

A great alternative to sit-down lift trucks for applications demanding tight aisle racking, extensive product shuttling or frequent maneuvering in and out of trailers

Tight turns utilizing full traction control and dual drive motors for improved maneuverability

State-of-the-art, multifunction control handle allows operator to work three functions simultaneously

Powerful 3-phase AC technology built into the lift truck's drive control, hydraulic and steering system



ETG 230 – 355

Stand-Up End Control Lift Truck (3,000 - 5,500 lbs.)

The ETG 230 – 355 series of stand-up counterbalanced lift trucks from Jungheinrich® is an ideal material handling solution across a wide range of heavy-duty industrial applications. From shuttling goods to loading trailers, this lift truck has the flexibility to move large loads in confined spaces.

The key advantages:

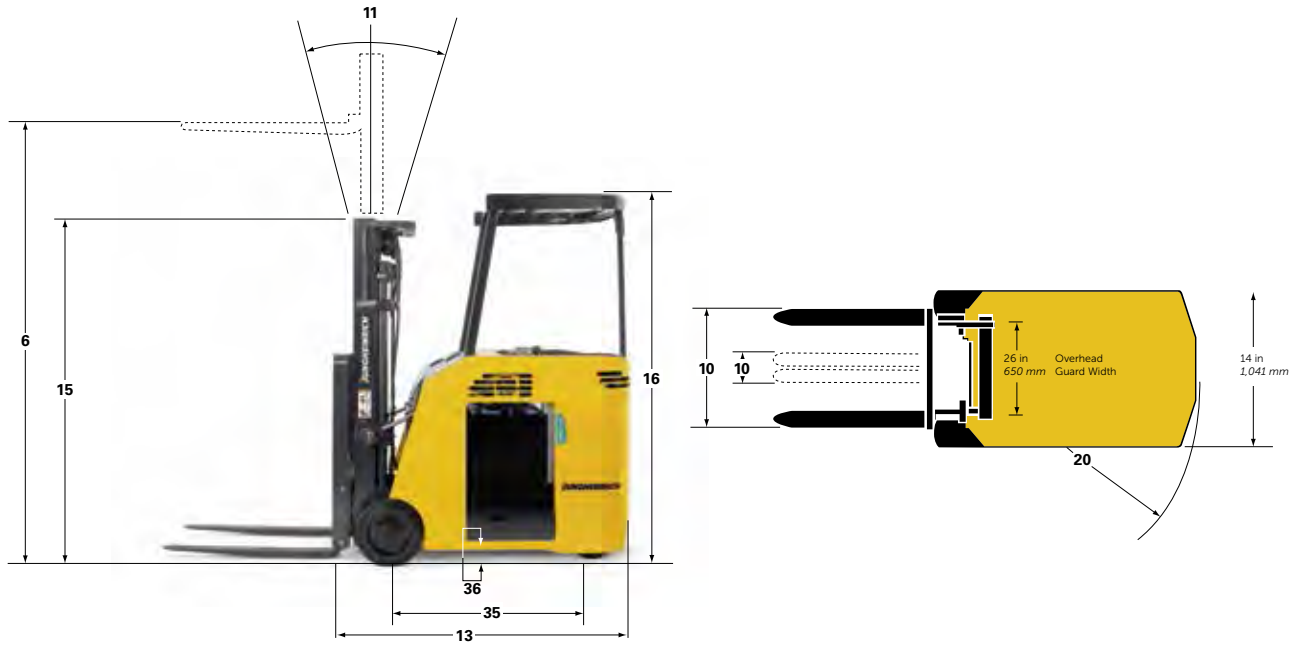
- Higher performance due to 3-phase AC technology. AC motors require no carbon brushes, which eliminates the cost of replacements, reduces the need for servicing and allows for longer operating times.
- Greater productivity is also achieved through a space-saving design. This means the forklift can work in smaller aisles than a traditional sit-down counterbalanced truck, leaving more space available for product.

- Operators are more relaxed and productive largely due to the ergonomic compartment that minimizes operator fatigue. The operator benefits from such features as the low step height, the steering wheel which does not encroach into the operator space, and the intuitive, multifunction control handle.
- The operator display shows all the information needed to perform the task at hand. Operators also have the flexibility to select a number of pre-programmed drive and hydraulic settings to customize the forklift for their particular application or operator skill level. All information is immediately displayed, contributing to the operator's overall awareness – increasing confidence and leading to a more productive work environment.

- The ETG features enhanced-visibility, heavy-duty mast with durable rollers and mast rails designed to meet the most demanding applications. Combined with hydraulic cushioning in the mast staging functions, operators can precisely and securely position loads at all lift heights.

The ETG 230 – 355 stand-up end control lift 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. Operators can also customize the drive and hydraulic settings to suit their specific application and their level of experience.

ETG 230 – 355



Mast Table ETG 230 / ETG 235													
	Maximum Fork Height (MFH)		Overall Lowered (OAL)		Overall Extended Height				Free Lift				Tilt Angle (F° / B°) degree
	in	mm	in	mm	w/ Load Backrest		w/o Load Backrest		w/ Load Backrest		w/o Load Backrest		
					in	mm	in	mm	in	mm	in	mm	
Duplex	111	2,835	73.2	1,860	159.8	4,059	133.9	3,400	25.0	636	51.0	1,295	3 / 5
	119	3,035	77.2	1,960	167.7	4,259	141.7	3,600	29.0	736	54.9	1,395	3 / 5
	131	3,330	82.9	2,105	180.0	4,560	153.3	3,895	34.6	881	60.6	1,540	3 / 5
	139	3,550	87.6	2,225	188.0	4,774	162.0	4,115	39.4	1,001	65.4	1,660	3 / 5
	147	3,735	93.1	2,365	195.2	4,959	169.3	4,300	44.9	1,141	70.9	1,800	3 / 5
Triplex	171	4,345	77.2	1,960	219.3	5,569	193.3	4,910	29.0	736	54.9	1,395	3 / 5
	188	4,785	82.9	2,105	236.6	6,009	210.6	5,350	34.7	881	60.6	1,540	3 / 5
	201	5,125	87.6	2,225	250.0	6,349	224.0	5,690	39.4	1,001	65.4	1,660	3 / 5
	217	5,525	93.1	2,365	265.7	6,749	239.8	6,090	44.9	1,141	70.9	1,800	3 / 5
	237	6,025	100.4	2,550	285.4	7,249	259.4	6,590	52.2	1,326	78.1	1,985	3 / 5
Quad	222	5,695	78.5	1,994	268.6	6,822	246.1	6,251	32.4	823	54.8	1,392	3 / 3
	240	6,105	83.0	2,108	286.6	7,280	264.1	6,708	36.9	937	59.3	1,506	3 / 3
	258	6,560	89.0	2,261	304.6	7,737	282.1	7,165	42.9	1,090	65.3	1,659	3 / 3
Mast Table ETG 340													
Duplex	111	840	73.2	1,860	159.8	4,059	133.9	3,400	25.2	641	51.2	1,300	3 / 5
	119	3,040	77.2	1,960	167.7	4,259	141.7	3,600	29.2	741	55.1	1,400	3 / 5
	131	3,335	82.8	2,105	180.0	4,560	153.3	3,895	34.8	885	60.8	1,545	3 / 5
	139	3,555	87.6	2,225	188.0	4,774	162.0	4,115	39.6	1,006	65.6	1,665	3 / 5
	147	3,740	93.1	2,365	195.2	4,959	169.3	4,300	45.1	1,146	71.1	1,805	3 / 5
Triplex	171	4,350	77.2	1,960	219.3	5,569	193.3	4,910	29.2	741	55.1	1,400	3 / 5
	188	4,790	82.9	2,105	236.6	6,009	210.6	5,350	34.9	886	60.8	1,545	3 / 5
	201	5,130	87.6	2,225	250.0	6,349	224.0	5,690	39.6	1,006	65.6	1,665	3 / 5
	217	5,530	93.1	2,365	265.7	6,749	239.8	6,090	45.1	1,146	71.1	1,805	3 / 5
	237	6,030	100.4	2,550	285.4	7,249	259.4	6,590	52.4	1,331	78.3	1,990	3 / 5
Quad	222	5,700	78.5	1,994	268.6	6,822	246.1	6,251	32.5	826	55	1,397	3 / 3
	240	6,110	83.0	2,108	286.6	7,280	264.1	6,708	37	940	59.5	1,511	3 / 3
	258	6,565	89.0	2,261	304.6	7,737	282.1	7,165	43	1,092	65.5	1,664	3 / 3
	276	7,025	95.0	2,413	322.6	8,194	300.1	7,623	49	1,245	71.5	1,816	3 / 3
Mast Table ETG 350 / ETG 355													
Triplex	170	4,320	77	1,956	217.1	5,514	194.6	4,943	30	762	52.5	1,334	3 / 5
	188	4,775	83	2,108	235.1	5,972	212.6	5,400	36	914	58.5	1,486	3 / 5
	201	5,105	88	2,235	248.1	6,302	225.6	5,730	41	1,041	63.5	1,613	3 / 5
	217	5,485	95	2,413	263.1	6,683	240.6	6,111	48	1,219	70.5	1,791	3 / 5
	235	5,970	104	2,642	282.1	7,165	259.6	6,594	57	1,448	79.5	2,019	3 / 5
Quad	224	5,700	79	2,007	270.6	6,873	248.4	6,309	33	838	55.5	1,410	3 / 3
	240	6,110	83	2,108	286.6	7,280	264.1	6,708	37	940	59.5	1,511	3 / 3
	258	6,565	89	2,261	304.6	7,737	282.1	7,165	43	1,092	65.8	1,671	3 / 3
	276	7,025	95	2,413	322.6	8,194	300.1	7,623	49	1,245	71.5	1,816	3 / 3

Technical data

as of: 06/2013

Characteristics	0	Model		ETG 230		ETG 235		ETG 340		ETG 350		ETG 355		
		1	2	3	4	5	6	7	8	9	10	11	12	
1	Capacity at rated load center	lb	kg	3,000	1,360	3,500	1,588	4,000	1,810	5,000	2,260	5,500	2,500	
2	Capacity load center - distance from fork face	in	mm	24	600	24	600	24	600	24	600	24	600	
3	Power voltage			36		36		36		36		36		
4	Tire type drive / steer			solid rubber / poly		solid rubber / poly		solid rubber / poly		poly / poly		poly / poly		
5	Wheels (x=driven)			2 x / 2		2 x / 2		2 x / 2		2 x / 2		2 x / 2		
Dimensions	6	Lift with standard duplex mast – max. fork height	in	mm	131	3,330	131	3,330	131	3,335	170	4,320	170	4,320
	7	Lift with standard duplex mast – free fork height	in	mm	34.6	880	34.6	880	34.8	885	30.0	762	30.0	762
	8	Fork width	in	mm	3.9	100	3.9	100	3.9	100	3.9	100	3.9	100
	9	Fork thickness	in	mm	1.4	35	1.4	35	1.6	40	1.6	40	1.6	40
	10	Fork spacing – out-to-out minimum	in	mm	9.5	240	9.5	240	9.5	240	9.5	240	9.5	240
		Fork spacing – out-to-out maximum	in	mm	36.5	920	36.5	920	36.5	920	36.5	920	36.5	920
	11	Tilt angle - forward / backward	deg		3° / 5°		3° / 5°		3° / 5°		3° / 5°		3° / 5°	
	12	Mast width	in	mm	22.8	580	22.8	580	22.8	580	22.8	580	22.8	580
	13	Length to fork face	in	mm	67.5	1,715	67.5	1,715	73.0	1,855	76.2	1,936	77.4	1,966
	14	Overall chassis width	in	mm	41.0	1,040	41.0	1,040	41.0	1,040	41.0	1,040	41.0	1,040
	15	Overall lowered height (mast)	in	mm	82.9	2,105	82.9	2,105	82.9	2,105	77	1,956	77	1,956
	16	Overall lowered height to top of overhead guard	in	mm	88	2,240	88.0	2,240	88.0	2,240	88.0	2,240	88.0	2,240
	17	Overall height with extended mast	in	mm	180	4,560	180	4,560	180	4,560	217.1	5,514	217.1	5,514
	18	Step height	in	mm	8.0	204	8.0	204	8.0	204	8.0	204	8.0	204
	19	Battery roller height	in	mm	7.3	185	7.3	185	7.3	185	7.3	185	7.3	185
	20	Minimum outside turning radius	in	mm	55.5	1,410	55.5	1,410	60.4	1,535	64.0	1,625	65.0	1,650
21	Minimum aisle - 90 deg. stack - zero clearance [1]	in	mm	67.5	1,715	67.5	1,715	73.0	1,855	76.4	1,940	77.6	1,970	
Performance	22	Travel speed	mph	km/h	7.7 / 7.7	12.4 / 12.4	7.7 / 7.7	12.4 / 12.4	7.7 / 7.7	12.4 / 12.4	7.3 / 7.3	11.8 / 11.8	7.3 / 7.3	11.8 / 11.8
	24	Lift speed loaded (triplex)	fpm	m/s	80	0.40	75	0.38	70	0.35	58	0.29	55	0.27
	25	Lift speed empty (triplex)	fpm	m/s	110	0.55	110	0.55	110	0.55	110	0.55	110	0.55
	26	Lower speed loaded (triplex)	fpm	m/s	89	0.45	89	0.45	89	0.45	91	0.46	91	0.46
	27	Lower speed empty (triplex)	fpm	m/s	85	0.42	85	0.42	85	0.42	80	0.41	80	0.41
	29	Gradeability - loaded (maximum)	%		15		15		15		15		15	
	30	Gradeability - empty (maximum)	%		15		15		15		15		15	
Chassis	31	Truck weight - empty with minimum weight battery	lb	kg	7,700	3,500	8,400	3,800	9,250	4,200	10,740	4,870	11,350	5,150
	32	Battery weight (minimum)	lb	kg	2,000	910	2,000	910	2,600	1,180	2,900	1,320	2,900	1,320
	33	Battery weight (maximum)	lb	kg	2,300	1,050	2,300	1,050	2,900	1,320	3,250	1,480	3,250	1,480
	34	Chassis type (stand / sit)			stand		stand		stand		stand		stand	
	35	Wheelbase	in	mm	46	1,169	46	1,169	51.0	1,295	54.5	1,385	55.5	1,410
	36	Ground clearance - center of wheelbase	in	mm	4.0	103	4.0	103	4.0	103	4.0	103	4.0	103
	37	Ground clearance - lowest point at mast	in	mm	2.9	75	2.9	75	2.9	75	2.0	51	2.0	51
	38	Tire size - drive	in	mm	16.25 x 7	413 / 178	16.25 x 7	413 / 178	16.25 x 7	413 / 178	16.25 x 7	413 / 178	16.25 x 7	413 / 178
	39	Tire size - steer	in	mm	10.5 x 4	267 / 102	10.5 x 4	267 / 102	10.5 x 4	267 / 102	10.5 x 5	267 / 127	10.5 x 5	267 / 127
	40	Brake type			electric disc		electric disc		electric disc		electric disc		electric disc	
Electrical	41	Traction motor type			AC induction		AC induction		AC induction		AC induction		AC induction	
	42	Traction motor output kW (60 minutes rating)	HP	kW	5.9	4.4	5.9	4.4	5.9	4.4	5.9	4.4	5.9	4.4
	43	Pump motor type			AC induction		AC induction		AC induction		AC induction		AC induction	
	44	Pump motor output kW (20% rating)	HP	kW	14.7	11.0	14.7	11.0	14.7	11.0	17.6	13.2	17.6	13.2
	45	Steer motor type			AC induction		AC induction		AC induction		AC induction		AC induction	
	46	Steer motor output kW (60 minutes rating)	HP	kW	0.53	0.4	0.53	0.4	0.53	0.4	0.53	0.4	0.53	0.4
	47	Battery maximum capacity - A/H (6 hour rating)			1,240		1,240		1,240		1,385		1,385	
	48	Battery compartment length (front - back)	in	mm	16.3	413	16.3	413	21.3	540	23.7	603	23.7	603
	49	Battery compartment width (side - side)	in	mm	38.9	990	38.9	990	38.9	990	38.9	990	38.9	990
	50	Battery compartment height	in	mm	31.7	805	31.7	805	31.7	805	31.7	805	31.7	805

This specification sheet only provides technical values for the standard truck. Non-standard tires, different masts, additional equipment, etc., could produce other values. Rights reserved for technical changes and improvements.

The Jungheinrich Advantage



Optimized visibility

Optimal visibility / dependable hydraulics

The Jungheinrich mast offers optimal visibility between and around the front overhead guard legs for enhanced visibility during travel and pick-up and for increased efficiency in trailers and during drive-in racking applications. Key features include:

- AC-powered transistor hydraulic control.
- Industry-leading lift speeds with smooth and precise load control.
- Pump motor, drive motor and control panel feature individual thermal protection systems to guard against overheating.
- Fork heights up to 276 inches.



Productivity through ergonomics

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 multiple hour meters, travel speed, travel direction, load weight display, fault code read-out and battery state-of-charge gauge with lift monitoring.
- 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.
- Dual pedal design requires the operator to have their right foot on the presence pedal for all drive and hydraulic functions to operate. Additionally, the operator must have their left foot on the traction pedal to induce travel.
- Storage space for operator's equipment.

Multifunction control handle

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

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



Operator control

Operator display

The easy-to-read control panel displays the information the operator needs to perform daily tasks, including:

- Travel speed.
- Travel direction.
- Battery state-of-charge.
- Load weight display.
- Text messaging of truck status and limiting conditions.
- Informational and warning icons.
- Language options.

Customized programming

Performance profiling allows you to customize drive and hydraulic settings based on the specific application, individual operator experience level and personal preferences. All performance requests, information queries and display-based programming can be performed with easily accessible buttons.

Powerful 3-phase AC technology

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

- 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.

Efficient steering and maneuverability

Capable of handling maximum load capacities while remaining exceptionally maneuverable, the stand-up end control is designed for extensive shuttling, frequent entering and exiting of trailers and tight turns in narrow spaces. The large, dual drive tires are independently controlled for improved lift truck maneuvering.

Parts when you need them

Jungheinrich's Parts Fast or Parts Free Guarantee ensures next-business-day delivery by 5:00 PM of all Jungheinrich parts in the United States, or they're free, including freight. For customers in Canada and Mexico, the guarantee ensures shipping of parts within 24 hours from the time the order was placed by the dealer. See your local Jungheinrich dealer for program details.

- * Programs may be subject to change without notice and may vary by region. Please ask your local Jungheinrich dealer for complete terms and conditions.