

# Jungheinrich Electric Stand-on Pallet Truck Capacity 4500 lb

## ESE 20



- **Narrow design especially for loading and off-loading of trailers**
- **Ergonomic workplace**
- **Electrical steering**
- **Impulse control with Speed Control and LISA**

The Jungheinrich electric stand-on pallet truck, type ESE 20 was conceived for the economical loading and off-loading of trailers and freight trains. The truck width of 30", permits fast and effortless loading and off-loading even for pallets placed sideways on the truck. Easy mounting and dismounting, high performance drive motor and excellent all round visibility in both directions of travel, ensure especially high performance.

**Operator workplace:** The low entrance height of 10" and a generous driver compartment make mounting and dismounting easy. The backrest has an integrated foldaway half-seat. Upholstered knee area with cushioned driver standing area. Numerous depositing facilities with integrated writing surface fitted as standard. Safety switch in foot space. All control elements can be reached easily without hand changes.

**Steering standard** with fully electrical steering. Fast and easy steering. Only 5 steering wheel turns for a 180° steering lock. For improved straight-ahead travel without oversteering, the Jungheinrich steering software in the medium setting range of the wheel acts like a gear reduction. On request with steering position display.

**Drive:** The powerful 2000 WATT (1-hour rating) SEM motor has a high overload capacity and operates with a very favorable degree of efficiency. Two years warranty on the motor.

**Optional 2500 WATT motor:** For longer distances at high travel speeds (5.9 mph with load, 7.8 mph without load) the ESE is optionally equipped with a 2500 WATT motor.

**Chassis:** Robustly built from elements of 0.4" thickness. The high anti-collision bumper on the battery compartment additionally protects the chassis. A lateral support wheel with spring cushioning unit (Pro-TRAC-System) ensures good floor contact of all wheels even on uneven floor conditions and when negotiating ramps.

**Battery:** As standard, different 24-Volt standard batteries in two frame designs are available. Short: 3 PzS 330 Ah. Long: 4 PzS 440 Ah. The battery is fitted on rollers for easy battery changing.

**Drive Control:** Impulse control with Speed Control permits a true regulating of the speed via the drive switch. Even when driving down a gradient, stipulated travel speed is maintained. The setting of the

drive parameter for acceleration, end speed and motor brake is possible via the impulse control.

**Wheels:** All wheels with Vulkollan tires as standard. Drive wheel 9.0" dia., 3.0" wide. Supporting wheel 5.5" dia., 2.1" wide. Load wheels 3.3" dia., 3.3", in tandem design. On request with twin tandem wheels.

**Brake:** Sensitive protective braking via reverse current through easy operation of the drive switch. Motor braking with energy reclamation through Speed Control in zero position of the drive switch. Automatic rollback protection: Speed Control detects a rolling back on uphill gradients and automatically activates the brake. In addition loadproportionally (only as much braking power as required) acting stepless electromagnetic disc brake.

**Hydraulics:** High-pressure pump with powerful series wound motor 2000 WATT.

**Load Section:** Pull rod kinematics with especially sturdy forks (1.2 x 2.0"). Sliding skids on both sides protect the pull rods from wear.

**Safety:** The trucks conform to the valid EU Guideline CE and ANSI B56.1 for industrial trucks.



ISO-9001, ISO-14001-  
Certification of the Quality and  
Environment Management

# JUNGHEINRICH

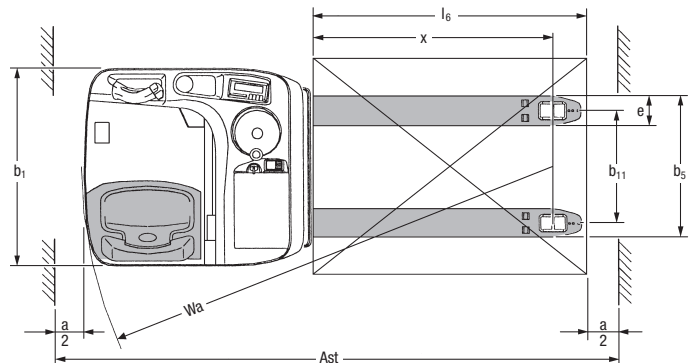
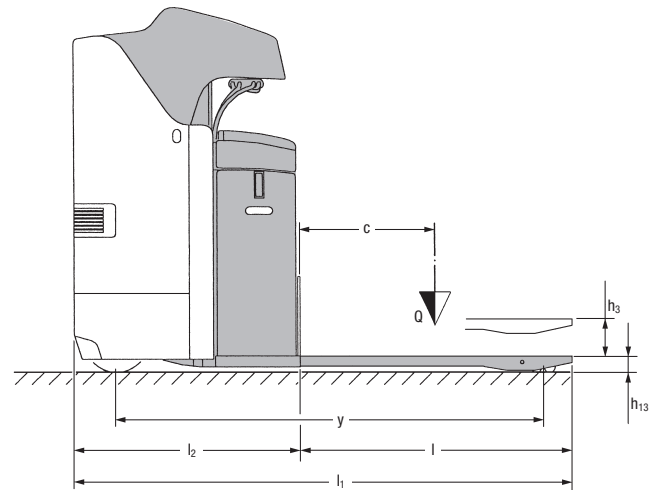
## Performance Data

Capacity		4500 lb	2000 kg	
Travel speed	without load	6.5 mph	10.5 km/h	
	with load	5.3 mph	8.5 km/h	
	with 2500 WATT motor	without load	7.8 mph	12.5 km/h
	with load	5.9 mph	9.5 km/h	
Lifting speed	without load	9.8 ft/mi	5.0 cm/s	
	with load	7.9 ft/mi	4.0 cm/s	
Gradient performance	without load		6 %	
	with load		3 %	
	with 2500 WATT motor	without load	10 %	
	with load		4 %	
Truck weight incl. 330 Ah battery		1890 lb	857 kg	

## Technical Data

Q — Capacity		4500 lb	2000 kg
c — Load centre		24"	600 mm
y — Wheelbase, short battery comp.*		62"	1570 mm
	Wheelbase, long battery comp.*	65"	1642 mm
	— Distance of tandem load wheels	3.7"	95 mm
l <sub>2</sub> — Head length, short		34.4"	874 mm
	Head length, long	37.2"	946 mm
l <sub>1</sub> — Truck length, short		79.7"	2024 mm
	Truck length, long	82.5"	2096 mm
l — Standard fork length		45.3"	1150 mm
b <sub>1</sub> — Overall width		30"	760 mm
b <sub>5</sub> — Standard width across fork		26"	660 mm
e — Fork width		6.7"	170 mm
b <sub>11</sub> — Standard track width load section		19.3"	490 mm
h <sub>13</sub> — Lowered height		3.4"	86 mm
h <sub>3</sub> — Lift		4.9"	125 mm
Wa — Turning radius, short*		68.9"	1749 mm
	Turning radius, long*	71.7"	1821 mm
a — Safety clearance		8"	200 mm
x — Back of forks to centre load wheel*		34.4"	875 mm
l <sub>6</sub> — Load length			

\* with raised fork (add. 3.5" = 90 mm for lowered fork)



## Working aisle width

Pallet size	position	Ast incl. 8" safety clearance	
		short	long
40" x 48"	lengthways	90"	93"

Subject to technical modifications without notice.