



**TREPTEL**  
AIRPORT EQUIPMENT GMBH

### **FUTURE ORIENTATED AND ENVIRONMENTAL SOLUTIONS ON APRON**

The TREPTEL Tow Tractor TAE20hybrid is a modern, robust and ergonomically designed Diesel/Electric Tow Tractor for operations in enclosed cargo centres and airport aprons. The combination of an electric tractor with a diesel engine gives you flexibility needed to operate over long distances on the apron and pollution free in enclosed areas. With a drawbar pull of 2.000 kg and a top drive speed of 25 km/h the tow tractor meets the general requirements of today's modern airports.

## Performance

Dimensions l x w x h	3.147 x 1.290 x 1.870 mm
Drawbar Pull	1.650 to 2.000 kg (depends on ballasted weight)
Driving speed	25 km/h
Wheel track front	1.018 mm
Wheel track rear	1.026 mm
Wheel base	1.574 mm
Ground clearance	180 mm
Turning radius	2.380 mm
Dead weight	3.500 kg (depends on ballasted weight)

## Design

Engine	AC Asynchronous motor, 30 KW
Battery	80 V 440 – 620 Ah
Control	Mosfet AC Converter
Diesel Engine	4 cylinder, 26 KW, watercooled
Generator	20 kVA cont. output
Axles	Pendulum steering front axle, rear axle with integrated drive motor, suspension with coil springs and shock absorber on all four wheels
Steering	Hydraulic powered steering, steering pump with AC asynchronous motor, adjustable steering column
Braking system	Electrical regenerative brake on drive axle, hydraulically dual circuit braking system on all 4 wheels, mechanical parking brake on rear axle
Electric system	80 V DC for drive system, 24V DC for vehicle electric system

## Options

To fit the TAE 20 hybrid to your exact requirements, all kind of options are available such as driver's cabin with hinged door or sliding door, hydraulically suspended driver's seat, solid tyres, higher battery capacity etc. Please consult the technical specification for further information.

# TAE 20

T O W T R A C T O R

## TREPEL Airport Equipment GmbH

Hagenauer Strasse 42  
D-65203 Wiesbaden / Germany  
<http://www.trepel.com>

phone: +49(0)611-880 88-0  
fax: +49(0)611-880 88-11  
e-mail: [airport@trepel.com](mailto:airport@trepel.com)

