

2.0-2.5t MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type | Mast Name | Max. Fork Height (mm) | Load Capacity(kg) | | | | Overall Height (mm) | | | Free Lift (mm) | | Tilt Angle (Single) | Tilt Angle (Double) |
|-----------------------------|-----------|-----------------------|-------------------|---------------|-------|---------------|---------------------|------------------|---------------|------------------|---------------|---------------------|---------------------|
| | | | FB20 | FB20 (Double) | FB25 | FB25 (Double) | Lowered | Extended | | Without Backrest | With Backrest | | |
| | | | | | | | | Without Backrest | With Backrest | | | | |
| Wide View Mast | M300 | 3000 | 2000 | 2000 | 2500 | 2500 | 2055 | 3580 | 4070 | 100 | 100 | 6-12 | 6-12 |
| | M330 | 3300 | 2000 | 2000 | 2500 | 2500 | 2205 | 3880 | 4370 | 100 | 100 | 6-12 | 6-12 |
| | M400 | 4000 | 2000 | 2000 | 2450 | 2450 | 2605 | 4580 | 5070 | 100 | 100 | 6-6 | *6-12 |
| | M450 | 4500 | 1800 | *1900 | 2000 | *2400 | 2855 | 5080 | 5570 | 100 | 100 | 6-6 | *6-12 |
| | M470 | 4700 | 1450 | *1850 | 1750 | *2050 | 2955 | 5280 | 5770 | 100 | 100 | 6-6 | *6-12 |
| | M500 | 5000 | 1300 | *1700 | 1600 | *2100 | 3155 | 5580 | 6070 | 100 | 100 | 6-6 | *6-6 |
| | M550 | 5500 | 1100 | *1500 | 1350 | *1700 | 3405 | 6080 | 6570 | 100 | 100 | 3-6 | *3-6 |
| M600 | 6000 | 950 | *1300 | 1050 | *1500 | 3655 | 6580 | 7070 | 100 | 100 | 3-6 | *3-6 | |
| 2-Stage Full Free View Mast | FM300 | 3000 | 2000 | 2000 | 2500 | 2500 | 2070 | 3605 | 4068 | 1470 | 1007 | 6-12 | 6-12 |
| | FM370 | 3700 | 2000 | 2000 | 2500 | 2500 | 2420 | 4255 | 4718 | 1800 | 1357 | 6-6 | 6-6 |
| | FM400 | 4000 | 2000 | 2000 | 2500 | 2500 | 2670 | 4605 | 5068 | 2000 | 1607 | 6-6 | *6-12 |
| 3-Stage Full Free View Mast | TFM450 | 4500 | 1700 | *1800 | 2000 | *2300 | 2095 | 5107 | 5570 | 1498 | 1035 | 6-6 | *6-6 |
| | TFM470 | 4700 | 1600 | *1750 | 1900 | *2200 | 2145 | 5307 | 5770 | 1548 | 1085 | 6-6 | *6-6 |
| | TFM500 | 5000 | 1400 | *1600 | 1500 | *2000 | 2245 | 5607 | 6070 | 1648 | 1185 | 6-6 | *6-6 |
| | TFM550 | 5500 | 1100 | *1500 | 1200 | *1800 | 2445 | 6107 | 6570 | 1800 | 1385 | 3-6 | *3-6 |
| | TFM600 | 6000 | 800 | *1400 | 850 | *1600 | 2645 | 6607 | 7070 | 2000 | 1585 | 3-6 | *3-6 |
| | TFM650 | 6500 | 500 | *1100 | 550 | *1200 | 2895 | 7107 | 7570 | 2200 | 1835 | 3-6 | *3-6 |
| | TFM700 | 7000 | 100 | *700 | 150 | *800 | 3095 | 7607 | 8070 | 2300 | 2035 | 3-6 | *3-6 |

Note: 1. With Separated Side shifter, load capacity subtract 200Kg, With Integrated side shifter, load capacity subtract 50Kg. 2. * (Asterisk) is for double front wheels model.

3.0-3.5t MAST SPECIFICATIONS & RATED CAPACITIES

| Mast Type | Mast Name | Max. Fork Height (mm) | Load Capacity(kg) | | | Overall Height (mm) | | | Free Lift (mm) | | Tilt Angle (Single) | Tilt Angle (Double) |
|-----------------------------|-----------|-----------------------|-------------------|---------------|------|---------------------|------------------|---------------|------------------|---------------|---------------------|---------------------|
| | | | FB30 | FB30 (Double) | FB35 | Lowered | Extended | | Without Backrest | With Backrest | | |
| | | | | | | | Without Backrest | With Backrest | | | | |
| Wide View Mast | M300 | 3000 | 3000 | 3000 | 3500 | 2070 | 3595 | 4070 | 100 | 100 | 6-12 | 6-12 |
| | M330 | 3300 | 3000 | 3000 | 3500 | 2220 | 3895 | 4370 | 100 | 100 | 6-12 | 6-12 |
| | M370 | 3700 | 3000 | 3000 | 3400 | 2420 | 4295 | 4770 | 100 | 100 | 6-6 | 6-6 |
| | M400 | 4000 | 2950 | 2950 | 3250 | 2620 | 4595 | 5070 | 100 | 100 | 6-6 | *6-12 |
| | M450 | 4500 | 2600 | *2900 | 2900 | 2870 | 5095 | 5570 | 100 | 100 | 6-6 | *6-12 |
| | M470 | 4700 | 2500 | 2800 | 2800 | 2970 | 5295 | 5770 | 100 | 100 | 6-6 | *6-12 |
| | M500 | 5000 | 2200 | *2550 | 2400 | 3170 | 5595 | 6070 | 100 | 100 | 6-6 | *6-6 |
| M550 | 5500 | 2000 | *2400 | 2200 | 3420 | 6095 | 6570 | 100 | 100 | 3-6 | *3-6 | |
| M600 | 6000 | 1500 | *2000 | 1600 | 3670 | 6595 | 7070 | 100 | 100 | 3-6 | *3-6 | |
| 2-Stage Full Free View Mast | FM300 | 3000 | 3000 | 3000 | 3500 | 2070 | 3590 | 4065 | 1382 | 907 | 6-12 | 6-12 |
| | FM330 | 3300 | 3000 | 3000 | 3500 | 2220 | 3940 | 4415 | 1532 | 1057 | 6-12 | 6-12 |
| | FM370 | 3700 | 3000 | 3000 | 3500 | 2420 | 4240 | 4715 | 1732 | 1257 | 6-6 | 6-6 |
| | FM400 | 4000 | 3000 | 3000 | 3250 | 2670 | 4590 | 5065 | 1982 | 1507 | 6-6 | *6-12 |
| 3-Stage Full Free View Mast | TFM450 | 4500 | 2600 | *2800 | 2800 | 2110 | 5200 | 5675 | 1422 | 947 | 6-6 | *6-6 |
| | TFM470 | 4700 | 2400 | *2700 | 2500 | 2160 | 5400 | 5875 | 1472 | 997 | 6-6 | *6-6 |
| | TFM500 | 5000 | 2100 | *2400 | 2300 | 2260 | 5700 | 6175 | 1572 | 1097 | 6-6 | *6-6 |
| | TFM550 | 5500 | 1650 | *2250 | 1800 | 2460 | 6200 | 6675 | 1772 | 1297 | 3-6 | *3-6 |
| | TFM600 | 6000 | 1200 | *2100 | 1300 | 2660 | 6700 | 7175 | 1972 | 1497 | 3-6 | *3-6 |
| | TFM650 | 6500 | 950 | *1700 | 1050 | 2910 | 7200 | 7675 | 2200 | 1747 | 3-6 | *3-6 |
| | TFM700 | 7000 | 650 | *1400 | 750 | 3110 | 7700 | 8175 | 2300 | 1947 | 3-6 | *3-6 |

Note: 1. With Separated Side shifter, load capacity subtract 200Kg, With Integrated side shifter, load capacity subtract 50Kg. 2. * (Asterisk) is for double front wheels model.



Li-ion

**NL SERIES LITHIUM BATTERY
COUNTERBALANCE FORKLIFT**



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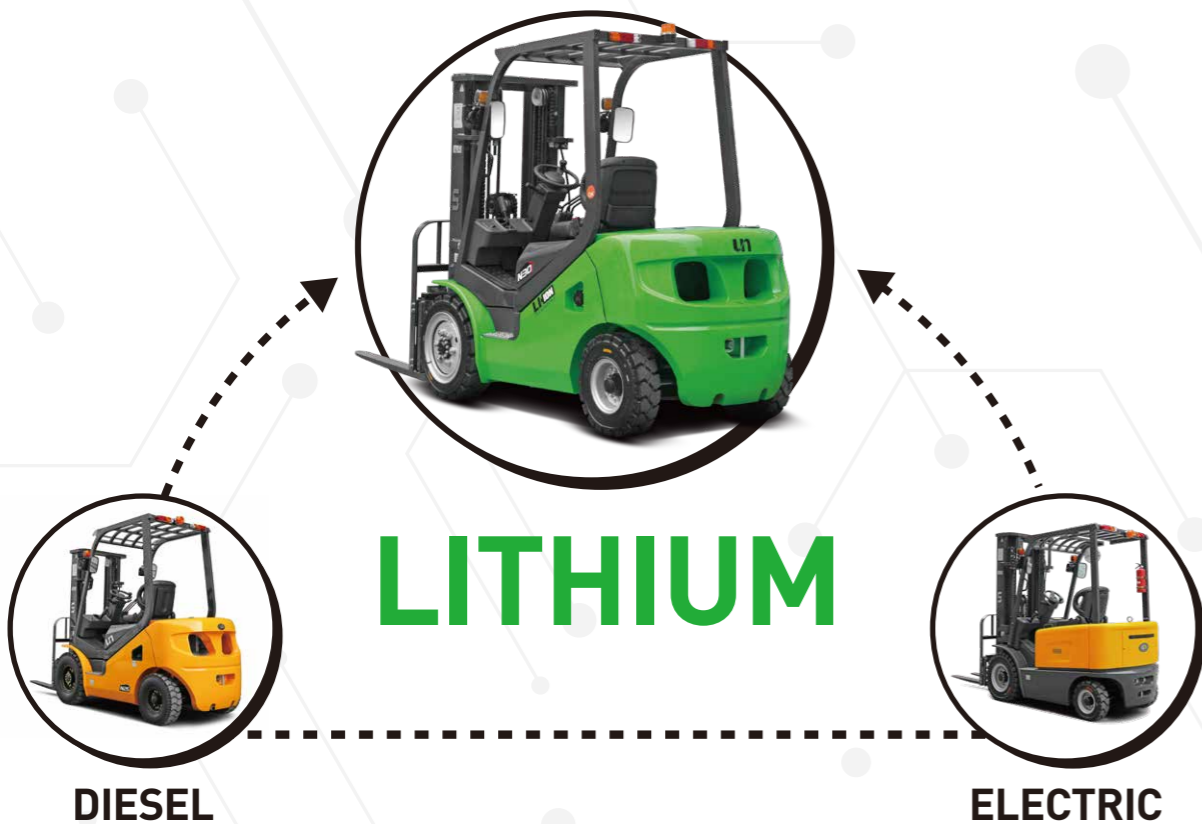


UN FORKLIFT

NL Series Lithium Battery Counterbalance Forklift

capacity 2,000 to 3,500kg

The NL series new lithium battery forklift adopts UN internal combustion forklift's design with the strong chassis, frame, counterweight and mast. The power structure is designed to adopt UN electric forklift's concept, which use full AC system, Italy imported ZAPI controller, BMS control system and high quality lithium battery. This combination of IC forklift and electric forklift makes an ideal solution to reach customers' satisfaction on cost saving and environmental friendly.



LITHIUM BATTERY FORKLIFT IS CONVERTED FROM DIESEL FORKLIFT

TWO IN ONE, ONE FOR TWO

COMFORT AND ERGONOMICS

Owing to the low center of gravity and good stability, the driver feels comfortable during turning. Bigger leg space than standard Li-ion forklifts.



Large foot space



Low and Wide Step



Zapi controller with multifunctional instrument panel



Led lights: energy saving, long life



Pedals with comfortable angle



ADVANTAGES OF LITHIUM BATTERY TECHNOLOGY

Strong and Durable Chassis

Using the IC truck structures, which has been tested by the market for more than 20 years.

5 YEARS WARRANTY



Long Term Performance

The battery can be charged and discharged 4000 times. With 5 years guarantee on lithium battery gives customers great satisfaction and long time life cycle.



Eco-Friendly

Using low-carbon, clean, and environmental friendly lithium battery. Lower noise, zero emission, and less vibration.



Lower Total Ownership Cost (TOC)

The purchase price is similar to a regular IC forklift. No fuel consumption cost, no maintenance fee for air filter, oil filter or engine oil changes compare to a regular IC forklift.



Multi-Scenario Usage

Adopting the IC forklift structures enable to operate indoors and outdoors, with great waterproof and dustproof performance.



Fast Charging

Fully charge only needs 2 hours, and it can be charged at any time during the day to ensure multiple shifts.



MAIN SPECIFICATIONS (STANDARD PERFORMANCE)

| General | 1 | Model | FB20-Y | FB25-Y | FB30-Y | FB35-Y | |
|----------------------------|----|----------------------------------------------------|---------|-----------------------------------------------------------|-------------------------------------------|-------------------------------------------|---------------------------|
| | 2 | Rated Load Capacity | Q(kg) | 2000 | 2500 | 3000 | 3500 |
| | 3 | Load Centre | C(mm) | 500 | 500 | 500 | 500 |
| Characteristic & Dimension | 4 | Rated Lift Height | H3(mm) | 3000 | 3000 | 3000 | 3000 |
| | 5 | Free Lift Height | H2(mm) | 100 | 100 | 100 | 100 |
| | 6 | Fork Size (LxWxT) | mm | 1070x120x40 | 1070x120x40 | 1070x125x45 | 1070x125x50 |
| | 7 | Mast Tilt Angle (F/R, α°/β°) | deg | 6°/12° | 6°/12° | 6°/12° | 6°/12° |
| | 8 | Fork Overhang (Wheel Center to Fork Face) | X1(mm) | 479 | 479 | 484 | 484 |
| | 9 | Rear Overhang | X2(mm) | 520 | 520 | 595 | 635 |
| | 10 | Ground Clearance (Bottom of Mast) | H7(mm) | 130 | 130 | 145 | 145 |
| | 11 | Length to Face of Fork (Without Fork) | L1(mm) | 2660 | 2660 | 2700 | 2775 |
| | 12 | Overall Width | B1(mm) | 1150 | 1150 | 1225 | 1225 |
| | 13 | Mast Lowered Height | H1(mm) | 2055 | 2055 | 2070 | 2070 |
| | 14 | Mast Extended Height (With Backrest) | H4(mm) | 4070 | 4070 | 4070 | 4070 |
| | 15 | Overhead Guard Height | H5(mm) | 2215 | 2215 | 2235 | 2235 |
| | 16 | Turning Radius (Outside) | Wa(mm) | 2365 | 2365 | 2425 | 2500 |
| | 17 | Min.Aisle width for pallets | Ast(mm) | 4120 | 4120 | 4180 | 4255 |
| Performance | 18 | Travel Speed (Full Load/No Load) | km/h | 11/12 | 11/12 | 11/12 | 11/12 |
| | 19 | Lifting Speed (Full Load/No Load) | mm/sec | 260/380 | 260/380 | 250/360 | 220/340 |
| | 20 | Lowering Speed (Full Load) | mm/sec | 450 | 450 | 450 | 450 |
| | 21 | Max.Gradeability (Full Load) | % | 15 | 15 | 12 | 12 |
| Chassis | 22 | Tyre (Front x 2) | mm | 7.00-12-12PR | 7.00-12-12PR | 28x9-15-12PR | 28x9-15-12PR |
| | 23 | Tyre (Rear x 2) | mm | 6.00-9-10PR | 6.00-9-10PR | 6.50-10-10PR | 6.50-10-10PR |
| | 24 | Front Tread | B2(mm) | 970 | 970 | 1000 | 1000 |
| | 25 | Rear Tread | B3(mm) | 980 | 980 | 980 | 980 |
| | 26 | Wheelbase | Y(mm) | 1650 | 1650 | 1700 | 1700 |
| | 27 | Total Weight | kg | 3385 | 3605 | 4460 | 4775 |
| Weight | 28 | Front Axle Weight Distribution (No Load/Full Load) | kg | 1354/4846 | 1442/5494 | 1784/6714 | 1910/6997 |
| | 29 | Rear Axle Weight Distribution (No Load/Full Load) | kg | 2031/538 | 2163/610 | 2676/746 | 2865/777 |
| | 30 | Battery | V/Ah | 80V/150AH option 220AH option 270AH option 350AH | 80V/175AH option 270AH option 350AH | 80V/220AH option 270AH option 350AH | 80V/270AH option 350AH |
| Power & Transmission | 31 | Drive Motor | KW | 10 | 10 | 10 | 10 |
| | 32 | Lift Motor | KW | 12 | 12 | 12 | 12 |
| | 33 | Operating Pressure (For Attachments) | Mpa | 17.5 | 17.5 | 17.5 | 17.5 |

MAIN SPECIFICATIONS (HIGH PERFORMANCE)

| General | 1 | Model | FB20-Y | FB25-Y | FB30-Y | FB35-Y | |
|----------------------------|----|----------------------------------------------------|---------|--------------|--------------|--------------|--------------|
| | 2 | Rated Load Capacity | Q(kg) | 2000 | 2500 | 3000 | 3500 |
| | 3 | Load Centre | C(mm) | 500 | 500 | 500 | 500 |
| Characteristic & Dimension | 4 | Rated Lift Height | H3(mm) | 3000 | 3000 | 3000 | 3000 |
| | 5 | Free Lift Height | H2(mm) | 100 | 100 | 100 | 100 |
| | 6 | Fork Size (LxWxT) | mm | 1070x120x40 | 1070x120x40 | 1070x125x45 | 1070x125x50 |
| | 7 | Mast Tilt Angle (F/R, α°/β°) | deg | 6°/12° | 6°/12° | 6°/12° | 6°/12° |
| | 8 | Fork Overhang (Wheel Center to Fork Face) | X1(mm) | 479 | 479 | 484 | 484 |
| | 9 | Rear Overhang | X2(mm) | 520 | 520 | 595 | 635 |
| | 10 | Ground Clearance (Bottom of Mast) | H7(mm) | 130 | 130 | 145 | 145 |
| | 11 | Length to Face of Fork (Without Fork) | L1(mm) | 2660 | 2660 | 2700 | 2775 |
| | 12 | Overall Width | B1(mm) | 1150 | 1150 | 1225 | 1225 |
| | 13 | Mast Lowered Height | H1(mm) | 2055 | 2055 | 2070 | 2070 |
| | 14 | Mast Extended Height (With Backrest) | H4(mm) | 4070 | 4070 | 4070 | 4070 |
| | 15 | Overhead Guard Height | H5(mm) | 2215 | 2215 | 2235 | 2235 |
| | 16 | Turning Radius (Outside) | Wa(mm) | 2365 | 2365 | 2425 | 2500 |
| | 17 | Min.Aisle width for pallets | Ast(mm) | 4120 | 4120 | 4180 | 4255 |
| Performance | 18 | Travel Speed (Full Load/No Load) | km/h | 17/18 | 17/18 | 15/16 | 15/16 |
| | 19 | Lifting Speed (Full Load/No Load) | mm/sec | 390/490 | 380/490 | 380/490 | 340/450 |
| | 20 | Lowering Speed (Full Load) | mm/sec | 450 | 450 | 450 | 450 |
| | 21 | Max.Gradeability (Full Load/No Load) | % | 18/20 | 18/20 | 18/20 | 18/20 |
| Chassis | 22 | Tyre (Front x 2) | mm | 7.00-12-12PR | 7.00-12-12PR | 28x9-15-12PR | 28x9-15-12PR |
| | 23 | Tyre (Rear x 2) | mm | 6.00-9-10PR | 6.00-9-10PR | 6.50-10-10PR | 6.50-10-10PR |
| | 24 | Front Tread | B2(mm) | 970 | 970 | 1000 | 1000 |
| | 25 | Rear Tread | B3(mm) | 980 | 980 | 980 | 980 |
| | 26 | Wheelbase | Y(mm) | 1650 | 1650 | 1700 | 1700 |
| | 27 | Total Weight | kg | 3550 | 3800 | 4600 | 4900 |
| Weight | 28 | Front Axle Weight Distribution (No Load/Full Load) | kg | 1354/4846 | 1442/5494 | 1784/6714 | 1910/6997 |
| | 29 | Rear Axle Weight Distribution (No Load/Full Load) | kg | 2031/538 | 2163/610 | 2676/746 | 2865/777 |
| | 30 | Battery | V/Ah | 80V/350AH | 80V/350AH | 80V/410AH | 80V/410AH |
| Power & Transmission | 31 | Drive Motor | KW | 16.6 | 16.6 | 16.6 | 16.6 |
| | 32 | Lift Motor | KW | 21 | 21 | 21 | 21 |
| | 33 | Operating Pressure (For Attachments) | Mpa | 17.5 | 17.5 | 17.5 | 17.5 |

