

FE3D C-SERIES

3-Wheel Li-ion Electric Forklift

NEW ARRIVAL



FE3D16-20 C-Series

Electric Counterbalance Forklift

POWERHOUSE PERFORMANCE

Our cutting-edge transmission system employs dual gearboxes and twin motors, allowing for a top speed of 15 km/h and an impressive 20% maximum incline capacity when fully loaded. With a high-power oil pump motor and a low-noise gear pump, the lifting speed has seen a significant boost, reaching 450mm/s even when empty.

SLEEK DESIGN

Inspired by the classic *N-Series* three wheel appearance, C range features strong, smooth lines for a compact, stylish and robust look.

ADVANCE LCD DISPLAY

The operator can select different performance modes on LCD to meet different applications. The easy-to-read LCD color display provides information about speed, steer angle & travel direction, battery discharge indicator, hour meter & working mode, which allows the operator to operate easily and efficiently.



GREAT COMFORT AND ERGONOMIC DESIGN FOR EASY AND COMFORTABLE OPERATION

Adjustable for operator weight, lumbar support and position, the full-suspension seat includes an ergonomic operator restraint system which helps support the operator during operation.

The key electric components such as controllers, displays, main contactors are all well-known brands in the industry to ensure the best performance and reliability.

Small diameter steering wheel with a spinner knob and on-demand Fully Hydrostatic Power Steering (FHPS) ensures effortless steering of the forklift during operation. Spacious step area with anti-slip design and a large hand grip for easy entry and exit.

Comfort Package including Rear Grab Bar with horn +Left & Right Rearview Mirrors +USB Connector +Deluxe Grab Bar +Deluxe Full Suspension Seat operation to make the job easier.



DURABILITY & FLEXIBILITY

Thanks to its high-strength chassis, our forklift adapts seamlessly to various work conditions. With a compact body, small turning radius, and a width of just 1080mm (42.5"), it excels in navigating confined spaces.

BATTERY OPTIONS

Choose between lead-acid and lithium batteries to meet diverse customer requirements with multiple available specifications.



SAFETY & RELIABILITY

With IPX4-rated sealed covering parts, our forklift ensures safety in all weather conditions. Standard features include automatic speed reduction during turns and the OPS safety system, reducing rollover risk and enhancing overall safety.

FE3D16-20 C-SERIES ELECTRIC COUNTERBALANCE FORKLIFT

IDENTIFICATION

| | | | | | |
|-----|---|-------|----------|----------|----------|
| 1.1 | Manufacturer(abbreviation) | | Nobelift | | |
| 1.2 | Manufacturer's type designation | | FE3D16C | FE3D18C | FE3D20C |
| 1.3 | Drive: electric (battery or mains), diesel, patro gas, manual | | electric | electric | electric |
| 1.4 | Type of operation (hand, peditrian, standing, seated, order picker) | | seated | seated | seated |
| 1.5 | Load capacity / rated load | Q(kg) | 1600 | 1800 | 2000 |
| 1.6 | Load centre distance | c(mm) | 500 | 500 | 500 |
| 1.8 | Load distance, centre of drive axle to fork | x(mm) | 372 | 377 | 377 |
| 1.9 | Wheel base | y(mm) | 1360 | 1360 | 1490 |

WEIGHTS

| | | | | | |
|-----|---|----|-----------|-----------|-----------|
| 2.1 | Service weight including battery (see line 6.5) | kg | 3100 | 3220 | 3520 |
| 2.2 | Axle loading, laden front/rear | kg | 4180/520 | 4470/550 | 4910/610 |
| 2.3 | Axle loading, unladen front/rear | kg | 1490/1610 | 1550/1670 | 1700/1820 |

WHEELS, CHASIS

| | | | | | |
|-----|--|---------|--------------|--------------|--------------|
| 3.1 | Type: solid rubber, super elastic, pneumatic, polyurethane | | Solid rubber | Solid rubber | Solid rubber |
| 3.2 | Tyres size, front | | 18x7x12-1/8 | 18x7x12-1/8 | 18x7x12-1/8 |
| 3.3 | Tyres size, rear | | 15x5x11-1/4 | 15x5x11-1/4 | 15x5x11-1/4 |
| 3.5 | Wheels, number front/rear(x=driven wheels) | | 2x/2 | 2x/2 | 2x/2 |
| 3.6 | Track width, front | b10(mm) | 902 | 902 | 902 |
| 3.7 | Track width, rear | b11(mm) | 187 | 187 | 187 |

BASIC DIMENSIONS

| | | | | | |
|-----|--|--------------------------|------|------|------|
| 4.1 | Mast/fork carriage tilt forward/backward | $\alpha/\beta(^{\circ})$ | 5/7 | 5/7 | 5/7 |
| 4.2 | Lowered mast height | h1(mm) | 1995 | 1995 | 1995 |
| 4.3 | Free lift | h2(mm) | 125 | 125 | 125 |
| 4.4 | Lift height | h3(mm) | 3000 | 3000 | 3000 |
| 4.5 | Extended mast height | h4(mm) | 3955 | 3955 | 3955 |
| 4.7 | Overhead load guard height | h6(mm) | 2100 | 2100 | 2100 |
| 4.8 | Seat height/standing height | h7(mm) | 1005 | 1005 | 1005 |

| | | | | | |
|------|---|-----------|------------|-------------|-------------|
| 4.12 | Coupling height | h10(mm) | 465 | 465 | 465 |
| 4.19 | Overall length | l1(mm) | 2870 | 3025 | 3155 |
| 4.20 | Length to face of forks | l2(mm) | 1950 | 1955 | 2085 |
| 4.21 | Overall width | b1(mm) | 1084 | 1084 | 1084 |
| 4.22 | Fork dimensions | s/e/l(mm) | 35/100/920 | 40/100/1070 | 40/100/1070 |
| 4.24 | Fork carriage width | b3(mm) | 1040 | 1040 | 1040 |
| 4.31 | Ground clearance, laden, under mast | m1(mm) | 105 | 105 | 105 |
| 4.32 | Ground clearance, centre of wheel base | m2(mm) | 105 | 105 | 105 |
| 4.33 | Aisle width for pallets 1000x1200 crossways | Ast(mm) | 3268 | 3273 | 3403 |
| 4.34 | Aisle width for pallets 800x1200 lengthways | Ast(mm) | 3393 | 3397 | 3527 |
| 4.35 | Turning radius | Wa(mm) | 1570 | 1570 | 1700 |

PERFORMANCE DATA

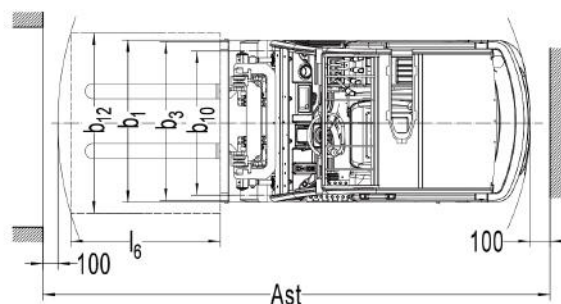
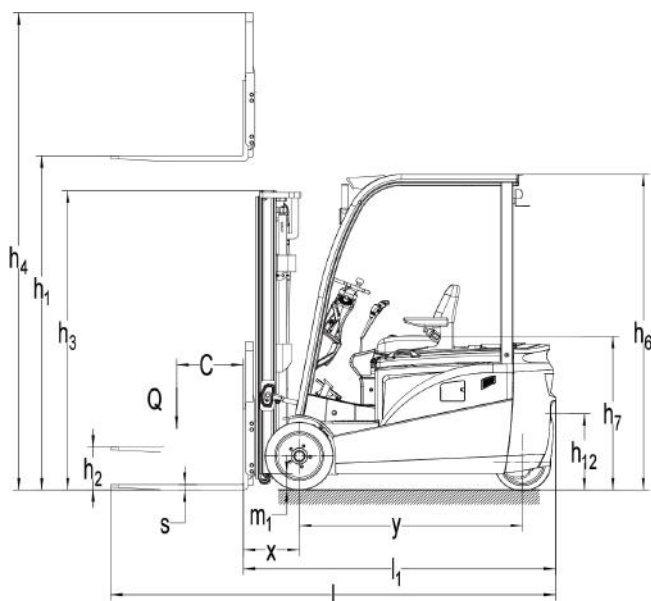
| | | | | | |
|------|--|------|-----------|-----------|-----------|
| 5.1 | Travel speed, laden/unladen | km/h | 14/15 | 14/15 | 13/15 |
| 5.2 | Lift speed, laden/unladen | m/s | 0.32/0.42 | 0.30/0.42 | 0.30/0.42 |
| 5.3 | Lowering speed, laden/unladen | m/s | <600 | <600 | <600 |
| 5.5 | Max. drawbar pull, laden/unladen | N | 8500/7800 | 8500/7800 | 8800/8000 |
| 5.7 | Max. gradient performance, laden/unladen S2 5 min. | % | 15/20 | 15/20 | 13/18 |
| 5.10 | Service brake | | hydraulic | hydraulic | hydraulic |

E-MOTOR

| | | | | | |
|-----|--------------------------------------|------|---|---|---|
| 6.1 | Drive motor rating S2 60 min. | kW | 4.5*2 | 4.5*2 | 4.5*2 |
| 6.2 | Lift motor rating at S3 15% | kW | 8.6 | 8.6 | 8.6 |
| 6.3 | Battery standard | | Lead-acid/Li-ion | Lead-acid/Li-ion | Lead-acid/Li-ion |
| 6.4 | Battery voltage, nominal capacity K5 | V/Ah | Lead-acid:48/455(490/560) option Li-ion:51.277(412/554) option | Lead-acid:48/455(490/560) option Li-ion:51.277(412/554) option | Lead-acid:48/455(490/560) option Li-ion:51.277(412/554) option |
| 6.5 | Battery weight | kg | Lead-acid: 800/ Li-ion: 450 | Lead-acid: 800/ Li-ion: 450 | Lead-acid: 800/ Li-ion: 450 |
| | Battery dimensions l/w/h | mm | 980/538/670 | 980/538/670 | 980/538/670 |

OTHER DETAILS

| | | | | | |
|-----|--|-------|------|------|------|
| 8.1 | Type of drive control | | AC | AC | AC |
| 8.2 | Operating pressure for attachments | MPa | 17.5 | 17.5 | 17.5 |
| 8.3 | Oil volume for attachments | l/min | 36 | 36 | 36 |
| 8.4 | sound level at driver's ear according to EN 12 053 | dB(A) | 73 | 73 | 73 |



MAST TABLE FE3D16-20C

| Designation | Lift height | free lift | Closed mast height | Extended mast height | Tilt forward/backward | Capacity table (kg) C=500mm without sideshift, single pneumatic tyres | | |
|-----------------|-------------|-----------|--------------------|----------------------|--------------------------|--|---------|---------|
| | h3 (mm) | h2 (mm) | h1 (mm) | h4 (mm) | $\alpha/\beta(^{\circ})$ | FE3D16C | FE3D18C | FE3D20C |
| Two-stage STD | 2500 | 125 | 1745 | 3455 | 5/7 | 1600 | 1800 | 2000 |
| | 2700 | 125 | 1845 | 3655 | 5/7 | 1600 | 1800 | 2000 |
| | 3000 | 125 | 1995 | 3955 | 5/7 | 1600 | 1800 | 2000 |
| | 3300 | 125 | 2145 | 4255 | 5/7 | 1600 | 1800 | 2000 |
| | 3500 | 125 | 2245 | 4455 | 5/7 | 1600 | 1800 | 2000 |
| | 3700 | 125 | 2345 | 4655 | 5/7 | 1600 | 1800 | 2000 |
| | 4000 | 125 | 2545 | 4955 | 3/5 | 1500 | 1800 | 2000 |
| | 4300 | 125 | 2695 | 5255 | 3/5 | 1450 | 1700 | 1900 |
| | 4500 | 125 | 2795 | 5455 | 3/5 | 1400 | 1600 | 1800 |
| Two-stage FL | 2500 | 790 | 1745 | 3455 | 5/7 | 1600 | 1800 | 2000 |
| | 2700 | 890 | 1845 | 3655 | 5/7 | 1600 | 1800 | 2000 |
| | 3000 | 1040 | 1995 | 3955 | 5/7 | 1600 | 1800 | 2000 |
| | 3300 | 1190 | 2145 | 4255 | 5/7 | 1600 | 1800 | 2000 |
| | 3500 | 1290 | 2245 | 4455 | 5/7 | 1600 | 1800 | 2000 |
| | 3700 | 1390 | 2345 | 4655 | 5/7 | 1600 | 1800 | 2000 |
| | 4000 | 1590 | 2545 | 4955 | 3/5 | 1500 | 1750 | 1900 |
| Three-stage FFL | 4000 | 985 | 1940 | 4955 | 3/5 | 1500 | 1750 | 1900 |
| | 4350 | 1110 | 2065 | 5305 | 3/5 | 1450 | 1700 | 1850 |
| | 4500 | 1160 | 2115 | 5455 | 3/5 | 1400 | 1600 | 1800 |
| | 4799 | 1200 | 2155 | 5755 | 3/5 | 1300 | 1500 | 1600 |
| | 5000 | 1360 | 2315 | 5955 | 3/5 | 1200 | 1450 | 1500 |
| | 5500 | 1510 | 2465 | 6455 | 3/5 | 1100 | 1200 | 1300 |
| | 6000 | 1710 | 2665 | 6955 | 3/5 | 800 | 900 | 1000 |
| | 6500 | 1910 | 2865 | 7455 | 3/5 | 500 | 650 | 750 |



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