

High performance and high energy efficiency with 4th generation AC technology

Electric power steering for improved operator comfort and reliability

solo- or multiPILOT integrated into the adjustable armrest

Sealed components to help protect against dust and moisture

The ability to run up to two shifts on a single battery charge



EFG 213 – 220 / 316k – 320

Three- And Four-Wheel Counterbalanced Truck (2,500 – 4,000 lbs.)

The advantages of electrics

The newest generation of AC technology offers numerous advantages for electric counterbalanced forklifts:

- Minimal energy consumption due to high efficiency and energy recovery.
- Minimal service costs due to the reduction of mechanical and hydraulic components.
- Efficient electric power steering using AC technology.

The advantage: industry-leading drive and lift performance levels and the ability to run up to two shifts on a single battery charge in most applications. Combine this with reduced maintenance requirements, and you can significantly reduce your total cost of ownership.

Outdoor applications

Harsh environments are no problem for the EFG 213-220 / 316k-320 series of forklifts because major electrical components are highly sealed, including connectors, controllers, motors and more. The enclosed cabin option provides a comfortable and productive environment for operators – even in wet, cold or extreme conditions.

 **JUNGHEINRICH®**

Technical data

| Characteristics | | | | EFG 213 (3-wheel) | | EFG 216k (3-wheel) | | EFG 216 (3-wheel) | | | |
|-----------------|----|--|-------|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| | 1 | Capacity at rated load center | lb | kg | 2,510 | 1,300 | 3,100 | 1,600 | 3,100 | 1,600 | |
| | 2 | Capacity at load center – distance | in | mm | 24 | 500 | 24 | 500 | 24 | 500 | |
| | 3 | Power | | | electric | | electric | | electric | | |
| | 4 | Tire type – cushion, solid pneumatic | | | solid pneumatic | | solid pneumatic | | solid pneumatic | | |
| Dimensions | 5 | Wheels (x = driven) number front / rear | | | 2x/2 | | 2x/2 | | 2x/2 | | |
| | 11 | Maximum fork height* | in | mm | 118 | 3,000 | 118 | 3,000 | 118 | 3,000 | |
| | 12 | Free fork height* | in | mm | 5.9 | 150 | 5.9 | 150 | 5.9 | 150 | |
| | 13 | Forks – thickness | in | mm | 1.4 | 35 | 1.6 | 40 | 1.6 | 40 | |
| | | Forks – width | in | mm | 3.9 | 100 | 3.9 | 100 | 39 | 150 | |
| | | Forks – length | in | mm | 43.0 | 1,100 | 43.0 | 1,100 | 43.0 | 1,100 | |
| | | Fork spacing – out-to-out minimum / maximum | in | mm | 12.3/36 | 312/914 | 12.3/36 | 312/914 | 12.3/36 | 312/914 | |
| | 14 | Tilt – forward / backward | deg | | 7/7 | | 7/7 | | 7/7 | | |
| | 15 | Length to fork face | in | mm | 69.8 | 1,774 | 74.3 | 1,887 | 78.5 | 1,995 | |
| | 16 | Standard width | in | mm | 41.7 | 1,060 | 41.7 | 1,060 | 41.7 | 1,060 | |
| | | Width w/ wide stance drive wheels | in | mm | n/a | | n/a | | n/a | | |
| | 17 | Height with lowered mast | in | mm | 79 | 2,000 | 79 | 2,000 | 79 | 2,000 | |
| | 18 | Seat height to SIP | in | mm | 36.2 | 920 | 36.2 | 920 | 36.2 | 920 | |
| | 19 | Height to top of overhead guard | in | mm | 80.4 | 2,040 | 80.4 | 2,040 | 80.4 | 2,040 | |
| | 20 | Height with extended mast | in | mm | 166 | 4,216 | 166 | 4,216 | 166 | 4,216 | |
| | 21 | Minimum outside turning radius | in | mm | 56.7 | 1,440 | 60.9 | 1,548 | 65.2 | 1,655 | |
| | 22 | Load moment constant | in | mm | 13.2 ¹⁾ | 335 | 13.4 ¹⁾ | 340 | 13.4 ¹⁾ | 340 | |
| | 23 | Minimum aisle - 90° stack – must add load length and clearance | in | mm | 69.9 ¹⁾ | 1,780 | 74.3 ¹⁾ | 1,890 | 78.6 ¹⁾ | 2,000 | |
| Performance | 24 | travel speed – loaded | mph | km/h | 10 | 16 | 10 | 16 | 10 | 16 | |
| | | travel speed – unloaded | mph | km/h | 10 | 16 | 10 | 16 | 10 | 16 | |
| | 25 | lift speed – loaded | fpm | m/s | 94.5 | 0.48 | 96.5 | 0.49 | 96.5 | 0.49 | |
| | | lift speed – unloaded | fpm | m/s | 118.1 | 0.60 | 118.1 | 0.60 | 118.1 | 0.60 | |
| | 26 | lowering speed – loaded | fpm | m/s | 108.3 | 0.55 | 108.3 | 0.55 | 108.3 | 0.55 | |
| | | lowering speed – unloaded | fpm | m/s | 108.3 | 0.55 | 108.3 | 0.55 | 108.3 | 0.55 | |
| | 28 | maximum gradeability – loaded | % | | 28 | | 27 | | 27 | | |
| | | maximum gradeability – unloaded | % | | 35 | | 35 | | 35 | | |
| Weight | 29 | Empty with minimum weight battery | lb | kg | 5,947 | 2,698 | 6,520 | 2,957 | 6,627 | 3,006 | |
| | 30 | Axle load with rated load – front | lb | kg | 7,434 | 3,514 | 8,474 | 4,014 | 8,480 | 4,015 | |
| | | Axle load with rated load – rear | lb | kg | 1,023 | 484 | 1,146 | 543 | 1,247 | 590 | |
| | | Axle load without load – front | lb | kg | 2,885 | 1,309 | 3,067 | 1,391 | 3,243 | 1,471 | |
| | | Axle load without load – rear | lb | kg | 3,062 | 1,389 | 3,453 | 1,566 | 3,384 | 1,535 | |
| | | | | | | | | | | | |
| Chassis | 31 | Tire size – front, standard solid pneumatic tires | | in | | 18x7-8 | | 18x7-8 | | 18x7-8 | |
| | | Tire size – rear solid pneumatic tires | | in | | 140/55-9 | | 140/ 55-9 | | 140/55 - 9 | |
| | 32 | Wheelbase | in | mm | 49.2 | 1,249 | 53.4 | 1,357 | 57.7 | 1,465 | |
| | 33 | Tread width – front, standard solid pneumatic tires | in | mm | 35.6 | 904 | 35.6 | 904 | 35.6 | 904 | |
| | 34 | Ground clearance – rear solid pneumatic tires | in | mm | 6.9 | 176 | 6.9 | 176 | 6.9 | 176 | |
| | 35 | Ground clearance – at lowest point at mast | in | mm | 3.1 | 80 | 3.1 | 80 | 3.1 | 80 | |
| | 36 | Ground clearance – at center of wheelbase | in | mm | 3.9 | 100 | 3.9 | 100 | 3.9 | 100 | |
| | 37 | Service brakes | type | | electric / mechanical | | electric / mechanical | | electric / mechanical | | |
| | 38 | Parking brakes | type | | electromagnetic | | electromagnetic | | electromagnetic | | |
| | 39 | Battery type | | | lead-acid | | lead-acid | | lead-acid | | |
| Powertrain | 40 | Battery dimensions (length x width x height) | | in | | 20.55 x 32.68 x 24.69 | | 24.80 x 32.68 x 24.69 | | 29.06 x 32.68 x 24.69 | |
| | 41 | Battery – maximum capacity at 6 hour discharge rate | Ah | kWh | 400 | 18.7 | 500 | 23.3 | 600 | 27.8 | |
| | 42 | Battery weight, minimum | lb | kg | 1,497 | 679 | 1,791 | 812 | 2,147 | 974 | |
| | 43 | Motors traction output (60 min. rating) x 2 | HP | kW | 6.0 | 4.5 | 6.0 | 4.5 | 6.0 | 4.5 | |
| | 44 | Controls – lift output (15% rating) | HP | kW | 15.4 | 11.5 | 15.4 | 11.5 | 15.4 | 11.5 | |
| | 45 | Drive controls | type | | Impulse / AC | | Impulse / AC | | Impulse / AC | | |
| | 46 | hydraulic controls | type | | AC | | AC | | AC | | |
| | 47 | Relief pressure for attachments at auxiliary | psi | bar | 2,900 | 200 | 2,900 | 200 | 2,900 | 200 | |
| | 48 | Noise level mean value at operator's ear | dB(A) | | 66 | | 66 | | 66 | | |
| | | | | | | | | | | | |

1) Add 1.0" (25 mm) if truck is equipped with a triplex mast. Add an additional 0.9" (23 mm) if equipped with an integrated sideshifter, or an additional 2.4" (60 mm) if equipped with a hang-on sideshifter.
* Lift with standard two-stage mast (ZT)

as of: 09/2012

| | | | EFG 218k (3-wheel) | | EFG 218 (3-wheel) | | EFG 220 (3-wheel) | |
|----|-------|------|-----------------------|---------|-----------------------|---------|-----------------------|---------|
| 1 | lb | kg | 3,490 | 1,800 | 3,490 | 1,800 | 3,880 | 2,000 |
| 2 | in | mm | 24 | 500 | 24 | 500 | 24 | 500 |
| 3 | | | electric | | electric | | electric | |
| 4 | | | solid pneumatic | | solid pneumatic | | solid pneumatic | |
| 5 | | | 2x/2 | | 2x/2 | | 2x/2 | |
| 11 | in | mm | 118 | 3,000 | 118 | 3,000 | 118 | 3,000 |
| 12 | in | mm | 5.9 | 150 | 5.9 | 150 | 5.9 | 150 |
| | in | mm | 1.6 | 40 | 1.6 | 40 | 1.6 | 40 |
| | in | mm | 3.9 | 100 | 3.9 | 100 | 3.9 | 100 |
| 13 | in | mm | 43.0 | 1,100 | 43.0 | 1,100 | 43.0 | 1,100 |
| | in | mm | 12.3/36 | 312/914 | 12.3/36 | 312/914 | 12.3/36 | 312/914 |
| 14 | deg | | 7/7 | | 7/7 | | 7/7 | |
| 15 | in | mm | 74.3 | 1,887 | 78.5 | 1,995 | 78.5 | 1,995 |
| 16 | in | mm | 44.1 | 1,120 | 44.1 | 1,120 | 44.1 | 1,120 |
| | in | mm | n/a | | n/a | | n/a | |
| 17 | in | mm | 79 | 2,000 | 79 | 2,000 | 79 | 2,000 |
| 18 | in | mm | 36.2 | 920 | 36.2 | 920 | 36.2 | 920 |
| 19 | in | mm | 80.4 | 2,040 | 80.4 | 2,040 | 80.4 | 2,040 |
| 20 | in | mm | 166 | 4,216 | 166 | 4,216 | 166 | 4,216 |
| 21 | in | mm | 60.9 | 1,548 | 65.2 | 1,655 | 65.2 | 1,655 |
| 22 | in | mm | 13.4 ¹⁾ | 340 | 13.4 ¹⁾ | 340 | 13.4 ¹⁾ | 340 |
| 23 | in | mm | 74.3 ¹⁾ | 1,890 | 78.6 ¹⁾ | 2,000 | 78.6 ¹⁾ | 2,000 |
| 24 | mph | km/h | 10 | 16 | 10 | 16 | 10 | 16 |
| | mph | km/h | 10 | 16 | 10 | 16 | 10 | 16 |
| 25 | fpm | m/s | 86.6 | 0.44 | 86.6 | 0.44 | 78.7 | 0.40 |
| | fpm | m/s | 108.3 | 0.55 | 108.3 | 0.55 | 108.3 | 0.55 |
| 26 | fpm | m/s | 108.3 | 0.55 | 108.3 | 0.55 | 108.3 | 0.55 |
| | fpm | m/s | 108.3 | 0.55 | 108.3 | 0.55 | 108.3 | 0.55 |
| 28 | % | | 26 | | 25 | | 24 | |
| | % | | 35 | | 35 | | 35 | |
| 29 | lb | kg | 7,084 | 3,213 | 6,957 | 3,156 | 7,343 | 3,331 |
| | lb | kg | 9,306 | 4,412 | 9,191 | 4,360 | 9,814 | 4,661 |
| 30 | lb | kg | 1,268 | 601 | 1,256 | 596 | 1,409 | 669 |
| | lb | kg | 3,066 | 1,391 | 3,298 | 1,496 | 3,259 | 1,478 |
| | lb | kg | 4,018 | 1,822 | 3,659 | 1,660 | 4,084 | 1,853 |
| 31 | in | | 200/50-10 | | 200/50-10 | | 200/50-10 | |
| | in | | 140/55-9 | | 140/55-9 | | 140/55-9 | |
| 32 | in | mm | 53.4 | 1,357 | 57.7 | 1,465 | 57.7 | 1,465 |
| 33 | in | mm | 36 | 914 | 36 | 914 | 36 | 914 |
| 34 | in | mm | 6.9 | 176 | 6.9 | 176 | 6.9 | 176 |
| 35 | in | mm | 3.1 | 80 | 3.1 | 80 | 3.1 | 80 |
| 36 | in | mm | 3.9 | 100 | 3.9 | 100 | 3.9 | 100 |
| 37 | type | | electric / mechanical | | electric / mechanical | | electric / mechanical | |
| 38 | type | | electromagnetic | | electromagnetic | | electromagnetic | |
| 39 | | | lead-acid | | lead-acid | | lead-acid | |
| 40 | in | | 24.80 x 32.68 x 24.69 | | 29.06 x 32.68 x 24.69 | | 29.06 x 32.68 x 24.69 | |
| 41 | Ah | kWh | 500 | 23.3 | 600 | 27.8 | 600 | 27.8 |
| 42 | lb | kg | 1,791 | 812 | 2,147 | 974 | 2,147 | 974 |
| 43 | HP | kW | 6.0 | 4.5 | 6.0 | 4.5 | 6.0 | 4.5 |
| 44 | HP | kW | 15.4 | 11.5 | 15.4 | 11.5 | 15.4 | 11.5 |
| 45 | type | | Impulse / AC | | Impulse / AC | | Impulse / AC | |
| 46 | type | | AC | | AC | | AC | |
| 47 | psi | bar | 2,900 | 200 | 2,900 | 200 | 2,900 | 200 |
| 48 | dB(A) | | 66 | | 66 | | 66 | |



Technical data

| | | | | EFG 316k (4-wheel) | | EFG 316 (4-wheel) | | EFG 318k (4-wheel) | | |
|-----------------|----|--|-------|--------------------|-----------------------|-------------------|-----------------------|--------------------|-----------------------|---------|
| | | lb | kg | | | | | | | |
| Characteristics | 1 | Capacity at rated load center | lb | kg | 3,100 | 1,600 | 3,100 | 1,600 | 3,490 | 1,800 |
| | 2 | Capacity at load center – distance | in | mm | 24 | 500 | 24 | 500 | 24 | 500 |
| | 3 | Power | | | electric | | electric | | electric | |
| | 4 | Tire type – cushion, solid pneumatic | | | solid pneumatic | | solid pneumatic | | solid pneumatic | |
| | 5 | Wheels (x = driven) number front / rear | | | 2x/2 | | 2x/2 | | 2x/2 | |
| Dimensions | 11 | Maximum fork height* | in | mm | 118 | 3,000 | 118 | 3,000 | 118 | 3,000 |
| | 12 | Free fork height* | in | mm | 5.9 | 150 | 5.9 | 150 | 5.9 | 150 |
| | 13 | Forks – thickness | in | mm | 1.6 | 40 | 1.6 | 40 | 1.6 | 40 |
| | | Forks – width | in | mm | 3.9 | 100 | 3.9 | 100 | 3.9 | 100 |
| | | Forks – length | in | mm | 43.0 | 1,100 | 43.0 | 1,100 | 43.0 | 1,100 |
| | | Fork spacing – out-to-out minimum / maximum | in | mm | 12.3/36 | 312/914 | 12.3/36 | 312/914 | 12.3/36 | 312/914 |
| | 14 | Tilt – forward / backward | deg | | 7/7 | | 7/7 | | 7/7 | |
| | 15 | Length to fork face | in | mm | 78.3 | 1,990 | 82.6 | 2,098 | 78.3 | 1,990 |
| | 16 | Standard width | in | mm | 41.7 | 1,060 | 41.7 | 1,060 | 44.1 | 1,120 |
| | | Width w/ wide stance drive wheels | in | mm | n/a | | n/a | | n/a | |
| | 17 | Height with lowered mast | in | mm | 79 | 2,000 | 79 | 2,000 | 79 | 2,000 |
| | 18 | Seat height to SIP | in | mm | 36.2 | 920 | 36.2 | 920 | 36.2 | 920 |
| | 19 | Height to top of overhead guard | in | mm | 80.4 | 2,040 | 80.4 | 2,040 | 80.4 | 2,040 |
| | 20 | Height with extended mast | in | mm | 166 | 4,216 | 166 | 4,216 | 166 | 4,216 |
| | 21 | Minimum outside turning radius | in | mm | 73.2 | 1,859 | 78.1 | 1,985 | 73.2 | 1,859 |
| | 22 | Load moment constant | in | mm | 13.4 ¹⁾ | 340 | 13.4 ¹⁾ | 340 | 13.4 ¹⁾ | 340 |
| | 23 | Minimum aisle - 90° stack – must add load length and clearance | in | mm | 86.6 ¹⁾ | 2,200 | 91.5 ¹⁾ | 2,325 | 86.6 ¹⁾ | 2,200 |
| Performance | 24 | travel speed – loaded | mph | km/h | 10.6 | 17.0 | 10.6 | 17.0 | 10.6 | 17.0 |
| | | travel speed – unloaded | mph | km/h | 10.6 | 17.0 | 10.6 | 17.0 | 10.6 | 17.0 |
| | 25 | lift speed – loaded | fpm | m/s | 96.5 | 0.49 | 96.5 | 0.49 | 86.6 | 0.44 |
| | | lift speed – unloaded | fpm | m/s | 118.1 | 0.60 | 118.1 | 0.60 | 108.3 | 0.55 |
| | 26 | lowering speed – loaded | fpm | m/s | 108.3 | 0.55 | 108.3 | 0.55 | 108.3 | 0.55 |
| | | lowering speed – unloaded | fpm | m/s | 108.3 | 0.55 | 108.3 | 0.55 | 108.3 | 0.55 |
| | 28 | maximum gradeability – loaded | % | | 27 | | 27 | | 26 | |
| | | maximum gradeability – unloaded | % | | 35 | | 35 | | 35 | |
| Weight | 29 | Empty with minimum weight battery | lb | kg | 6,597 | 2,992 | 6,503 | 2,950 | 6,906 | 3,133 |
| | | Axle load with rated load – front | lb | kg | 8,542 | 3,967 | 8,372 | 3,998 | 9,149 | 4,300 |
| | 30 | Axle load with rated load – rear | lb | kg | 1,155 | 625 | 1,231 | 552 | 1,247 | 632 |
| | | Axle load without load – front | lb | kg | 2,999 | 1,360 | 3,235 | 1,467 | 3,012 | 1,366 |
| | | Axle load without load – rear | lb | kg | 3,598 | 1,632 | 3,268 | 1,482 | 3,894 | 1,766 |
| | | | | | | | | | | |
| Chassis | 31 | Tire size – front, standard solid pneumatic tires | in | | 18x7-8 | | 18x7-8 | | 200/50-10 | |
| | | Tire size – rear solid pneumatic tires | in | | 16x6-8 | | 16x6-8 | | 16x6-8 | |
| | 32 | Wheelbase | in | mm | 55.1 | 1,400 | 59.4 | 1,508 | 55.1 | 1,400 |
| | 33 | Tread width – front, standard solid pneumatic tires | in | mm | 35.6 | 904 | 35.6 | 904 | 36.0 | 914 |
| | 34 | Ground clearance – rear solid pneumatic tires | in | mm | 32.7 | 830 | 32.7 | 830 | 32.7 | 830 |
| | 35 | Ground clearance – at lowest point at mast | in | mm | 3.1 | 80 | 3.1 | 80 | 3.1 | 80 |
| | 36 | Ground clearance – at center of wheelbase | in | mm | 3.9 | 100 | 3.9 | 100 | 3.9 | 100 |
| | 37 | Service brakes | type | | electric / mechanical | | electric / mechanical | | electric / mechanical | |
| | 38 | Parking brakes | type | | electromagnetic | | electromagnetic | | electromagnetic | |
| | | | | | | | | | | |
| Powertrain | 39 | Battery type | | | lead - acid | | lead - acid | | lead - acid | |
| | 40 | Battery dimensions (length x width x height) | in | | 24.80 x 32.68 x 24.69 | | 29.06 x 32.68 x 24.69 | | 24.80 x 32.68 x 24.69 | |
| | 41 | Battery – maximum capacity at 6 hour discharge rate | Ah | kWh | 500 | 23.3 | 600 | 27.8 | 500 | 23.3 |
| | 42 | Battery weight, minimum | lb | kg | 1,791 | 812 | 2,147 | 974 | 1,791 | 812 |
| | 43 | Motors traction output (60 min. rating) x 2 | HP | kW | 6.0 | 4.5 | 6.0 | 4.5 | 6.0 | 4.5 |
| | 44 | Controls – lift output (15% rating) | HP | kW | 15.4 | 11.5 | 15.4 | 11.5 | 15.4 | 11.5 |
| | 45 | Drive controls | type | | Impulse / AC | | Impulse / AC | | Impulse / AC | |
| | 46 | hydraulic controls | type | | AC | | AC | | AC | |
| | 47 | Relief pressure for attachments at auxiliary | psi | bar | 2,900 | 200 | 2,900 | 200 | 2,900 | 200 |
| | 48 | Noise level mean value at operator's ear | dB(A) | | 67 | | 67 | | 67 | |

1) Add 1.0" (25 mm) if truck is equipped with a triplex mast. Add an additional 0.9" (23 mm) if equipped with an integrated sideshifter, or an additional 2.4" (60 mm) if equipped with a hang-on sideshifter.

* Lift with standard two-stage mast (ZT)

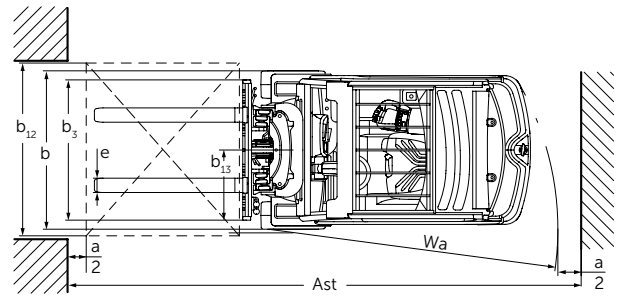
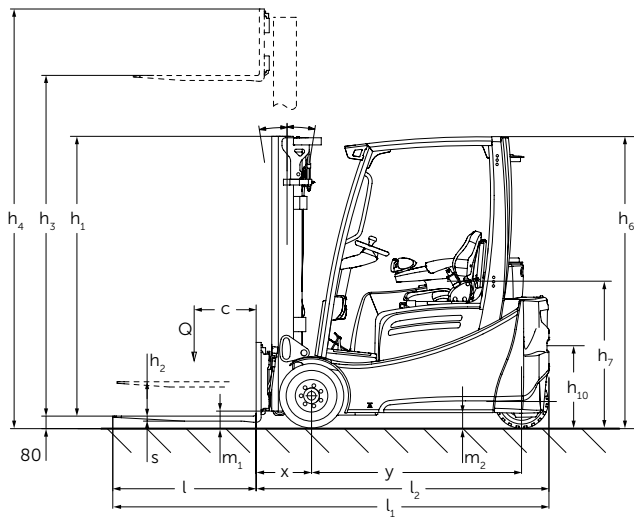
as of: 09/2012

| | | | EFG 318 (4-wheel) | | EFG 320 (4-wheel) | |
|----|-------|------|-----------------------|---------|-----------------------|---------|
| 1 | lb | kg | 3,490 | 1,800 | 3,880 | 2,000 |
| 2 | in | mm | 24 | 500 | 24 | 500 |
| 3 | | | electric | | electric | |
| 4 | | | solid pneumatic | | solid pneumatic | |
| 5 | | | 2x/2 | | 2x/2 | |
| 11 | in | mm | 118 | 3,000 | 118 | 3,000 |
| 12 | in | mm | 5.9 | 150 | 5.9 | 150 |
| | in | mm | 1.6 | 40 | 1.6 | 40 |
| | in | mm | 3.9 | 100 | 3.9 | 100 |
| 13 | in | mm | 43.0 | 1,100 | 43.0 | 1,100 |
| | in | mm | 12.3/36 | 312/914 | 12.3/36 | 312/914 |
| 14 | deg | | 7/7 | | 7/7 | |
| 15 | in | mm | 82.6 | 2,098 | 82.6 | 2,098 |
| | in | mm | 44.1 | 1,120 | 44.1 | 1,120 |
| 16 | in | mm | n/a | | n/a | |
| 17 | in | mm | 79 | 2,000 | 79 | 2,000 |
| 18 | in | mm | 36.2 | 920 | 36.2 | 920 |
| 19 | in | mm | 80.4 | 2,040 | 80.4 | 2,040 |
| 20 | in | mm | 166 | 4,216 | 166 | 4,216 |
| 21 | in | mm | 78.1 | 1,985 | 78.1 | 1,985 |
| 22 | in | mm | 13.4 ¹⁾ | 340 | 13.4 ¹⁾ | 340 |
| 23 | in | mm | 91.5 ¹⁾ | 2,325 | 91.5 ¹⁾ | 2,325 |
| 24 | mph | km/h | 10.6 | 17.0 | 10.6 | 17.0 |
| | mph | km/h | 10.6 | 17.0 | 10.6 | 17.0 |
| 25 | fpm | m/s | 86.6 | 0.44 | 78.7 | 0.40 |
| | fpm | m/s | 108.3 | 0.55 | 108.3 | 0.55 |
| 26 | fpm | m/s | 108.3 | 0.55 | 108.3 | 0.55 |
| | fpm | m/s | 108.3 | 0.55 | 108.3 | 0.55 |
| 28 | % | | 25 | | 24 | |
| | % | | 35 | | 35 | |
| 29 | lb | kg | 6,812 | 3,090 | 7,175 | 3,255 |
| | lb | kg | 9,063 | 4,322 | 9,667 | 4,631 |
| 30 | lb | kg | 1,239 | 568 | 1,388 | 624 |
| | lb | kg | 3,251 | 1,475 | 3,232 | 1,466 |
| | lb | kg | 3,561 | 1,615 | 3,943 | 1,789 |
| 31 | in | | 200/50-10 | | 200/50-10 | |
| | in | | 16x6-8 | | 16x6-8 | |
| 32 | in | mm | 59.4 | 1,508 | 59.4 | 1,508 |
| 33 | in | mm | 36.0 | 914 | 36.0 | 914 |
| 34 | in | mm | 32.7 | 830 | 32.7 | 830 |
| 35 | in | mm | 3.1 | 80 | 3.1 | 80 |
| 36 | in | mm | 3.9 | 100 | 3.9 | 100 |
| 37 | type | | electric / mechanical | | electric / mechanical | |
| 38 | type | | electromagnetic | | electromagnetic | |
| 39 | | | lead - acid | | lead - acid | |
| 40 | in | | 29.06 x 32.68 x 24.69 | | 29.06 x 32.68 x 24.69 | |
| 41 | Ah | kWh | 600 | 27.8 | 600 | 27.8 |
| 42 | lb | kg | 2,147 | 974 | 2,147 | 974 |
| 43 | HP | kW | 6.0 | 4.5 | 6.0 | 4.5 |
| 44 | HP | kW | 15.4 | 11.5 | 15.4 | 11.5 |
| 45 | type | | Impulse / AC | | Impulse / AC | |
| 46 | type | | AC | | AC | |
| 47 | psi | bar | 2,900 | 200 | 2,900 | 200 |
| 48 | dB(A) | | 67 | | 67 | |

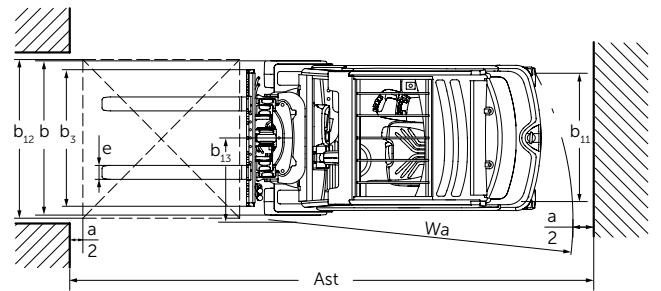
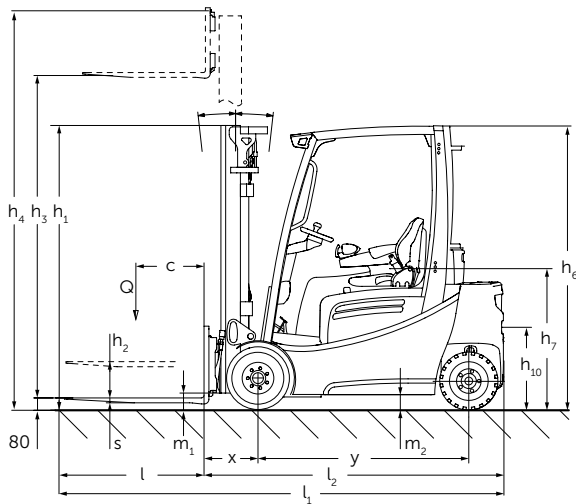


EFG 213 – 220 / 316k – 320

EFG 213-220



EFG 316k-320





The Jungheinrich Advantage



Interactive display



Convenient controls



snapFIT Battery Extraction



Ergonomic operator compartment

Superior operator comfort

The ergonomic operator compartment allows for relaxed and productive operation, particularly beneficial at the end of long shifts:

- Low-effort electric power steering allows for a smaller steering wheel and minimizes the number of revolutions necessary to make a turn.
- The elimination of hydraulic components in the leg area reduces steering-related noise and provides more leg room.
- Ability to tilt and telescope the steering column to suit the operator's needs.
- All essential controls are located on the highly-adjustable armrest, allowing for easy, intuitive operator control.
- Operators will experience an extremely comfortable ride on rough or uneven floors with the combination of solid pneumatic tires, a full-suspension seat and floating cabin.

Maintenance-free braking system

- Regenerative braking with the traction motor allows for smooth, energy efficient deceleration.
- Automatically engaging parking brake for secure stopping, even on ramps.
- Brake pedal operated, maintenance-free disc brakes allow for more aggressive stopping.

Maintenance-free motors

The new generation of 3-phase AC motors will impress – providing quiet and precise operation at all speeds.

- High torque for faster operation cycles.
- Lifetime lubrication of main components.
- Individually mounted drive motors for easier service and maintenance.
- Dust and water protection to IP54.

Control systems

High performance also requires a high degree of control. That's why the EFG series includes a comprehensive range of equipment for more secure operation:

- Deactivation of all hydraulic functions when the operator seat is not occupied.
- No roll-back on ramps or inclines with the automatic parking brake, even when the vehicle is switched off.
- Automatic progressive reduction of the driving speed during cornering with Jungheinrich curveCONTROL.

Intelligent electronics

- Smooth travel / reversing and precise positioning.
- Optimally adapts to any situation using five individual work programs.
- Efficient communication between the truck and operator / technician with the highly informative, interactive display.

Lithium-ion Package Advantages (available on EFG 213 / 216 / 218 and EFG 316 / 318 / 320)

- Fast charging with no need for battery exchanges
- Maintenance-free with no odors from gases or acidification
- Longer service life and lower maintenance compared with lead-acid batteries
- Charging can be interrupted at anytime
- 5-year battery warranty included

Parts when you need them

Jungheinrich's Parts Fast or Parts Free Guarantee ensures next-business-day delivery by 5:00 p.m. 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.