

Integrated lithium-ion battery

Adjustable operator position

Excellent visibility

Optimized throughput

High residual capacity



ETV 216i

Sit-Down Moving Mast Reach Truck (3,500 lb.)

The ETV 216i reach truck is the ideal partner for the effective and safe stacking, retrieval and provision of pallets for order picking. Its rapid and boost charge features facilitate flexible usage even in multi-shift operations with lift heights of up to 421 inches (10.7 meters).

Compact Design

The integrated design of a compact lithium-ion battery provides additional compartment space to accommodate operator comfort features such as an adjustable armrest and large foot well space.

Optimized Visibility

An additional benefit to the innovative design of the ETV 216i's operator compartment, is a full range of visibility. Operators will have a clear view of forks and base legs from the position to help facilitate faster and more accurate storing and retrieving of pallets.

Maximizing Productivity

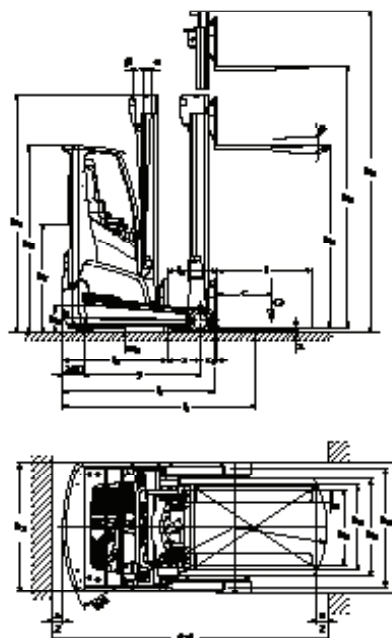
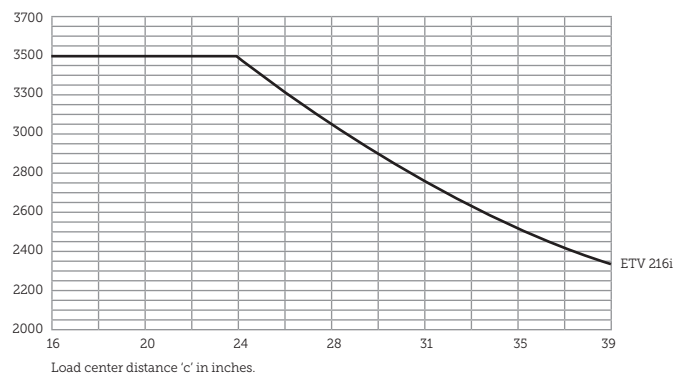
The high dielectric strength of the integrated battery allows for improved performance of the hydraulic pump, even when the integrated battery level is low. Quicker lifting and reaching results in greater productivity, as more pallets can be processed per hour than a conventional lift truck.

Jungheinrich's integrated lithium-ion battery provides many advantages over traditional lead- acid including; faster charging, zero maintenance, opportunity charging, and a 5-year warranty.



ETV 216i

Capacity (lbs.)



Note: Equipping this model (these models) with a power source (e.g. Lithium-ion, Hydrogen Fuel cell, etc.) that has not been previously approved by the factory is considered a modification. Per OSHA 1910.178 and ANSI/ITSDF B56.1, please consult with your factory representative prior to installing any non-OEM power source that has not been previously approved.

Mast types ETV 216i

	Lift height		Lowered mast height		Free lift		Extended mast height		Mast tilt forward / back	Fork tilt forward / back
	h_3		h_1		h_2^*		h_4^*		α / β	α / β
	in	mm	in	mm	in	mm	in	mm	(°)	(°)
Three-stage mast DZ (Full free-lift)	179	4,550	81	2,050	41	1,050	219	5,550	1/3	-
	196	5,000	87	2,200	47	1,200	237	6,000	1/3	2/5
	208	5,300	91	2,300	51	1,300	249	6,300	1/3	2/5
	220	5,600	95	2,400	55	1,400	260	6,600	1/3	2/5
	232	5,900	99	2,500	59	1,500	272	6,900	1/3	2/5
	244	6,200	103	2,600	62	1,600	284	7,200	1/3	2/5
	255	6,500	107	2,700	66	1,700	296	7,500	0.5/2	2/5
	267	6,800	111	2,800	70	1,800	308	7,800	0.5/2	2/5
	279	7,100	115	2,900	74	1,900	319	8,100	0.5/2	2/5
	291	7,400	119	3,000	78	2,000	331	8,400	0.5/1	2/5
	303	7,700	123	3,100	82	2,100	343	8,700	0.5/1	2/5
	314	8,000	126	3,200	86	2,200	355	9,000	0.5/1	2/5
	326	8,300	130	3,300	90	2,300	367	9,300	0.5/1	2/5
	331	8,420	132	3,340	92	2,340	371	9,420	0.5/1	2/5
	343	8,720	136	3,440	96	2,440	383	9,720	0.5/1	2/5
	355	9,020	140	3,540	100	2,540	395	10,020	0.5/1	2/5
	370	9,410	145	3,670	105	2,670	410	10,410	-	2/5
390	9,920	152	3,840	111	2,840	430	10,920	-	2/5	
403	10,250	156	3,950	116	2,950	443	11,250	-	2/5	
414	10,520	160	4,040	119	3,040	454	11,520	-	2/5	
421	10,700	162	4,100	122	3,100	461	11,700	-	2/5	

* Includes standard load backrest with height 39.5 inches.

Technical data

as of: 04/2019

Characteristics	1.1	Brand				Jungheinrich		
	1.2	Model				ETV 216i		
	1.2a	Additional model designation (G = fork, E = integrated sideshifter)				GE		
	1.3	Power type				electric		
	1.4	Operator position				Transverse seat		
	1.5	Load capacity at rated load center	Q	lb	kg	3,500	1,600	
	1.6	Rated load center	c	in	mm	24	600	
	1.8	Load distance, center of drive axle to fork face	x	in	mm	15.8	401	
	1.8.1	Additional load distance, mast extended forward	x ₁	in	mm	8.5	215	
1.9	Wheelbase	y	in	mm	55.5	1,410		
Weights	2.1.1	Service weight including battery		lb	kg	7,579	3,438	
	2.3	Axle loading, no load, front / rear		lb	kg	5,053 / 2,526	2,292 / 1,146	
	2.4	Axle loading, fork extended, loaded front / rear		lb	kg	1,989 / 9,109	902 / 4,132	
	2.5	Axle loading, fork retracted, loaded front / rear		lb	kg	4,462 / 6,645	2,024 / 3,014	
Wheels, Chassis	3.1	Tire type / material				Vulkollan®		
	3.2	Tire size, drive		in	mm	13.5 x 4.5	343 x 114	
	3.3	Tire size, load		in	mm	11.2 x 3.9	285 x 100	
	3.5	Wheels, number, drive / load (x=driven)		in	mm	1x / 2		
	3.7	Track width, load wheels (center of tires)	b ₁₁	in	mm	46.0	1,168	
	Dimensions	4.1	Mast or fork carriage tilt forward / backward	α/β	deg °		see mast table	
4.2		Lowered mast height (see tables) (OACH)	h ₁	in	mm	see mast table		
4.3		Fork free lift height (see tables) (FFH)	h ₂	in	mm	see mast table		
4.4		Maximum fork height (see tables) (MFH)	h ₃	in	mm	see mast table		
4.5		Extended mast height (includes standard load backrest)	h ₄	in	mm	see mast table		
4.7		Overhead guard height (top)	h ₆	in	mm	89.1	2,263	
4.8		Seat height / Ground to seat index point	h ₇	in	mm	42.5	1,079	
4.10		Height of wheel arms	h ₈	in	mm	12.2	309	
4.19		Overall length (incl. forks) (see line 4.22)	l ₁	in	mm	95.2 ²⁾	2,419 ²⁾	
4.20		Length to fork face (incl. fork thickness) (see line 4.22)	l ₂	in	mm	50.0	1,269	
4.21		Overall width - chassis / wheel legs	b ₁ / b ₂	in	mm	50.5 / 50.0	1,282 / 1,270	
4.22		Fork dimensions – length / width / thickness	l / e / s	in	mm	45.3 / 4.7 / 1.6	1,150 / 120 / 40	
4.23		Fork carriage type (to ISO 2328, class / type A,B)				2 / B		
4.24		Fork carriage width	b ₃	in	mm	32.7	830	
4.25		Overall fork width (minimum / maximum)	b ₅	in	mm	13.2 / 28.7	335 / 730	
4.26		Distance between wheel arms (BLO)	b ₄	in	mm	37.0	940	
4.28		Reach distance	l ₄	in	mm	24.3	616	
4.32		Ground clearance at center of wheelbase	m ₂	in	mm	3.1	80	
4.32.1		Ground clearance at lowest point		in	mm	2.4	60	
4.33		Aisle width (for 40 x 48 pallets L x W)	Ast	in	mm	103.6 ³⁾	2631 ³⁾	
4.34	Aisle width (for 48 x 48 pallets L x W)	Ast	in	mm	109.6 ³⁾	2,785 ³⁾		
4.35	Minimum outside turning radius	Wa	in	mm	65.6	1,665		
4.37	Length to tip of wheel arms	l ₇	in	mm	72.3	1,837		
Performance	5.1	Travel speed, loaded / no load		mph	km/h	8.7 / 8.7	14 / 14	
	5.2	Lift speed, loaded / no load		fpm	m/s	116.1 / 159.4	0.59 / 0.81	
	5.3	Lowering speed, loaded / no load		fpm	m/s	110.2 / 110.2	0.56 / 0.56	
	5.4	Reaching speed, loaded / empty		fpm	m/s	47.2 / 47.2	0.24 / 0.24	
	5.7	Gradeability loaded / empty		%		8 / 12		
	5.8	Maximum gradeability loaded / empty		%		10 / 15		
	5.9	Acceleration time loaded / empty		Sec		4.6 / 4.3		
	5.10	Brakes - service		type		electric		
	Motors	6.1	Drive motor (rating 60 minutes)	HP	kW		11.4	8.5
		6.2	Lift motor rating at 15%	HP	kW		20.8	15.5
6.4		Battery voltage / nominal capacity K _s	V	Ah		51.2	360	
6.6		Energy consumption according to VDI cycle		kWh/h		3.3 ⁴⁾		
6.7		Throughput		t/h		76 ¹⁾		
6.8		Energy consumption at max. throughput		kWh/h		4.1 ⁴⁾		
Other	8.1	Type of drive control				Jungheinrich - AC		
	8.2	Operating pressure for attachments		PSI	bar	2,175	150	
	8.3	Hydraulic flow rate for attachments		gpm	lpm	5.3	20	
	8.4	Sound pressure level at operator's ear		dB(A)		68		
1) Metric tons per hour throughput 2) Different fork lengths change these values 3) For floor storage with 8 inches maneuvering space included 4) Energy consumption kilowatt-hour / hour					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



Optimum view of the base legs



Non-slip step



Spacious operator compartment



Comfort charging

Optimal visibility

- Removal of the industrial-sized, lead acid battery results in an excellent view of the base legs and load.
- Slim overhead guard enables all-round visibility.
- Panorama glass overhead guard (optional).
- Integrated dayLED (optional).

High-performance mast

Jungheinrich masts help to ensure excellent stability and utilization of warehouse capacity:

- Fast lifting, lowering and reaching.
- High residual capacities with lower dimensions.

Superior operator comfort

The operator compartment provides ideal working conditions for optimized performance and reduced strain on the operator:

- Padded armrest can be adjusted separately with minimum effort.
- Clearly visible wide entry step.
- Holder attachments for additional equipment such as radio data terminals or scanners.
- Wide seat gives the operator more space.
- Practical storage trays.
- Comfort charging.
- Drive wheel cover.
- Two handles for secure entry and exit.
- Shoulder protection.

soloPILOT control lever

The control lever for activating all hydraulic functions, also selects the direction of travel and activates the horn.

- All of the controls are within the operator's field of vision and are clearly designated for each specific function.
- Excellent handling capacity through the simultaneous use of two hydraulic functions (e.g. lifting and reaching).
- Convenient control of hydraulic functions.
- Accurate operations can be achieved through the precise controls.
- multiPILOT (optional).

Easy-to-read color display

- Displays direction of travel and wheel position.
- Battery status with residual time display.
- Three adjustable travel programs for individual adjustment.
- Operating hours and time of day.
- Lift height (optional).
- Load weight (optional).

Lithium-ion technology

- Shorter charging times.
- No battery exchange required.
- Cost savings due to longer service life and lower maintenance compared with lead-acid batteries.
- No charging rooms and ventilation required as there is no build up of gas.
- 5-year warranty on lithium-ion battery.

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.