low and high beam



## OPTIONS EXAMPLES

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>+ Elevating cabin</li> <li>+ Cabin-roof light barrier or antenna sensor</li> <li>+ Various tow hitches</li> <li>+ Engine monitoring system</li> </ul> | <ul style="list-style-type: none"> <li>+ Winterization kits</li> <li>+ Cold-start kits</li> <li>+ Heating systems</li> <li>+ Right hand drive</li> </ul> |
|--|--|

### GOLDHOFER AIRPORT TECHNOLOGY

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