

**Super elastic drive wheel (SE) and increased ground clearance for comfortable travel**

**High energy efficiency with maintenance free AC drive motor**

**Precise control with JetPilot electric steering**

**Safe operation in corners with Curve Control**

**Impulse electronic "SpeedControl" giving smooth acceleration**



## EZS C40

### Tow tractor (4000 kg)

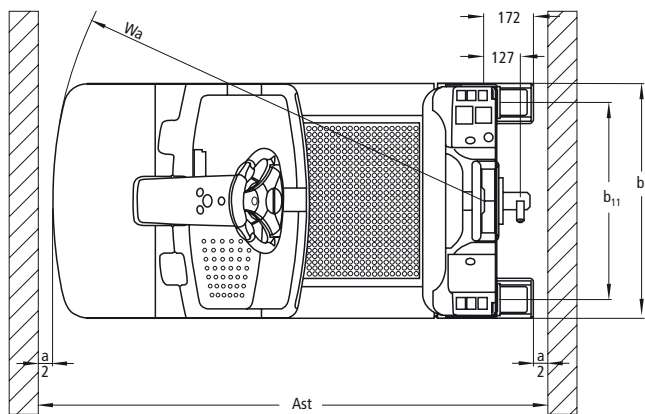
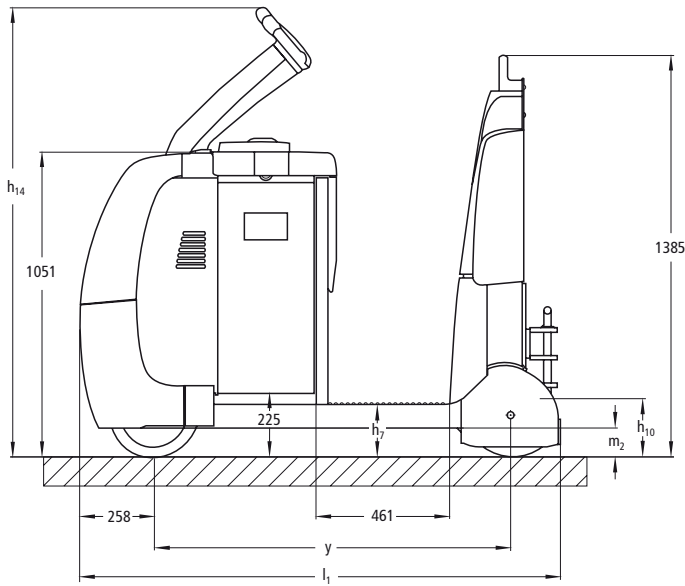
The Jungheinrich EZS C40 is a versatile and efficient tow tractor used for towing trailers of up to 4000 kg. The ability to couple several trailers together provides a flexible materials handling operation. With its super elastic drive wheel (SE) the EZS C40 also offers optimum traction on smooth floors as well as slightly uneven ground, such as operating outdoors. At the same time the tyre absorbs minor impacts, e.g. from bumpy ground and dock levelers. With its increased ground clearance the truck is ideally suited for travelling on uneven surfaces, especially outdoors. The coupling is clearly visible from

any position and is also easily accessible, this saves time and money. The truck can be equipped with a wide range of couplings, making it adaptable to practically any type of trailer.

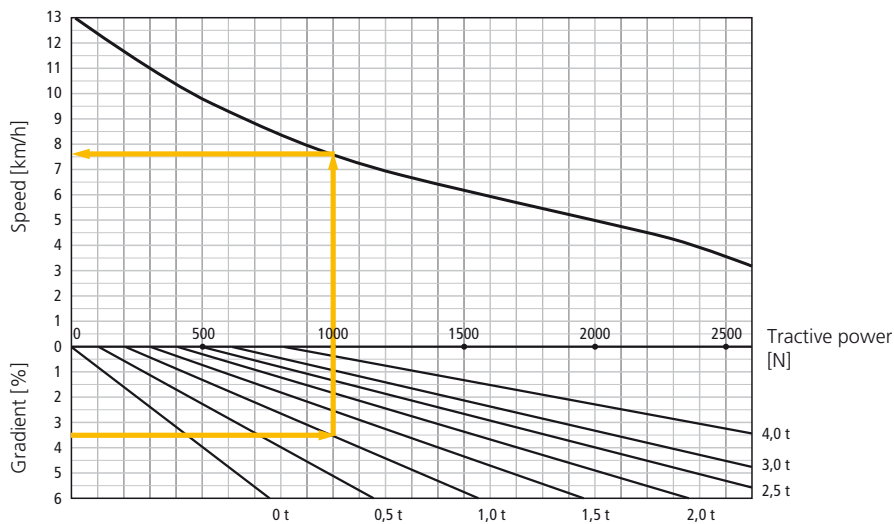
The 24 volt AC drive motor gives high performance. The advantages: powerful acceleration and high maximum speed. At the same time it offers clear energy savings, extended uptime and minimal maintenance costs. This is due to the optimal set up between the drive motor and electronic controller as well as regenerative braking.

High productivity features include the low operator platform and the short distance from the operator to the load. The EZS works well in tight areas. Its turning radius is so small that the driver feels that he is turning on the spot. The JetPilot steering wheel, supportive backrest and Curve Control automatic speed reduction all provide comfortable operation when cornering.

# EZS C40



Performance diagram EZS C40



**Example:**

The EZS C40 operating on a 3.5 % incline with a 1 tonne load. To achieve this the EZS requires a 1000 N drawbar pull, reaching approx. 7.5 km/h.

**Notes:**

1. Continuous operation not available for EZS C40 above 800 N.
2. Braked trailers are recommended for inclines/descents > 4 %.

# Technical data in line with VDI 2198 as at: 05/2011

Identification	1.1	Manufacturer (abbreviation)	Jungheinrich	1.1	
	1.2	Manufacturer's type designation	<b>EZS C40</b>	1.2	
	1.3	Drive	electric	1.3	
	1.4	Operator type	stand	1.4	
	1.5	Load capacity/rated load	Q (t)	4	1.5
	1.7	Rated drawbar pull	F (N)	800	1.7
Weights	1.9	Wheelbase	y (mm)	1229	1.9
	2.1	Service weight incl. battery (see line 6.5)	kg	1185	2.1
Wheels, Chassis	2.3	Axle loading, unladen front/rear	kg	660/525	2.3
	3.1	Tyres	SE	3.1	
	3.2	Tyre size, front	mm	Ø310x105	3.2
	3.3	Tyre size, rear	mm	Ø301x85	3.3
	3.5	Wheels, number front rear (x = driven wheels)		1x/2	3.5
Basic Dimensions	3.7	Track width, rear	b <sub>11</sub> (mm)	680	3.7
	4.8	Seat height/stand height	h <sub>7</sub> (mm)	-/182	4.8
	4.9	Height of tiller in drive position min./max.	h <sub>14</sub> (mm)	1450 <sup>1)</sup>	4.9
	4.12	Coupling height	h <sub>10</sub> (mm)	158 <sup>4)</sup>	4.12
	4.19	Overall length	l <sub>1</sub> (mm)	1659 <sup>5)</sup>	4.19
	4.21	Overall width	b <sub>1</sub> /b <sub>2</sub> (mm)	810/-	4.21
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	100	4.32
Performance Data	4.35	Turning radius	Wa (mm)	1470	4.35
	5.1	Travel speed, laden/unladen	km/h	8,0/12,5 <sup>2)</sup>	5.1
	5.5	Drawbar pull, laden/unladen	N	800 <sup>3)</sup>	5.5
	5.6	Max. drawbar pull, laden/unladen	N	2600 <sup>3)</sup>	5.6
	5.7	Gradeability, laden/unladen	%	- <sup>2)</sup>	5.7
	5.8	Max. gradeability, laden/unladen	%	- <sup>2)</sup>	5.8
E-Motor	5.10	Service brake		electromagnetic	5.10
	6.1	Drive motor rating S <sub>2</sub> 60 min.	kW	2,8	6.1
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		no	6.3
	6.4	Battery voltage, nominal capacity K <sub>5</sub>	V/Ah	24/620	6.4
	6.5	Battery weight	kg	470	6.5
Others	8.1	Type of drive control		AC SpeedControl	8.1
	8.4	Sound level at the driver's ear according to EN 12 053	dB(A)	66	8.4

- 1) JetPilot height  
2) see diagram  
3) nominal drawbar pull  
4) other coupling heights available  
5) total length without coupling, as different coupling systems are available

# Make use of the advantages

## Innovative AC technology

Jungheinrich AC motors offer higher performance and low running costs. Apply these benefits:

- High efficiency levels with excellent energy management.
- Powerful acceleration.
- Rapid travel direction change without pause.
- No carbon brushes – maintenance-free drive motor.
- Two year warranty on the drive motor.

## Travel comfortably and safely

SpeedControl electronic control system and Curve Control automatic cornering speed reduction ensure comfortable and safe operation which can be adapted to any application:

- The speed supplied to the drive switch is maintained in all travel conditions both up and down gradients.
- A choice of three travel programmes for individual tailoring to each application.
- Regenerative braking for energy recovery on travel speed reduction.
- Safe cornering, the truck remains under the driver's control at all times.



Easy entry and exit



JetPilot electric steering wheel

## Optimum ergonomics

- Low operator platform for frequent and effortless entry and exit.
- Short distances for the operator from the cab to reach the coupling and load.
- The coupling is clearly visible from any position and is also easily accessible.
- Rapid and easy hitching/unhitching of the trailers through semi-automatic remote coupling unlocking (optional) from the operator position.
- JetPilot electric steering for easy turning.
- Range of coupling systems for various trailer types.
- All wheels are Super elastic (including drive wheel) to ensure maximum comfort.

## Sturdy design for the toughest conditions

- Chassis made of high-grade, 8 mm steel.
- Skirt raised extra high on the chassis front.
- Super elastic tyres – including on the drive wheel – to protect driver and tow tractor.
- Large ground clearance.

## Long uptimes

Energy saving AC technology and high battery capacities ensure long uptimes:

- Standard version: 3 PzS 465 Ah.
- Optionally available battery capacity 620 Ah.

## Fully informed at all times

Extensive display and setting instruments provide a complete overview at all times:

- CanDis (optional) provides information on battery charge status, service hours and error codes.
- PIN activation of truck and choice of three travel programmes via keypad (optional).
- Adjustable travel parameters through CanDis and CanCode (optional).

## Optional equipment

Extensive range of accessories for individual tailoring to your application:

- Non-marking Super elastic tyres.
- Touch mode on both sides of backrest for easy coupling and decoupling.
- Semi-automatic coupling remote control.
- Additional steel and/or rubber skirt.
- Mounting for radio data terminals.
- Folding driver's seat for relaxed travel.

Other options available on request.



Different couplings available (optional)

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