

Robust tow tractor with spring-loaded wheels for indoor and outdoor use

Comfortable operation

Automatic parking brake

Electronic "SpeedControl" provides smooth acceleration

High energy efficiency with maintenance-free AC technology

Weather protection cabins (optional)



EZS 570NA

Tow Tractor (15,400 lbs.)

The Jungheinrich® EZS 570NA is a versatile, economic tow tractor for towing loads up to 15,400 lbs. The ability to connect several trailers together helps to provide flexibility and increased efficiency in most material handling operations.

The coupler is visible from the operator seat position and is easily accessible. The semi-automatic remote release (optional) allows the connecting and disconnecting of trailers without the operator having to leave the vehicle, helping to save both time and money. The EZS 570NA is available with many

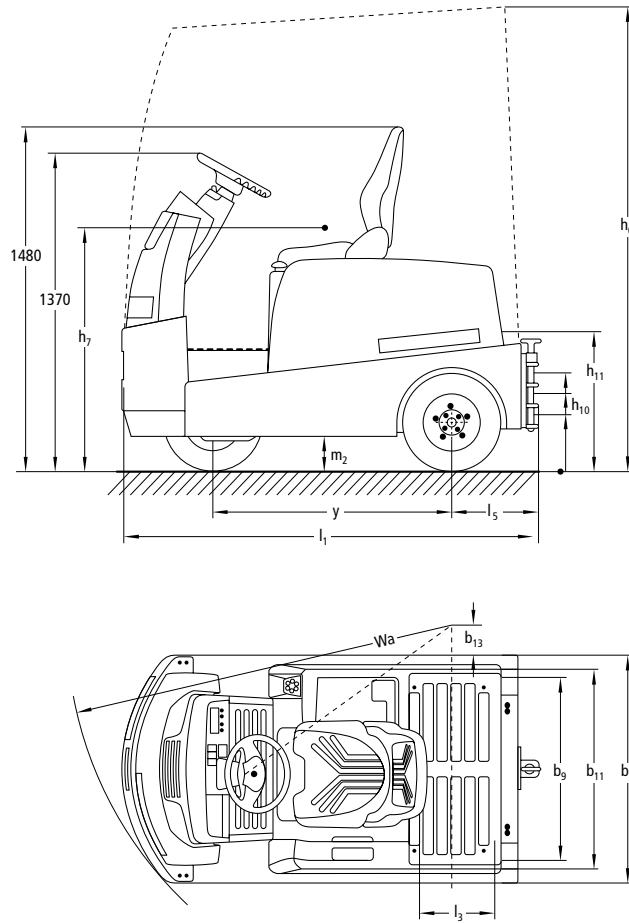
different hitches to allow it to fit virtually every trailer type.

The 48 Volt drive motor using AC technology can provide additional performance. The advantages are powerful acceleration and high top speed with significant energy savings, extended operating times and reduced maintenance through omission of carbon brushes. This is due to the effective set up between both drive motor and the electronic controller, as well as the regenerative braking.

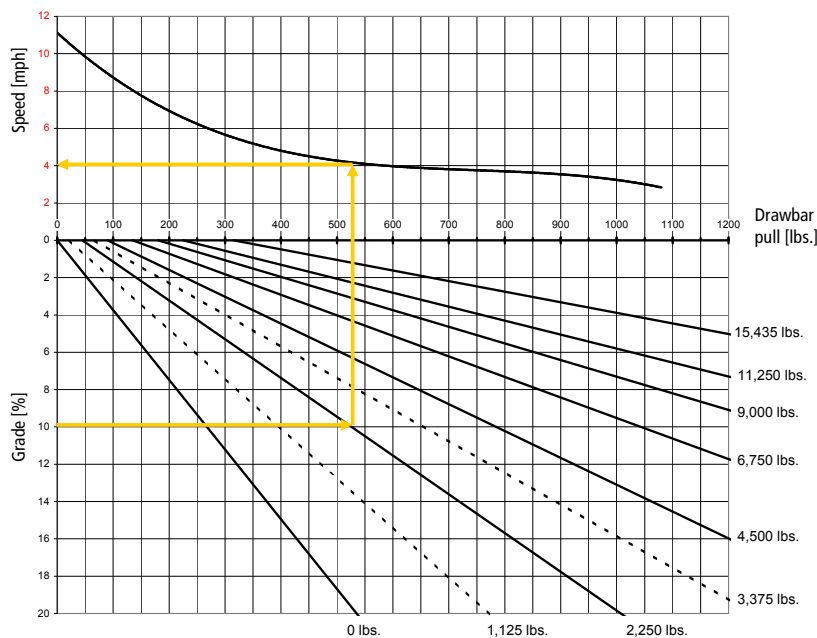
One of the main ergonomic advantages is the position of the operator's seat, which provides ample leg room and for close proximity of the operator position to the load. The foot step, located in the chassis, reduces effort during entry and exit of the vehicle. The EZS 570NA operates effortlessly in tight spaces due to its short turning radius. Spring-loaded wheels offer both travel comfort and stability. The automatically activating parking brake reduces rollback on slopes.



EZS 570NA



Performance Diagram EZS 570NA



Example:

When the EZS 570NA pulls a 3,340 lb. load up a 3% grade, it requires 240 lbs. of drawbar pull and achieves a maximum speed of 4.5 mph.

Notes:

- 1) Continuous operation over 240 lbs. (force) is not permitted.
- 2) The use of braked trailers is strongly recommended for operation on upward / downward grades over 4%.

Technical Data

as of: 1/2011

Characteristics	1.1	Manufacturer			Jungheinrich		1.1		
	1.2	Manufacturer's type designation			EZS 570NA		1.2		
	1.3	Drive			electric		1.3		
	1.4	Operator type			seated		1.4		
	1.5	Load capacity / rated load	Q	lb kg	15,400	7,000	1.5		
Weights	1.9	Wheelbase	y	in mm	41.0	1,035	1.9		
	2.1	Service weight including minimum battery weight			lb kg	2,635	1,195	2.1	
	2.3	Axle loading, unloaded front / rear with minimum weight battery			lb kg	1,230 / 1,405	560 / 635	2.3	
Wheels, Chassis	3.1	Tires			solid pneumatic		3.1		
	3.2	Tire size, front			15.8x4-8		3.2		
	3.3	Tire size, rear			15.8x4-8		3.3		
	3.5	Wheels, number front / rear (driven)			1 / 2		3.5		
	3.7	Tread, rear	b ₁₁	in mm	34.0	860	3.7		
Basic Dimensions	4.7	Height of overhead guard (cabin)			h ₆	in mm	83.5	2,120	4.7
	4.8	Seat height			h ₇	in mm	40.5	1,030	4.8
	4.19	Overall length			l ₁	in mm	71.5	1,820	4.19
	4.21	Overall width			b ₁	in mm	39.5	996	4.21
	4.32	Ground clearance, center of wheelbase			m ₂	in mm	5.4	138	4.32
	4.35	Turning radius			Wa	in mm	65.0	1,650	4.35
	4.36	Internal turning radius			b ₁₃	in mm	4.1	105	4.36
Performance	5.1	Travel speed, loaded / unloaded			mph km/h	5.3 / 11.2	8.5 / 18	5.1	
	5.5	Drawbar pull			lb force N	315	1,400	5.5	
	5.7	Gradeability			%	- ¹⁾	- ¹⁾	5.7	
	5.10	Service brake			hydraulic / mechanical		5.10		
Electrical	6.1	Drive motor rating S ₂ 60 min.			HP kW	5.7	4.3	6.1	
	6.4	Battery voltage, nominal capacity K _s			V/Ah	48 / 345		6.4	
	6.5	Battery weight (minimum / maximum)			lb kg	1,210 / 1,320	550 / 600	6.5	
Other	8.1	Type of drive control			impulse / AC		8.1		
	8.4	Sound level at the driver's ear according to EN 12 03			dB (A)	57		8.4	

1) see diagram

The Jungheinrich Advantage

Efficient AC technology

Jungheinrich motors with AC technology provide increased efficiency with reduced operating costs while also offering:

- Higher efficiency with excellent energy consumption.
- Powerful acceleration.
- High top speed, even when loaded.
- Stepless travel direction changes.
- No carbon brushes – the drive motor is maintenance free.

Comfortable and productive operation

The electronic SpeedControl management system and automatic electric braking system work together to facilitate comfortable and secure operation of the vehicle. Adjustment opportunities are available to suit many applications:

- The travel speed set by the position of the accelerator is automatically maintained regardless of gradient.
- Three programmable performance modes to suit various applications.
- Regenerative braking returns energy to the battery during deceleration.
- Secure starting and stopping, even on slopes, with the electric parking brake, which automatically engages when stationary and automatically releases when starting.
- Crawl speed button for traveling at reduced speed (speed adjustable).

Optimum ergonomics

- Low step for effortless entry and exit from the vehicle.
- Close proximity of operator position to trailer and load.
- Highly visible and accessible coupling.
- Multiple storage areas for the operator.



Ergonomic low step for effortless entry and exit to and from the vehicle

Rugged construction for demanding applications

- Chassis made of high-quality 0.31 inch thick plate steel.
- Extra high bumper on the front end.
- Robust, high intensity, LED (light emitting diode) rear lights and indicators.

Long operating times

Energy efficient AC technology and high battery capacity, together with regenerative braking, provide longer operating times.

Well informed at any time

Easy-to-read display and instruments always allow a complete overview for the operator:

- Battery discharge indicator, operation hours, travel speed and fault diagnostics.
- Adjustable travel parameters.

Available options

The EZS 570NA may be customized to fit your individual application:

- Fast, easy connecting/disconnecting of trailers with semi-automatic remote unlocking from the operator position (optional).
- Inching controls for simple coupling connect and disconnect (optional).
- Non-marking, solid pneumatic tires (optional).
- PIN (personal identification number) activation of the vehicle (optional).
- Supplementary chassis protection made from steel.
- Holder for RF data communications components.
- Different couplers.
- The built-in battery allows for convenient charging with no need to open panels.
- Cab with a variety of accessories for traveling outside warehouses.



Clear layout of controls provides easy operation of the tow tractor

Built in compliance with ITSDF B56.9 design specifications* for Type E industrial trucks with Type EO battery.

* In accordance to specification in place at time of manufacture.



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