

**Powerful 3-phase AC technology built into the drive, lift and steering motors**

**State-of-the-art, multi-functional control handle allows operator to work three functions simultaneously**

**Rugged mast with excellent visibility and hydraulic cushioning for efficient load handling**

**Spacious operator compartment offers a combination of comfort, flexibility and function**



## **ETR 130 – 140 / ETR 125d**

### **24 Volt Electric Pantograph Single and Double Reach Trucks (2500-4000 lbs.)**

The ETR series 24-Volt reach truck boasts strong performance at an economical price, while keeping operators comfortable and productive.

**The key advantages:**

- Higher performance due to 3-phase AC technology. AC motors require no carbon brushes, which eliminates the cost of replacements, reduces the need for servicing and allows for longer operating times.
- Greater productivity is also achieved through a space-saving design. This means the trucks can work in smaller aisles, leaving more space available for products.
- Operators are more relaxed and productive largely due to the ergonomic compartment that minimizes operator fatigue. From the low step height, to the steering wheel

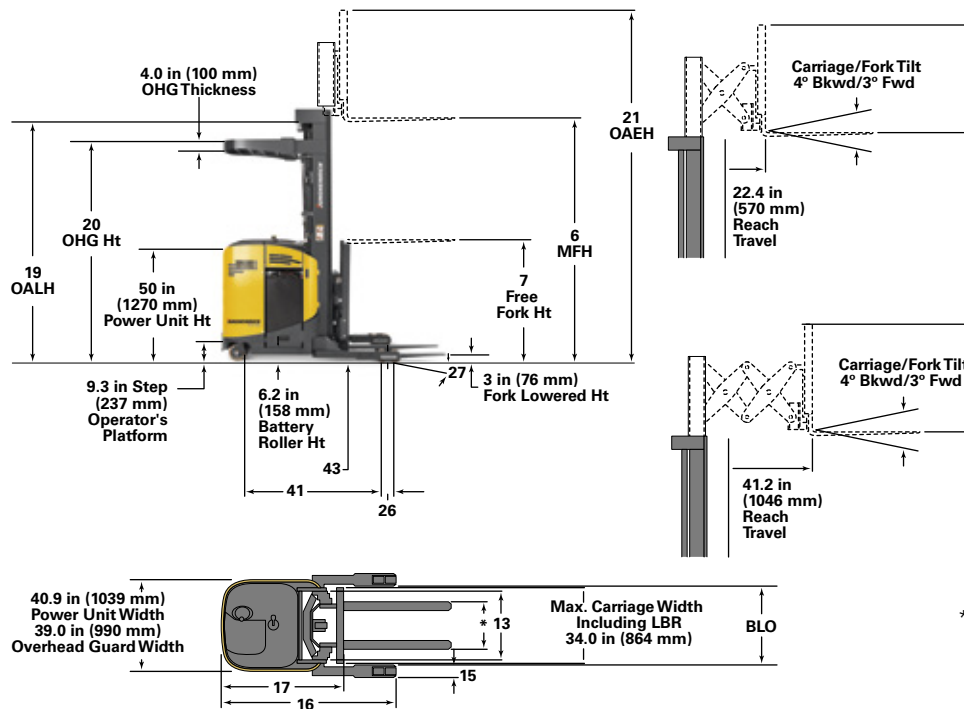
which does not encroach into the operator space and to the intuitive, multifunction control handle, the operator benefits from the excellent design. Productivity can be just as high in the last hour of the shift as in the first.

- Performance profiling allows you to customize individual drive and hydraulic settings based on the application or operator experience level using a laptop or optional handset.
- The ETR features a high-visibility, heavy-duty mast with durable rollers and mast rails designed to meet your most demanding applications. Combined with hydraulic cushioning in the pantograph and mast staging functions, operators can precisely and securely position loads at all lift heights.

The ETR series 24-Volt reach truck delivers greater productivity in any application where space is at a premium. Its space-saving design means the truck can stack and retrieve goods efficiently in narrow aisles and at high lift heights.

 **JUNGHEINRICH**

# ETR 130 – 140 / ETR 125d



\* Fork spacing: See 10 and 11 for minimum and maximum widths.

**Mast Table - 24 Volt Reach Trucks**

Designation	Maximum Fork Height 2)		Overall Lowered Height 1)		Overall Extended Height 2) 4)		Free Lift 3) 5)		Overhead Guard Height 1)	
	in	mm	in	mm	in	mm	in	mm	in	mm
Three Stage Mast (ETR130/ ETR135/ ETR140)	170	4310	89	2265	218	5550	54	1370	88.75	2265
	198	5000	89	2265	246	6250	54	1370	88.75	2265
	210	5300	95	2415	258	6600	60	1520	94.75	2390
	240	6050	107	2720	288	7350	72	1825	94.75	2390
	258	6550	113	2880	306	7800	78	1980	94.75	2390
	270	6850	119	3030	318	8100	84	2130	94.75	2390

**Mast Table - 24 Volt Double Reach Trucks**

Designation	Maximum Fork Height 2)		Overall Lowered Height 1)		Overall Extended Height 2) 4)		Free Lift 3) 5)		Overhead Guard Height 1)	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
Three Stage Mast (ETR125d)	198	5000	89	2265	246	6250	54	1370	88.75	2265
	210	5300	95	2415	258	6600	60	1520	94.75	2390
	240	6050	107	2720	288	7350	72	1825	94.75	2390
	258	6550	113	2880	306	7800	78	1980	94.75	2390
	270	6850	119	3030	318	8100	84	2130	94.75	2390

Footnotes:

1) Tolerance = ± 0.5 in. (± 13 mm).

2) Tolerance = +2.5 in./- 0.5 in. (+67 mm /- 13 mm).

3) Tolerance = ± 1 in. (± 25 mm).

4) Calculated with standard 48 in. (1219 mm) high load backrest. May be increased if lower backrest (optional) is ordered.

# Technical Data

as of: 01/2010

Characteristics			ETR130		ETR135		ETR140		ETR125d				
			Single		Single		Single		Deep				
			24		24		24		24				
1	Model												
2	Type												
3	Power voltage												
4	Capacity at rated load center	lb	kg	3,000	1,400	3,500	1,600	4,000	1,800	2,500	1,200		
5	Capacity load center - distance from fork face	in	mm	24	600	24	600	24	600	24	600		
Dimensions	6	Maximum fork height with triplex mast	in	mm	270	6,850	270	6,850	270	6,850	270	6,850	
	7	Free fork height with maximum height triplex mast	in	mm	84.0	2,135	84.0	2,135	84.0	2,135	84.0	2,135	
	8	Fork width	in	mm	4.0	101	4.0	101	4.0	101	4.0	101	
	9	Fork thickness	in	mm	1.4	35.0	1.5	35.0	1.6	40.0	1.4	35.0	
	10	Fork spacing - out-to-out minimum	in	mm	10.0	254	10.0	254	10.0	254	10.0	254	
	11	Fork spacing - out-to-out maximum <sup>1</sup>	in	mm	31.5	800	31.5	800	31.5	800	31.5	800	
	12	Tilt angle - forward / backward	deg		3° / 4°		3° / 4°		3° / 4°		3° / 4°		
	13	Mast width <sup>2</sup>	in	mm	31.0	776	31.0	776	31.0	776	32.0	807	
	14	Baseleg opening	in	mm	33-49	839-1,245	33-49	839-1,245	33-49	839-1,245	33-49	839-1,245	
	15	Baseleg width	in	mm	4.75	120	5.5	140	5.5	140	5.0	127	
	16	Overall length	in	mm	75.9	1,930	75.9	1,930	75.9	1,930	84.8	2,155	
	17	Length to fork face	in	mm	53.8	1,370	53.8	1,370	54.1	1,375	62.1	1,580	
	18	Overall chassis width	in	mm	40.9	1,039	40.9	1,039	40.9	1,039	40.9	1,039	
	19	Overall lowered height with maximum triplex mast	in	mm	119	3,030	119	3,030	119	3,030	119	3,030	
	20	Overall lowered height to top of overhead guard	in	mm	94.7	2,405	94.7	2,405	94.7	2,405	94.7	2,405	
	21	Overall height with extended maximum triplex mast	in	mm	318	8,100	318	8,100	318	8,100	318	8,100	
	22	Step height	in	mm	9.3	237	9.3	237	9.3	237	9.3	237	
	23	Battery roller height	in	mm	6.2	158	6.2	158	6.2	158	6.2	158	
	24	Minimum outside turning radius	in	mm	70.8	1,800	70.8	1,800	70.8	1,800	70.8	1,960	
	25	Minimum aisle - 90 deg. stack - zero clearance	in	mm	<b>PLEASE CONSULT YOUR JUNGHEINRICH DEALER</b>								
	26	Load wheel centerline	in	mm	5.3	133	5.3	133	5.3	133	5.3	133	
	27	Grade clearance	in	mm	13.7		13.7		13.7		13.7		
	Performance	28	Travel speed tractor first	mph	km/h	6.2	9.9	6.2	9.9	6.2	9.9	6.2	9.9
		29	Travel speed forks first	mph	km/h	6.0	9.6	6.0	9.6	5.8	9.3	6.0	9.6
		30	Lift speed loaded (triplex)	fpm	m/s	42.0	0.21	40.0	0.20	38.0	0.19	38.0	0.19
		31	Lift speed empty (triplex)	fpm	m/s	64.0	0.32	64.0	0.32	64.0	0.32	64.0	0.32
		32	Lower speed loaded (triplex)	fpm	m/s	110	0.55	110	0.55	110	0.55	110	0.55
33		Lower speed empty (triplex)	fpm	m/s	90.0	0.45	90.0	0.45	90.0	0.45	90.0	0.45	
34		Maximum fork height with rated load	in	mm	240	6,050	240	6,050	240	6,050	240	6,050	
35		Gradeability - loaded - maximum			5.0		5.0		5.0		5.0		
36		Gradeability - empty - maximum			8.0		8.0		8.0		8.0		
Weight	37	Truck weight - empty - with min weight battery	lb	kg	7,525	3,420	7,550	3,445	7,550	3,445	8,300	3,760	
	38	Battery weight - min	lb	kg	1,700	775	1,700	775	1,700	775	1,700	775	
	39	Battery weight - max	lb	kg	2,000	910	2,000	910	2,000	910	2,000	910	
Chassis	40	Chassis type (stand/sit)			Stand		Stand		Stand		Stand		
	41	Wheelbase	in	mm	61.5	1,560	61.5	1,560	61.5	1,560	68.0	1,720	
	42	Ground clearance - center of wheelbase	in	mm	2.0	51.0	2.0	51.0	2.0	51.0	2.0	51.0	
	43	Ground clearance - lowest point at mast	in	mm	2.0	51.0	2.0	51.0	2.0	51.0	2.0	51.0	
	44	Tire size - steer	in	mm	13.5x5.5	343x140	13.5x5.5	343x140	13.5x5.5	343x140	13.5x5.5	343x140	
	45	Tire size - caster	in	mm	7.0x4.0	180x100	7.0x4.0	180x100	7.0x4.0	180x100	7.0x4.0	180x100	
	46	Tire size - load wheels	in	mm	5.0x2.88	127x73.0	5.0x3.62	127x92.0	5.0x3.62	127x92.0	5.0x2.88	127x73.0	
47	Brake type			Electric Disc		Electric Disc		Electric Disc		Electric Disc			
Electrical	48	Traction motor type			AC Induction		AC Induction		AC Induction		AC Induction		
	49	Traction motor output kW (60 min. rating)			4.7	3.5	4.7	3.5	4.7	3.5	4.7	3.5	
	50	Pump motor type			AC Induction		AC Induction		AC Induction		AC Induction		
	51	Pump motor output kW (5 minute rating)			6.7	5.0	6.7	5.0	6.7	5.0	6.7	5.0	
	52	Steer motor type			AC Induction		AC Induction		AC Induction		AC Induction		
	53	Steer motor output kW (60 min. rating)			0.8	0.6	0.8	0.6	0.8	0.6	0.8	0.6	
	54	Battery maximum capacity - A/H (6 hr. rating)			1,395		1,395		1,395		1,395		
	55	Battery compartment length			14.25	361	14.25	361	14.25	361	14.25	361	
	56	Battery compartment width			38.58	980	38.58	980	38.58	980	38.58	980	
	57	Battery compartment height			31.65	804	31.65	804	31.65	804	31.65	804	

# The Jungheinrich Advantage

## High visibility, heavy-duty mast

Jungheinrich masts provide maximum space utilization and visibility to high lift heights.

- The sturdy mast and narrow, angled overhead guard promote good visibility to the load even in high stacking applications.
- Hydraulic mast and pantograph cushioning in reach/retract and mast staging functions so loads are handled smoothly.
- Shim-adjustable canted mast rollers.
- Heavy, interlocking mast rails.
- Optional integral sidsifter helps improve capacity retention and maneuverability.
- Fork heights up to 270 inches.



'Superclear' view mast

## Customized programming

Performance profiling allows you to customize individual drive and hydraulic settings based on the application or operator experience level using a laptop or optional handset.



Ergonomic operator compartment

## Multifunction control handle

The intuitive, multifunction control handle is centrally positioned for easy access to truck functions.

- Maximum efficiency through simultaneous operation of travel, lift and one auxiliary function.
- Rounded palm rest helps reduce operator fatigue over long shifts.



Multi-function control handle

## Spacious and ergonomic operator compartment

The spacious operator compartment combines comfort and functionality to improve operator efficiency.

- Location of operator controls allows for a flexible side stance position within the compartment
- Low-effort electric power steering for precise control with minimal effort.
- Display with battery state-of-charge gauge.
- Intuitive multifunction control handle offers simultaneous control of drive, lift, lower and auxiliary hydraulic functions.
- Anti-fatigue floor mat and generous padding for knees, hips, back and armrest.
- Storage space for operator's equipment.

## Powerful 3-phase AC technology

3-phase AC technology for drive, lift and steering offers several advantages over traditional direct current motors.

- Rapid acceleration and precise speed control.
- Smooth directional changes
- Greater operational availability due to maintenance-free motors without carbon brushes.
- Longer operating times due to energy reclamation during braking.

