



**NEXEN**  
LIFT TRUCK TECHNOLOGY

**X-RANGE**

**3 & 4 WHEEL ELECTRIC**

[www.nexenlifttrucks.com](http://www.nexenlifttrucks.com)



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# PHILOSOPHY

The company ethos is to be an **Innovator, not an Imitator.**

The company strives to be the very best in the field of lift truck design by challenging the accepted boundaries of design in order to develop ever more productive and eco-friendly machines.

Nexen products are designed to handle the toughest and most demanding applications and deliver the lowest cost of ownership in the industry.





## 1 Battery

The complete range incorporates high capacity DIN-STD batteries for multiple shift operations with fast & easy side entry battery removal by pallet truck or fork truck.

## 2 Drive train

Twin drive motors offering high traction power driving dynamics. The FBXT and FBX machines feature regenerative braking giving longer battery life and much improved energy efficiency. The automatic parking brake ensures no adjustments are needed, again reducing maintenance requirements.

## 3 Energy Consumption

Innovative class leading efficiency. Delivering the most cost effective truck on the market. Working alongside Leading market tyre suppliers to design a specific Tyre for electric and hybrid trucks. Giving lower rolling resistance, lower energy consumption, reduced heat production and therefore longer life and lowest energy consumption than any other tyre in the market

## 4 Nexen Open View Mast

Visibility and Strength the newly designed mast options provide optimal vision when driving, loading & unloading. With high height capacity retention 'Open View' is simply exceptional.

## 5 Operators Cabin

Built to the highest exacting standards utilising the highest quality components which together with the signature Nexen "X" range fully floating cabin design provides exceptional operator comfort with superior ergonomics which helps alleviate driver fatigue.

## 6 LED Lights

Low power draw LED lamp outputs an amazing 1000 lumens, providing incredible brightness. The durability and long, maintenance-free life make it a reliable addition to your vehicle. With such features including front & rear working lights, side markers, direction indicators, reverse, brake & "Blue Spot" Warning Light

## 7 Service

The electric-powered "X" range series trucks like all Nexen models with ultimate ease of maintenance. Class leading accessibility to all serviceable parts, including the control panel which is removable in less than 2 minutes.

## 8 Diagnostics

Specifically designed for the logistics and warehousing sector, developed to the most advanced technology and versatility available. While the high-duty cycles allow for use in applications traditionally requiring IC equipment. The 3- & 4-wheel variants allow for a range of applications with multiple configurations. Managed electronically to significantly enhance customisation of performance and application

## 9 Steering

The 3-wheel variants for areas where maximum manoeuvring is required in cramped conditions. The 'FBXT' is the only solution.

The 4-wheel variants with increased stability over any uneven surfaces the load is absorbed safely and comfortably over both axles.

## 10 Seating

Designed with a low-profile mechanical suspension that significantly reduces vibrations, it helps you stay comfortable, no matter how rough the day gets. Fore/aft isolator - dramatically reduces horizontal vibrations and prevent jolts from jarring the back. Operator presence switch as standard. With such options as; Seat heating, multi functional armrest featuring four or five fingertip controls, six switches, and an emergency OFF button, it meets all your control needs

## 11 Cabin

To further enhance accessibility there is an optional fully tilting cabin feature.

The Nexen brand is formed with over 50-years experience in the materials handling sector, the Nexen Group has established itself as a reliable and cost effective manufacturer of high quality, innovative products for the materials handling market.

Our aim is to supply a machine fit for purpose that blends with your work flow.

When the idea of Nexen was first created our aim was to support our customers by producing a machine fit for purpose that blends with your work flow. Tough, resilient, built to precision. With British engineering, design and manufactured, resulting in the highest quality product available.

Nexen only selects the highest specification components in its commitment to provide quality and reliability to its customers, and to deliver a world-leading product from its ISO9001 production facilities.

The Nexen X-Range represents one of the lowest cost of ownership trucks in its class, giving an excellent return on investment, ensuring maximum performance from the operator and machine at all times.

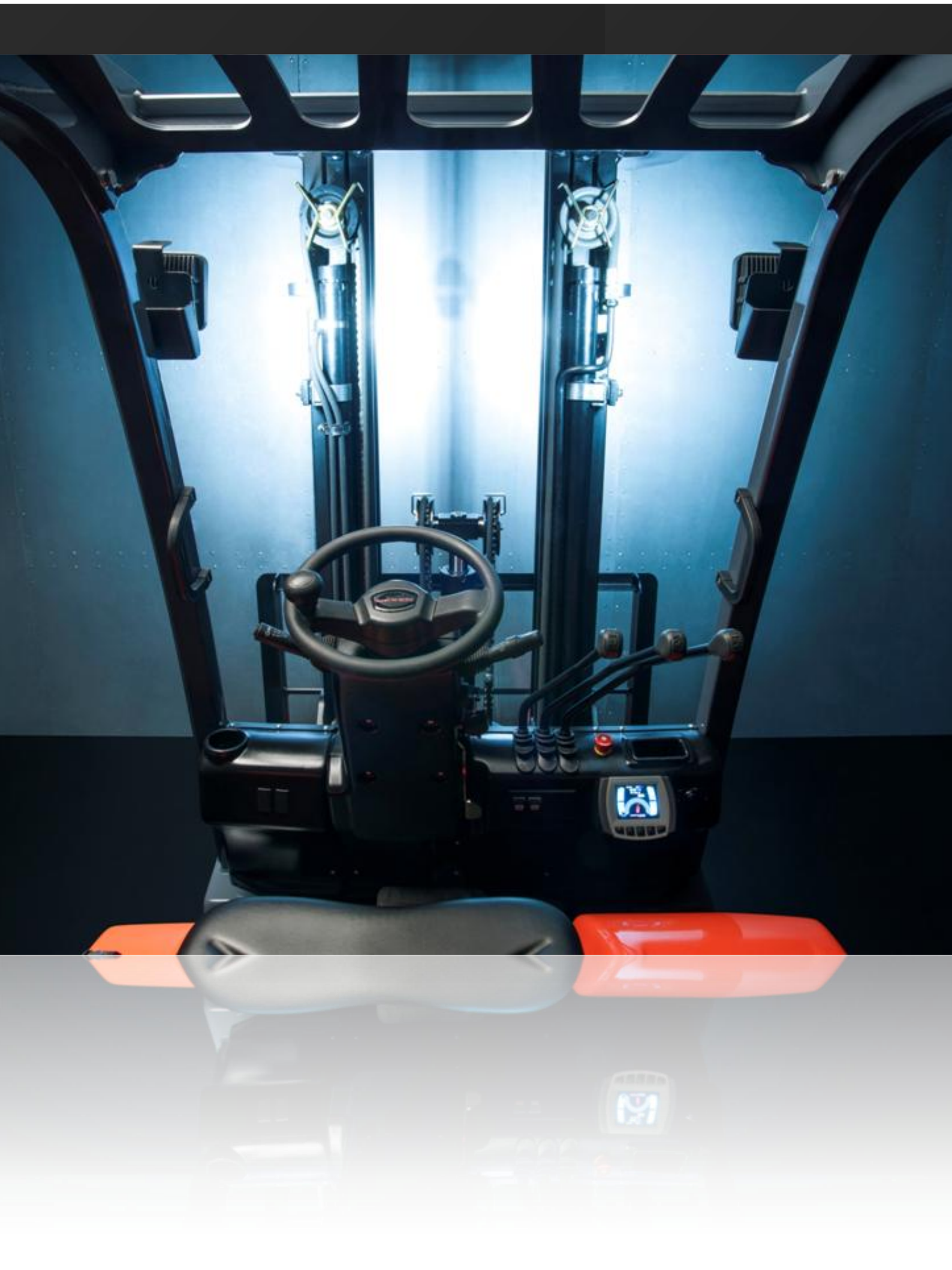
Nexen is also committed to providing unparalleled after sales support through its Dealer Network, which can offer the following services:

Rapid and fully comprehensive spare parts programme

- Standard, comprehensive or custom warranty programs
- Extensive spare parts held in Lowestoft for next day delivery
- Fully trained on-road service engineers carrying standard spares package

At Nexen, we believe that after sales is just as important as the manufacture of our lift trucks which is why we offer comprehensive service solutions including:

- Full servicing
- Repairs
- After market Spare parts





Nexen prides itself in an Industry leading research and development team. The concept is simple 'Service' is an act of help or assistance – Quality, Maintenance, Repairs, Reliability, Thorough Examination, Training and Management information. Service is exactly what you're getting with the Nexen group.

The X-Range has no comparison when it comes down to design the prime focus is accessibility for service easy and simplified access to all components.

including the control panel which is removable in less than 2 minutes. Nexen offer an industry unique service exchange programme to ensure any downtime is kept to the absolute minimum.

- Advanced protection against ingress water and other particles.
- CAN bus communication to detect faults
- High strength mast
- Informative display to aid in quick diagnostics and fault finding.
- 

To further enhance accessibility there is an optional fully tilting cabin feature. With some of the longest service intervals on the market it can not be beaten.

Integrated information is available – technical info, truck history, parts, and data for effective use.

Better safety standards including driver management. With Nexen complete safety, efficiency and cost reduction is a reality and on every truck we produce.



| <div> <div>• Standard Spec</div> <div>○ Optional Spec</div> </div>           | FBXT |    |    | FBX |    |    |
|------------------------------------------------------------------------------|------|----|----|-----|----|----|
|                                                                              | 16   | 18 | 20 | 16  | 18 | 20 |
| <b>CHASSIS</b>                                                               |      |    |    |     |    |    |
| 3 wheel                                                                      | •    | •  | •  |     |    |    |
| 4 wheel                                                                      |      |    |    | •   | •  | •  |
| Long Chassis                                                                 |      | ○  |    |     | ○  |    |
| 4.7Kw Motors                                                                 | •    | •  | •  | •   | •  | •  |
| 6.1kW Motors                                                                 | ○    | ○  | ○  | ○   | ○  | ○  |
| Electric Power Steering (E.P.S.)                                             | ○    | ○  | ○  |     |    |    |
| electric Parking Brake                                                       | ○    | ○  | ○  | ○   | ○  | ○  |
| <b>Mast</b>                                                                  |      |    |    |     |    |    |
| Wide Visibility Duplex                                                       | •    | •  | •  | •   | •  | •  |
| Wide Visibility Duplex Full-free Lift                                        | ○    | ○  | ○  | ○   | ○  | ○  |
| Open View Triplex Full-free Lift                                             | ○    | ○  | ○  | ○   | ○  | ○  |
| Hook-on Sideshift                                                            | ○    | ○  | ○  | ○   | ○  | ○  |
| Integrated Sideshift                                                         | ○    | ○  | ○  | ○   | ○  | ○  |
| Fork positioning Sideshift                                                   | ○    | ○  | ○  | ○   | ○  | ○  |
| <b>CHASSIS</b>                                                               |      |    |    |     |    |    |
| Digital LCD Multifunction Display with Wheel Indicator                       | •    | •  | •  | •   | •  | •  |
| Grammer MSG20 suspension seat, PVC                                           | •    | •  | •  | •   | •  | •  |
| Grammer MSG20 suspension seat, Fabric                                        | ○    | ○  | ○  | ○   | ○  | ○  |
| Grammer MSG65 suspension seat, PVC                                           | ○    | ○  | ○  | ○   | ○  | ○  |
| Grammer MSG65 suspension seat, Fabric                                        | ○    | ○  | ○  | ○   | ○  | ○  |
| Armrests                                                                     | ○    | ○  | ○  | ○   | ○  | ○  |
| Multi functional armrest with finger tip, forward/reverse & Emergency switch | ○    | ○  | ○  | ○   | ○  | ○  |
| Panoramic Rear View Mirror                                                   | ○    | ○  | ○  | ○   | ○  | ○  |
| Rear View Mirror Left & Right sides                                          | ○    | ○  | ○  | ○   | ○  | ○  |
| Over Head Guard Plastic Cover                                                | ○    | ○  | ○  | ○   | ○  | ○  |
| Front Windshield & Roof                                                      | ○    | ○  | ○  | ○   | ○  | ○  |
| Cabin Without Doors                                                          | ○    | ○  | ○  | ○   | ○  | ○  |
| Canvas cabin                                                                 | ○    | ○  | ○  | ○   | ○  | ○  |
| Full Steel Weather guard                                                     | ○    | ○  | ○  | ○   | ○  | ○  |
| Heater                                                                       | ○    | ○  | ○  | ○   | ○  | ○  |
| Adjustable steering                                                          | •    | •  | •  | •   | •  | •  |
| Clipboard holder                                                             | ○    | ○  | ○  | ○   | ○  | ○  |
| USB port                                                                     | ○    | ○  | ○  | ○   | ○  | ○  |
| Speed reduction while turning or travelling with load                        | •    | •  | •  | •   | •  | •  |
| <b>CHASSIS</b>                                                               |      |    |    |     |    |    |
| Headlights                                                                   | ○    | ○  | ○  | ○   | ○  | ○  |
| Full Road Lighting with indicators and work light                            | ○    | ○  | ○  | ○   | ○  | ○  |
| Rear Working Light                                                           | ○    | ○  | ○  | ○   | ○  | ○  |
| Flashing Beacon                                                              | ○    | ○  | ○  | ○   | ○  | ○  |
| Back-up Alarm                                                                | •    | •  | •  | •   | •  | •  |

|                                 |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|
| Operator Presence System (OPS)  | • | • | • | • | • | • |
| Blue Light                      | ○ | ○ | ○ | ○ | ○ | ○ |
| Anti Roll Back                  | • | • | • | • | • | • |
| Ramp Hold                       | • | • | • | • | • | • |
| Low Speed Setting               | • | • | • | • | • | • |
| <b>Battery</b>                  |   |   |   |   |   |   |
| 625ah Battery                   | • | • |   | • | • |   |
| 775ah Battery                   |   | ○ | • |   | ○ | • |
| Battery Roll Out                | ○ | ○ | ○ | ○ | ○ | ○ |
| <b>Tyre</b>                     |   |   |   |   |   |   |
| Pneumatic Tyre                  | • | • | • | • | • | • |
| Solid Residual Tyre             | ○ | ○ | ○ | ○ | ○ | ○ |
| Non-Marking Tyre                | ○ | ○ | ○ | ○ | ○ | ○ |
| Eco Advance Low Resistance Tyre | ○ | ○ | ○ | ○ | ○ | ○ |
| Wide Tread                      | ○ | ○ | ○ | ○ | ○ | ○ |
| Twin Wheel                      | ○ | ○ | ○ | ○ | ○ | ○ |



## NEXEN X-RANGE FBXT16 / FBX16

|                 |      |                                                                                                                                 | NEXEN                                                                               | NEXEN                                                                               | NEXEN                                                                               | NEXEN                                                                               |
|-----------------|------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |      |                                                                                                                                 | FBXT16                                                                              | FBXT16                                                                              | FBX16                                                                               | FBX16                                                                               |
| CHARACTERISTICS | 1.1  | Manufacturer                                                                                                                    | 3 wheel                                                                             | 3 wheel                                                                             | 4 wheel                                                                             | 4 wheel                                                                             |
|                 | 1.2  | Model designation                                                                                                               | SCHABMULLER TSA200-100-239                                                          | Schabmüller TSA200-100-038                                                          | SCHABMULLER TSA200-100-239                                                          | Schabmüller TSA200-100-038                                                          |
|                 |      | Model – Manufacturer designation                                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                 |      | Engine                                                                                                                          | ZF GP25                                                                             | ZF GP25                                                                             | ZF GP25                                                                             | ZF GP25                                                                             |
|                 |      | Transmission                                                                                                                    | Electric                                                                            | Electric                                                                            | Electric                                                                            | Electric                                                                            |
|                 | 1.3  | Drive: electric (battery or mains), diesel, petrol, fuel gas                                                                    | Seated                                                                              | Seated                                                                              | Seated                                                                              | Seated                                                                              |
|                 | 1.4  | Operation: hand, pedestrian, standing, seated, order-picker                                                                     | 1600                                                                                | 1600                                                                                | 1600                                                                                | 1600                                                                                |
|                 | 1.5  | Load capacity / rated load                                                                                                      | 500                                                                                 | 500                                                                                 | 500                                                                                 | 500                                                                                 |
|                 | 1.6  | Load centre distance                                                                                                            | 374                                                                                 | 374                                                                                 | 374                                                                                 | 374                                                                                 |
|                 | 1.8  | Load distance, centre of drive axle to fork                                                                                     | 1430                                                                                | 1430                                                                                | 1430                                                                                | 1430                                                                                |
| WEIGHTS         | 1.9  | Wheelbase                                                                                                                       | 3463                                                                                | 3473                                                                                | 3456                                                                                | 3466                                                                                |
|                 | 2.1  | Service weight                                 | 4598 / 465                                                                          | 4604 / 469                                                                          | 4592 / 464                                                                          | 4597 / 469                                                                          |
|                 | 2.2  | Axle loading, laden, front/rear                | 2021 / 1443                                                                         | 2026 / 1447                                                                         | 2015 / 1442                                                                         | 2020 / 1447                                                                         |
| WHEELS & TYRES  | 2.3  | Axle loading, unladen, front/rear              | V                                                                                   | V                                                                                   | V                                                                                   | V                                                                                   |
|                 | 3.1  | Tyres: L=pneumatic, V=solid                                                                                                     | 18-7-8 P.R.                                                                         | 18-7-8 P.R.                                                                         | 18-7-8 P.R.                                                                         | 18-7-8 P.R.                                                                         |
|                 | 3.2  | Tyre size, front                                                                                                                | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       |
|                 | 3.3  | Tyre size, rear                                                                                                                 | 2x / 2                                                                              | 2x / 2                                                                              | 2x / 2                                                                              | 2x / 2                                                                              |
|                 | 3.5  | Wheels, number front rear (X=driven wheels)                                                                                     | 900                                                                                 | 900                                                                                 | 900                                                                                 | 900                                                                                 |
| DIMENSIONS      | 3.6  | Tread, front                                                                                                                    | 200                                                                                 | 200                                                                                 | 950                                                                                 | 950                                                                                 |
|                 | 3.7  | Tread, rear                                                                                                                     | 6 / 6                                                                               | 6 / 6                                                                               | 6 / 6                                                                               | 6 / 6                                                                               |
|                 | 4.1  | Mast tilt, $\alpha$ = forward / $\beta$ = back ( base duplex mast)                                                              | 2005                                                                                | 2005                                                                                | 2005                                                                                | 2005                                                                                |
|                 | 4.2  | Height of mast, lowered                                                                                                         | 110                                                                                 | 110                                                                                 | 110                                                                                 | 110                                                                                 |
|                 | 4.3  | Free lift                                      | 3000                                                                                | 3000                                                                                | 3000                                                                                | 3000                                                                                |
|                 | 4.4  | Lift                                           | 4220                                                                                | 4220                                                                                | 4220                                                                                | 4220                                                                                |
|                 | 4.5  | Height, mast extended                         | 2072                                                                                | 2072                                                                                | 2072                                                                                | 2072                                                                                |
|                 | 4.7  | Height of overhead guard (cabin)             | 1139                                                                                | 1139                                                                                | 1139                                                                                | 1139                                                                                |
|                 | 4.8  | Seat height / stand height                   | 500                                                                                 | 500                                                                                 | 500                                                                                 | 500                                                                                 |
|                 | 4.12 | Coupling height                                                                                                                 | 3025                                                                                | 3025                                                                                | 3025                                                                                | 3025                                                                                |
|                 | 4.19 | Overall length                                                                                                                  | 2025                                                                                | 2025                                                                                | 2025                                                                                | 2025                                                                                |
|                 | 4.20 | Length to face of forks                                                                                                         | 1085                                                                                | 1085                                                                                | 1085                                                                                | 1085                                                                                |
|                 | 4.21 | Overall width, standard/wide/double                                                                                             | 35/100/1000                                                                         | 35/100/1000                                                                         | 35/100/1000                                                                         | 35/100/1000                                                                         |
|                 | 4.22 | Fork dimensions                                                                                                                 | IIA                                                                                 | IIA                                                                                 | IIA                                                                                 | IIA                                                                                 |
|                 | 4.23 | Fork carriage DIN 15173, class/type A,B                                                                                         | 920                                                                                 | 920                                                                                 | 920                                                                                 | 920                                                                                 |
|                 | 4.24 | Fork carriage width                          | 90                                                                                  | 90                                                                                  | 90                                                                                  | 90                                                                                  |
|                 | 4.31 | Ground clearance, laden, below mast                                                                                             | 103                                                                                 | 103                                                                                 | 103                                                                                 | 103                                                                                 |
|                 | 4.32 | Ground clearance, centre of wheelbase                                                                                           | 3225                                                                                | 3225                                                                                | 3244                                                                                | 3244                                                                                |
|                 | 4.33 | Aisle width for pallets 1000x1200 crossways  | 3025                                                                                | 3025                                                                                | 3044                                                                                | 3044                                                                                |
|                 | 4.34 | Aisle width for pallets 800x1200 crossways   | 1651                                                                                | 1651                                                                                | 1670                                                                                | 1670                                                                                |
| PERFORMANCE     | 4.35 | Outer turning radius                                                                                                            | 535                                                                                 | 535                                                                                 | 535                                                                                 | 535                                                                                 |
|                 | 4.36 | Inner turning radius                                                                                                            | 9.5 / 10                                                                            | 13 / 14                                                                             | 9.5 / 10                                                                            | 13 / 14                                                                             |
|                 | 5.1  | Travel speed, laden/unladen                  | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         |
|                 | 5.2  | Lift speed, laden/unladen                    | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         |
|                 | 5.3  | Lowering speed, laden/unladen                | 4400 / 4557                                                                         | 6784 / 6941                                                                         | 4400 / 4557                                                                         | 6784 / 6941                                                                         |
|                 | 5.5  | Drawbar pull, laden/unladen                  | 5593 / 5749                                                                         | 10363 / 10520                                                                       | 5593 / 5749                                                                         | 10363 / 10520                                                                       |
|                 | 5.6  | Max. drawbar pull, laden/unladen             | 8 / 13                                                                              | 13 / 20                                                                             | 8 / 13                                                                              | 13 / 20                                                                             |
| 2 ENGINE        | 5.7  | Gradeability, laden/unladen                  | 10 / 16                                                                             | 20 / 31                                                                             | 10 / 16                                                                             | 20 / 31                                                                             |
|                 | 5.8  | Max. gradeability, laden/unladen             | Hydraulic                                                                           | Hydraulic                                                                           | Hydraulic                                                                           | Hydraulic                                                                           |
|                 | 5.10 | Service brake                                                                                                                   | 2x5                                                                                 | 2x5                                                                                 | 2x5                                                                                 | 2x5                                                                                 |
|                 | 6.1  | Drive motor capacity (60 min. Short duty)                                                                                       | 4.2                                                                                 | 4.2                                                                                 | 4.2                                                                                 | 4.2                                                                                 |
|                 | 6.2  | Lift motor output at 15% duty factor                                                                                            | DIN43 531-A                                                                         | DIN43 531-A                                                                         | DIN43 531-A                                                                         | DIN43 531-A                                                                         |
|                 | 6.3  | Battery to DIN 43 531/35/36 A/B/C/no                                                                                            | 48 / 620                                                                            | 48 / 620                                                                            | 48 / 620                                                                            | 48 / 620                                                                            |
| OTHER           | 6.4  | Battery voltage/capacity at 5-hour discharge                                                                                    | 933                                                                                 | 933                                                                                 | 933                                                                                 | 933                                                                                 |
|                 | 6.5  | Battery weight                                                                                                                  | 48 / 620 / 933                                                                      | 48 / 620 / 933                                                                      | 48 / 620 / 933                                                                      | 48 / 620 / 933                                                                      |
|                 | 6.6  | Energy consumption according to VDI 60 cycle                                                                                    | Impulse/AC                                                                          | Impulse/AC                                                                          | Impulse/AC                                                                          | Impulse/AC                                                                          |
|                 | 8.1  | Type of drive control                                                                                                           | 0 - 150                                                                             | 0 - 150                                                                             | 0 - 150                                                                             | 0 - 150                                                                             |
|                 | 8.2  | Operating pressure for attachments                                                                                              | 20-40                                                                               | 20-40                                                                               | 20-40                                                                               | 20-40                                                                               |
|                 | 8.3  | Oil volume for attachments                                                                                                      |  |  |  |  |
|                 | 8.4  | Average noise level at operator's ear (Lpaz)                                                                                    | Pin                                                                                 | Pin                                                                                 | Pin                                                                                 | Pin                                                                                 |
|                 |      | Guaranteed sound power 2001/14/EC (Lwaz))                                                                                       |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                 | 8.5  | Towing coupling, type DIN                                                                                                       |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

**Specification data according to VDI 2198**

## NEXEN X-RANGE FBXT18 / FBX18

|                 |      |                                                                                                                                 | NEXEN                                                                               | NEXEN                                                                               | NEXEN                                                                               | NEXEN                                                                               |
|-----------------|------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |      |                                                                                                                                 | FBXT18                                                                              | FBXT18                                                                              | FBX18                                                                               | FBX18                                                                               |
| CHARACTERISTICS | 1.1  | Manufacturer                                                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                 | 1.2  | Model designation                                                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                 |      | Model – Manufacturer designation                                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                 |      | Engine                                                                                                                          | SCHABMULLER TSA200-100-239                                                          | Schabmüller TSA200-100-038                                                          | SCHABMULLER TSA200-100-239                                                          | Schabmüller TSA200-100-038                                                          |
|                 |      | Transmission                                                                                                                    | ZF GP25                                                                             | ZF GP25                                                                             | ZF GP25                                                                             | ZF GP25                                                                             |
|                 | 1.3  | Drive: electric (battery or mains), diesel, petrol, fuel gas                                                                    | Electric                                                                            | Electric                                                                            | Electric                                                                            | Electric                                                                            |
|                 | 1.4  | Operation: hand, pedestrian, standing, seated, order-picker                                                                     | Seated                                                                              | Seated                                                                              | Seated                                                                              | Seated                                                                              |
|                 | 1.5  | Load capacity / rated load                                                                                                      | 1800                                                                                | 1800                                                                                | 1800                                                                                | 1800                                                                                |
|                 | 1.6  | Load centre distance                                                                                                            | 500                                                                                 | 500                                                                                 | 500                                                                                 | 500                                                                                 |
|                 | 1.8  | Load distance, centre of drive axle to fork                                                                                     | 374                                                                                 | 374                                                                                 | 374                                                                                 | 374                                                                                 |
| WEIGHTS         | 1.9  | Wheelbase                                                                                                                       | 1430                                                                                | 1430                                                                                | 1430                                                                                | 1430                                                                                |
|                 | 2.1  | Service weight                                 | 3623                                                                                | 3633                                                                                | 3616                                                                                | 3626                                                                                |
|                 | 2.2  | Axle loading, laden, front/rear                | 4854 / 569                                                                          | 4859 / 574                                                                          | 4833 / 583                                                                          | 4838 / 588                                                                          |
| WHEELS & TYRES  | 2.3  | Axle loading, unladen, front/rear              | 1954 / 1669                                                                         | 1959 / 1674                                                                         | 1933 / 1683                                                                         | 1938 / 1688                                                                         |
|                 | 3.1  | Tyres: L=pneumatic, V=solid                                                                                                     | V                                                                                   | V                                                                                   | V                                                                                   | V                                                                                   |
|                 | 3.2  | Tyre size, front                                                                                                                | 200-50-10 P.R.                                                                      | 200-50-10 P.R.                                                                      | 200-50-10 P.R.                                                                      | 200-50-10 P.R.                                                                      |
|                 | 3.3  | Tyre size, rear                                                                                                                 | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       |
|                 | 3.5  | Wheels, number front rear (X=driven wheels)                                                                                     | 2x / 2                                                                              | 2x / 2                                                                              | 2x / 2                                                                              | 2x / 2                                                                              |
|                 | 3.6  | Tread, front                                                                                                                    | 920                                                                                 | 920                                                                                 | 920                                                                                 | 920                                                                                 |
|                 | 3.7  | Tread, rear                                                                                                                     | 200                                                                                 | 200                                                                                 | 950                                                                                 | 950                                                                                 |
|                 | 4.1  | Mast tilt, $\alpha$ = forward / $\beta$ = back ( base duplex mast)                                                              | 6 / 6                                                                               | 6 / 6                                                                               | 6 / 6                                                                               | 6 / 6                                                                               |
|                 | 4.2  | Height of mast, lowered                                                                                                         | 2005                                                                                | 2005                                                                                | 2005                                                                                | 2005                                                                                |
|                 | 4.3  | Free lift                                      | 110                                                                                 | 110                                                                                 | 110                                                                                 | 110                                                                                 |
| DIMENSIONS      | 4.4  | Lift                                           | 3000                                                                                | 3000                                                                                | 3000                                                                                | 3000                                                                                |
|                 | 4.5  | Height, mast extended                         | 4220                                                                                | 4220                                                                                | 4220                                                                                | 4220                                                                                |
|                 | 4.7  | Height of overhead guard (cabin)             | 2077                                                                                | 2077                                                                                | 2077                                                                                | 2077                                                                                |
|                 | 4.8  | Seat height / stand height                   | 1144                                                                                | 1144                                                                                | 1144                                                                                | 1144                                                                                |
|                 | 4.12 | Coupling height                                                                                                                 | 505                                                                                 | 505                                                                                 | 421                                                                                 | 421                                                                                 |
|                 | 4.19 | Overall length                                                                                                                  | 3026                                                                                | 3026                                                                                | 3044                                                                                | 3044                                                                                |
|                 | 4.20 | Length to face of forks                                                                                                         | 2026                                                                                | 2026                                                                                | 2044                                                                                | 2044                                                                                |
|                 | 4.21 | Overall width, standard/wide/double                                                                                             | 1123                                                                                | 1123                                                                                | 1123                                                                                | 1123                                                                                |
|                 | 4.22 | Fork dimensions                                                                                                                 | 35/100/1000                                                                         | 35/100/1000                                                                         | 35/100/1000                                                                         | 35/100/1000                                                                         |
|                 | 4.23 | Fork carriage DIN 15173, class/type A,B                                                                                         | IIA                                                                                 | IIA                                                                                 | IIA                                                                                 | IIA                                                                                 |
|                 | 4.24 | Fork carriage width                          | 920                                                                                 | 920                                                                                 | 920                                                                                 | 920                                                                                 |
|                 | 4.31 | Ground clearance, laden, below mast                                                                                             | 90                                                                                  | 90                                                                                  | 90                                                                                  | 90                                                                                  |
|                 | 4.32 | Ground clearance, centre of wheelbase                                                                                           | 108                                                                                 | 108                                                                                 | 108                                                                                 | 108                                                                                 |
|                 | 4.33 | Aisle width for pallets 1000x1200 crossways  | 3225                                                                                | 3225                                                                                | 3352                                                                                | 3352                                                                                |
|                 | 4.34 | Aisle width for pallets 800x1200 crossways   | 3025                                                                                | 3025                                                                                | 3152                                                                                | 3152                                                                                |
|                 | 4.35 | Outer turning radius                                                                                                            | 1651                                                                                | 1651                                                                                | 1778                                                                                | 1778                                                                                |
|                 | 4.36 | Inner turning radius                                                                                                            | 562                                                                                 | 562                                                                                 | 562                                                                                 | 562                                                                                 |
| PERFORMANCE     | 5.1  | Travel speed, laden/unladen                  | 10 / 11                                                                             | 14 / 14                                                                             | 10 / 11                                                                             | 14 / 14                                                                             |
|                 | 5.2  | Lift speed, laden/unladen                    | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         |
|                 | 5.3  | Lowering speed, laden/unladen                | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         |
|                 | 5.5  | Drawbar pull, laden/unladen                  | 4275 / 4452                                                                         | 6608 / 6784                                                                         | 4276 / 4453                                                                         | 6608 / 6785                                                                         |
|                 | 5.6  | Max. drawbar pull, laden/unladen             | 6609 / 6785                                                                         | 11274 / 11451                                                                       | 6609 / 6786                                                                         | 11275 / 11452                                                                       |
|                 | 5.7  | Gradeability, laden/unladen                  | 7 / 12                                                                              | 12 / 18                                                                             | 7 / 12                                                                              | 12 / 18                                                                             |
|                 | 5.8  | Max. gradeability, laden/unladen             | 12 / 18                                                                             | 21 / 33                                                                             | 12 / 18                                                                             | 21 / 33                                                                             |
| ENGINE          | 5.10 | Service brake                                                                                                                   | Hydraulic                                                                           | Hydraulic                                                                           | Hydraulic                                                                           | Hydraulic                                                                           |
|                 | 6.1  | Drive motor capacity (60 min. Short duty)                                                                                       | 2x5                                                                                 | 2x5                                                                                 | 2x5                                                                                 | 2x5                                                                                 |
|                 | 6.2  | Lift motor output at 15% duty factor                                                                                            | 4.2                                                                                 | 4.2                                                                                 | 4.2                                                                                 | 4.2                                                                                 |
|                 | 6.3  | Battery to DIN 43 531/35/36 A/B/C/no                                                                                            | DIN43 531-A                                                                         | DIN43 531-A                                                                         | DIN43 531-A                                                                         | DIN43 531-A                                                                         |
|                 | 6.4  | Battery voltage/capacity at 5-hour discharge                                                                                    | 48 / 620                                                                            | 48 / 620                                                                            | 48 / 620                                                                            | 48 / 620                                                                            |
|                 | 6.5  | Battery weight                                                                                                                  | 933                                                                                 | 933                                                                                 | 933                                                                                 | 933                                                                                 |
| OTHER           | 6.6  | Energy consumption according to VDI 60 cycle                                                                                    | 48 / 620 / 933                                                                      | 48 / 620 / 933                                                                      | 48 / 620 / 933                                                                      | 48 / 620 / 933                                                                      |
|                 | 8.1  | Type of drive control                                                                                                           | Impulse/AC                                                                          | Impulse/AC                                                                          | Impulse/AC                                                                          | Impulse/AC                                                                          |
|                 | 8.2  | Operating pressure for attachments                                                                                              | 0 - 150                                                                             | 0 - 150                                                                             | 0 - 150                                                                             | 0 - 150                                                                             |
|                 | 8.3  | Oil volume for attachments                                                                                                      | 20-40                                                                               | 20-40                                                                               | 20-40                                                                               | 20-40                                                                               |
|                 | 8.4  | Average noise level at operator's ear (Lpaz)                                                                                    |  |  |  |  |
|                 |      | Guaranteed sound power 2001/14/EC (Lwaz))                                                                                       |  |  |  |  |
|                 | 8.5  | Towing coupling, type DIN                                                                                                       | Pin                                                                                 | Pin                                                                                 | Pin                                                                                 | Pin                                                                                 |

Specification data according to VDI 2198

# NEXEN X-RANGE FBXT18 L / FBX18 L

| CHARACTERISTICS | 1.1  | Manufacturer                                                                                                                    |                      | NEXEN                                                                               | NEXEN                                                                               | NEXEN                                                                               | NEXEN                                                                               |
|-----------------|------|---------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 | 1.2  | Model designation                                                                                                               |                      | FBXT18 L                                                                            | FBXT18 L                                                                            | FBX18 L                                                                             | FBX18 L                                                                             |
|                 |      | Model – Manufacturer designation                                                                                                |                      | 3 wheel                                                                             | 3 wheel                                                                             | 4 wheel                                                                             | 4 wheel                                                                             |
|                 |      | Engine                                                                                                                          |                      | SCHABMULLER TSA200-100-239                                                          | Schabmüller TSA200-100-038                                                          | SCHABMULLER TSA200-100-239                                                          | Schabmüller TSA200-100-038                                                          |
|                 |      | Transmission                                                                                                                    |                      | ZF GP25                                                                             | ZF GP25                                                                             | ZF GP25                                                                             | ZF GP25                                                                             |
|                 | 1.3  | Drive: electric (battery or mains), diesel, petrol, fuel gas                                                                    |                      | Electric                                                                            | Electric                                                                            | Electric                                                                            | Electric                                                                            |
|                 | 1.4  | Operation: hand, pedestrian, standing, seated, order-picker                                                                     |                      | Seated                                                                              | Seated                                                                              | Seated                                                                              | Seated                                                                              |
|                 | 1.5  | Load capacity / rated load                                                                                                      | Q (kg)               | 1800                                                                                | 1800                                                                                | 1800                                                                                | 1800                                                                                |
|                 | 1.6  | Load centre distance                                                                                                            | c (mm)               | 500                                                                                 | 500                                                                                 | 500                                                                                 | 500                                                                                 |
|                 | 1.8  | Load distance, centre of drive axle to fork                                                                                     | x (mm)               | 374                                                                                 | 374                                                                                 | 374                                                                                 | 374                                                                                 |
| WEIGHTS         | 1.9  | Wheelbase                                                                                                                       | y (mm)               | 1538                                                                                | 1538                                                                                | 1538                                                                                | 1538                                                                                |
|                 | 2.1  | Service weight                                 | kg                   | 3694                                                                                | 3704                                                                                | 3726                                                                                | 3736                                                                                |
|                 | 2.2  | Axle loading, laden, front/rear                | kg                   | 4960 / 534                                                                          | 4965 / 539                                                                          | 4938 / 588                                                                          | 4943 / 593                                                                          |
| WHEELS & TYRES  | 2.3  | Axle loading, unladen, front/rear              | kg                   | 2137 / 1557                                                                         | 2142 / 1562                                                                         | 2115 / 1611                                                                         | 2120 / 1616                                                                         |
|                 | 3.1  | Tyres: L=pneumatic, V=solid                                                                                                     |                      | V                                                                                   | V                                                                                   | V                                                                                   | V                                                                                   |
|                 | 3.2  | Tyre size, front                                                                                                                |                      | 200-50-10 P.R.                                                                      | 200-50-10 P.R.                                                                      | 200-50-10 P.R.                                                                      | 200-50-10 P.R.                                                                      |
|                 | 3.3  | Tyre size, rear                                                                                                                 |                      | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       |
|                 | 3.5  | Wheels, number front rear (X=driven wheels)                                                                                     |                      | 2x / 2                                                                              | 2x / 2                                                                              | 2x / 2                                                                              | 2x / 2                                                                              |
|                 | 3.6  | Tread, front                                                                                                                    | b <sub>10</sub> (mm) | 920                                                                                 | 920                                                                                 | 920                                                                                 | 920                                                                                 |
|                 | 3.7  | Tread, rear                                                                                                                     | b <sub>11</sub> (mm) | 200                                                                                 | 200                                                                                 | 950                                                                                 | 950                                                                                 |
|                 | 4.1  | Mast tilt, α = forward / β = back ( base duplex mast)                                                                           | degrees              | 6 / 6                                                                               | 6 / 6                                                                               | 6 / 6                                                                               | 6 / 6                                                                               |
|                 | 4.2  | Height of mast, lowered                                                                                                         | h <sub>1</sub> (mm)  | 2005                                                                                | 2005                                                                                | 2005                                                                                | 2005                                                                                |
|                 | 4.3  | Free lift                                      | h <sub>2</sub> (mm)  | 110                                                                                 | 110                                                                                 | 110                                                                                 | 110                                                                                 |
| DIMENSIONS      | 4.4  | Lift                                           | h <sub>3</sub> (mm)  | 3000                                                                                | 3000                                                                                | 3000                                                                                | 3000                                                                                |
|                 | 4.5  | Height, mast extended                          | h <sub>4</sub> (mm)  | 4220                                                                                | 4220                                                                                | 4220                                                                                | 4220                                                                                |
|                 | 4.7  | Height of overhead guard (cabin)              | h <sub>6</sub> (mm)  | 2077                                                                                | 2077                                                                                | 2077                                                                                | 2077                                                                                |
|                 | 4.8  | Seat height / stand height                   | h <sub>7</sub> (mm)  | 1144                                                                                | 1144                                                                                | 1144                                                                                | 1144                                                                                |
|                 | 4.12 | Coupling height                                                                                                                 | h <sub>10</sub> (mm) | 505                                                                                 | 505                                                                                 | 421                                                                                 | 421                                                                                 |
|                 | 4.19 | Overall length                                                                                                                  | l <sub>1</sub> (mm)  | 3136                                                                                | 3136                                                                                | 3152                                                                                | 3152                                                                                |
|                 | 4.20 | Length to face of forks                                                                                                         | l <sub>2</sub> (mm)  | 2136                                                                                | 2136                                                                                | 2152                                                                                | 2152                                                                                |
|                 | 4.21 | Overall width, standard/wide/double                                                                                             | b <sub>1</sub> (mm)  | 1123                                                                                | 1123                                                                                | 1123                                                                                | 1123                                                                                |
|                 | 4.22 | Fork dimensions                                                                                                                 | s/e/l (mm)           | 35/100/1000                                                                         | 35/100/1000                                                                         | 35/100/1000                                                                         | 35/100/1000                                                                         |
|                 | 4.23 | Fork carriage DIN 15173, class/type A,B                                                                                         |                      | IIA                                                                                 | IIA                                                                                 | IIA                                                                                 | IIA                                                                                 |
|                 | 4.24 | Fork carriage width                          | b <sub>3</sub> (mm)  | 920                                                                                 | 920                                                                                 | 920                                                                                 | 920                                                                                 |
|                 | 4.31 | Ground clearance, laden, below mast                                                                                             | m <sub>1</sub> (mm)  | 90                                                                                  | 90                                                                                  | 90                                                                                  | 90                                                                                  |
|                 | 4.32 | Ground clearance, centre of wheelbase                                                                                           | m <sub>2</sub> (mm)  | 108                                                                                 | 108                                                                                 | 108                                                                                 | 108                                                                                 |
|                 | 4.33 | Aisle width for pallets 1000x1200 crossways  | Ast (mm)             | 3225                                                                                | 3225                                                                                | 3352                                                                                | 3352                                                                                |
|                 | 4.34 | Aisle width for pallets 800x1200 crossways   | Ast (mm)             | 3025                                                                                | 3025                                                                                | 3152                                                                                | 3152                                                                                |
|                 | 4.35 | Outer turning radius                                                                                                            | W <sub>a</sub> (mm)  | 1651                                                                                | 1651                                                                                | 1778                                                                                | 1778                                                                                |
|                 | 4.36 | Inner turning radius                                                                                                            | b <sub>13</sub> (mm) | 562                                                                                 | 562                                                                                 | 562                                                                                 | 562                                                                                 |
| PERFORMANCE     | 5.1  | Travel speed, laden/unladen                  | km/h                 | 10 / 11                                                                             | 14 / 14                                                                             | 10 / 11                                                                             | 14 / 14                                                                             |
|                 | 5.2  | Lift speed, laden/unladen                    | m/sec                | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         |
|                 | 5.3  | Lowering speed, laden/unladen                | m/sec                | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         |
|                 | 5.5  | Drawbar pull, laden/unladen                  | N                    | 4256 / 4432                                                                         | 6588 / 6765                                                                         | 4256 / 4433                                                                         | 6589 / 6765                                                                         |
|                 | 5.6  | Max. drawbar pull, laden/unladen             | N                    | 6589 / 6766                                                                         | 11255/ 11431                                                                        | 6590 / 6766                                                                         | 11255/ 1432                                                                         |
|                 | 5.7  | Gradeability, laden/unladen                  | %                    | 7 / 11                                                                              | 11 / 18                                                                             | 7 / 11                                                                              | 11 / 18                                                                             |
|                 | 5.8  | Max. gradeability, laden/unladen             | %                    | 11 / 18                                                                             | 20 / 32                                                                             | 11 / 18                                                                             | 20 / 32                                                                             |
| ENGINE          | 5.10 | Service brake                                                                                                                   |                      | Hydraulic                                                                           | Hydraulic                                                                           | Hydraulic                                                                           | Hydraulic                                                                           |
|                 | 6.1  | Drive motor capacity (60 min. Short duty)                                                                                       | kW                   | 2x5                                                                                 | 2x5                                                                                 | 2x5                                                                                 | 2x5                                                                                 |
|                 | 6.2  | Lift motor output at 15% duty factor                                                                                            | kW                   | 4.2                                                                                 | 4.2                                                                                 | 4.2                                                                                 | 4.2                                                                                 |
|                 | 6.3  | Battery to DIN 43 531/35/36 A/B/C/no                                                                                            | (mm)                 | DIN43 531-A                                                                         | DIN43 531-A                                                                         | DIN43 531-A                                                                         | DIN43 531-A                                                                         |
|                 | 6.4  | Battery voltage/capacity at 5-hour discharge                                                                                    | V/Ah                 | 48/775                                                                              | 48/775                                                                              | 48/775                                                                              | 48/775                                                                              |
|                 | 6.5  | Battery weight                                                                                                                  | kg                   | 1118                                                                                | 1118                                                                                | 1118                                                                                | 1118                                                                                |
| OTHER           | 6.6  | Energy consumption according to VDI 60 cycle                                                                                    | kWh/h                | 48/775 / 1118                                                                       | 48/775 / 1118                                                                       | 48/775 / 1118                                                                       | 48/775 / 1118                                                                       |
|                 | 8.1  | Type of drive control                                                                                                           |                      | Impulse/AC                                                                          | Impulse/AC                                                                          | Impulse/AC                                                                          | Impulse/AC                                                                          |
|                 | 8.2  | Operating pressure for attachments                                                                                              | bar                  | 0 - 150                                                                             | 0 - 150                                                                             | 0 - 150                                                                             | 0 - 150                                                                             |
|                 | 8.3  | Oil volume for attachments                                                                                                      | l/min                | 20-40                                                                               | 20-40                                                                               | 20-40                                                                               | 20-40                                                                               |
|                 | 8.4  | Average noise level at operator's ear (Lpaz)                                                                                    | dB (A)               |  |  |  |  |
|                 |      | Guaranteed sound power 2001/14/EC (Lwaz))                                                                                       | dB                   |  |  |  |  |
|                 | 8.5  | Towing coupling, type DIN                                                                                                       |                      | Pin                                                                                 | Pin                                                                                 | Pin                                                                                 | Pin                                                                                 |

Specification data according to VDI 2198

**NEXEN X-RANGE FBXT20 / FBX20**

| CHARACTERISTICS   | 1.1  | Manufacturer                                                                                                                    |                      | NEXEN                                                                               | NEXEN                                                                               | NEXEN                                                                               | NEXEN                                                                               |
|-------------------|------|---------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                   | 1.2  | Model designation                                                                                                               |                      | FBXT20                                                                              | FBXT20                                                                              | FBX20                                                                               | FBX20                                                                               |
|                   |      | Model – Manufacturer designation                                                                                                |                      | 3wheel                                                                              | 3wheel                                                                              | 4wheel                                                                              | 4wheel                                                                              |
|                   |      | Engine                                                                                                                          |                      | SCHABMUL<br>LER<br>TSA200-100-<br>239                                               | Schabmuller<br>TSA200-100-<br>038                                                   | SCHABMUL<br>LER<br>TSA200-100-<br>239                                               | Schabmuller<br>TSA200-100-<br>038                                                   |
| WEIG<br>HTS       |      | Transmission                                                                                                                    |                      | ZF GP25                                                                             | ZF GP25                                                                             | ZF GP25                                                                             | ZF GP25                                                                             |
|                   | 1.3  | Drive: electric (battery or mains), diesel, petrol, fuel gas                                                                    |                      | Electric                                                                            | Electric                                                                            | Electric                                                                            | Electric                                                                            |
|                   | 1.4  | Operation: hand, pedestrian, standing, seated, order-picker                                                                     |                      | Seated                                                                              | Seated                                                                              | Seated                                                                              | Seated                                                                              |
|                   | 1.5  | Load capacity / rated load                                                                                                      | Q (kg)               | 2000                                                                                | 2000                                                                                | 2000                                                                                | 2000                                                                                |
|                   | 1.6  | Load centre distance                                                                                                            | c (mm)               | 500                                                                                 | 500                                                                                 | 500                                                                                 | 500                                                                                 |
|                   | 1.8  | Load distance, centre of drive axle to fork                                                                                     | x (mm)               | 374                                                                                 | 374                                                                                 | 374                                                                                 | 374                                                                                 |
|                   | 1.9  | Wheelbase                                                                                                                       | y (mm)               | 1538                                                                                | 1538                                                                                | 1538                                                                                | 1538                                                                                |
|                   | 2.1  | Service weight                                 | kg                   | 3820                                                                                | 3830                                                                                | 3854                                                                                | 3864                                                                                |
|                   | 2.2  | Axle loading, laden, front/rear                | kg                   | 5224 / 596                                                                          | 5229 / 601                                                                          | 5197 / 657                                                                          | 5202 / 662                                                                          |
| WHEELS &<br>TYRES | 2.3  | Axle loading, unladen, front/rear              | kg                   | 2087 / 1733                                                                         | 2092 / 1738                                                                         | 2060 / 1794                                                                         | 2065 / 1799                                                                         |
|                   | 3.1  | Tyres: L=pneumatic, V=solid                                                                                                     |                      | V                                                                                   | V                                                                                   | V                                                                                   | V                                                                                   |
|                   | 3.2  | Tyre size, front                                                                                                                |                      | 200-50-10 P.R.                                                                      | 200-50-10 P.R.                                                                      | 200-50-10 P.R.                                                                      | 200-50-10 P.R.                                                                      |
|                   | 3.3  | Tyre size, rear                                                                                                                 |                      | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       | 15-4.5-8 P.R.                                                                       |
|                   | 3.5  | Wheels, number front rear (X=driven wheels)                                                                                     |                      | 2x / 2                                                                              | 2x / 2                                                                              | 2x / 2                                                                              | 2x / 2                                                                              |
|                   | 3.6  | Tread, front                                                                                                                    | b <sub>10</sub> (mm) | 920                                                                                 | 920                                                                                 | 920                                                                                 | 920                                                                                 |
|                   | 3.7  | Tread, rear                                                                                                                     | b <sub>11</sub> (mm) | 200                                                                                 | 200                                                                                 | 950                                                                                 | 950                                                                                 |
|                   | 4.1  | Mast tilt, α = forward / β = back ( base duplex mast)                                                                           | degrees              | 6 / 6                                                                               | 6 / 6                                                                               | 6 / 6                                                                               | 6 / 6                                                                               |
|                   | 4.2  | Height of mast, lowered                                                                                                         | h <sub>1</sub> (mm)  | 2005                                                                                | 2005                                                                                | 2005                                                                                | 2005                                                                                |
| DIMENSIONS        | 4.3  | Free lift                                      | h <sub>2</sub> (mm)  | 110                                                                                 | 110                                                                                 | 110                                                                                 | 110                                                                                 |
|                   | 4.4  | Lift                                          | h <sub>3</sub> (mm)  | 3000                                                                                | 3000                                                                                | 3000                                                                                | 3000                                                                                |
|                   | 4.5  | Height, mast extended                        | h <sub>4</sub> (mm)  | 4220                                                                                | 4220                                                                                | 4220                                                                                | 4220                                                                                |
|                   | 4.7  | Height of overhead guard (cabin)             | h <sub>6</sub> (mm)  | 2077                                                                                | 2077                                                                                | 2077                                                                                | 2077                                                                                |
|                   | 4.8  | Seat height / stand height                   | h <sub>7</sub> (mm)  | 1144                                                                                | 1144                                                                                | 1144                                                                                | 1144                                                                                |
|                   | 4.12 | Coupling height                                                                                                                 | h <sub>10</sub> (mm) | 505                                                                                 | 505                                                                                 | 421                                                                                 | 421                                                                                 |
|                   | 4.19 | Overall length                                                                                                                  | l <sub>1</sub> (mm)  | 3136                                                                                | 3136                                                                                | 3152                                                                                | 3152                                                                                |
|                   | 4.20 | Length to face of forks                                                                                                         | l <sub>2</sub> (mm)  | 2136                                                                                | 2136                                                                                | 2152                                                                                | 2152                                                                                |
|                   | 4.21 | Overall width, standard/wide/double                                                                                             | b <sub>1</sub> (mm)  | 1070                                                                                | 1070                                                                                | 1070                                                                                | 1070                                                                                |
|                   | 4.22 | Fork dimensions                                                                                                                 | s/e/l (mm)           | 35/100/1000                                                                         | 35/100/1000                                                                         | 35/100/1000                                                                         | 35/100/1000                                                                         |
|                   | 4.23 | Fork carriage DIN 15173, class/type A,B                                                                                         |                      | IIA                                                                                 | IIA                                                                                 | IIA                                                                                 | IIA                                                                                 |
|                   | 4.24 | Fork carriage width                          | b <sub>3</sub> (mm)  | 920                                                                                 | 920                                                                                 | 920                                                                                 | 920                                                                                 |
|                   | 4.31 | Ground clearance, laden, below mast                                                                                             | m <sub>1</sub> (mm)  | 90                                                                                  | 90                                                                                  | 90                                                                                  | 90                                                                                  |
|                   | 4.32 | Ground clearance, centre of wheelbase                                                                                           | m <sub>2</sub> (mm)  | 108                                                                                 | 108                                                                                 | 108                                                                                 | 108                                                                                 |
|                   | 4.33 | Aisle width for pallets 1000x1200 crossways  | A <sub>st</sub> (mm) | 3225                                                                                | 3225                                                                                | 3352                                                                                | 3352                                                                                |
|                   | 4.34 | Aisle width for pallets 800x1200 crossways   | A <sub>st</sub> (mm) | 3025                                                                                | 3025                                                                                | 3152                                                                                | 3152                                                                                |
|                   | 4.35 | Outer turning radius                                                                                                            | W <sub>a</sub> (mm)  | 1651                                                                                | 1651                                                                                | 1778                                                                                | 1778                                                                                |
|                   | 4.36 | Inner turning radius                                                                                                            | b <sub>13</sub> (mm) | 562                                                                                 | 562                                                                                 | 562                                                                                 | 562                                                                                 |
| PERFORMANCE       | 5.1  | Travel speed, laden/unladen                  | km/h                 | 10 / 11                                                                             | 14 / 14                                                                             | 10 / 11                                                                             | 14 / 14                                                                             |
|                   | 5.2  | Lift speed, laden/unladen                    | m/sec                | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         | 0.64 / 0.72                                                                         |
|                   | 5.3  | Lowering speed, laden/unladen                | m/sec                | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         | 0.51 / 0.47                                                                         |
|                   | 5.5  | Drawbar pull, laden/unladen                  | N                    | 4236 / 4432                                                                         | 6569 / 6765                                                                         | 4237 / 4433                                                                         | 6569 / 6765                                                                         |
|                   | 5.6  | Max. drawbar pull, laden/unladen             | N                    | 6570 / 6766                                                                         | 13569 / 13765                                                                       | 6570 / 6766                                                                         | 13569 / 13765                                                                       |
|                   | 5.7  | Gradeability, laden/unladen                  | %                    | 7 / 10                                                                              | 11 / 17                                                                             | 7 / 10                                                                              | 11 / 17                                                                             |
|                   | 5.8  | Max. gradeability, laden/unladen             | %                    | 11 / 17                                                                             | 23 / 38                                                                             | 11 / 17                                                                             | 23 / 38                                                                             |
|                   | 5.10 | Service brake                                                                                                                   |                      | Hydraulic                                                                           | Hydraulic                                                                           | Hydraulic                                                                           | Hydraulic                                                                           |
| ENGINE            | 6.1  | Drive motor capacity (60 min. Short duty)                                                                                       | kW                   | 2x5                                                                                 | 2x5                                                                                 | 2x5                                                                                 | 2x5                                                                                 |
|                   | 6.2  | Lift motor output at 15% duty factor                                                                                            | kW                   | 4.2                                                                                 | 4.2                                                                                 | 4.2                                                                                 | 4.2                                                                                 |
|                   | 6.3  | Battery to DIN 43 531/35/36 A/B/C/no                                                                                            | (mm)                 | DIN43 531-A                                                                         | DIN43 531-A                                                                         | DIN43 531-A                                                                         | DIN43 531-A                                                                         |
|                   | 6.4  | Battery voltage/capacity at 5-hour discharge                                                                                    | V/Ah                 | 48 / 775                                                                            | 48 / 775                                                                            | 48 / 775                                                                            | 48 / 775                                                                            |
|                   | 6.5  | Battery weight                                                                                                                  | kg                   | 1118                                                                                | 1118                                                                                | 1118                                                                                | 1118                                                                                |
|                   | 6.6  | Energy consumption according to VDI 60 cycle                                                                                    | kWh/h                | 48 / 775 / 1118                                                                     | 48 / 775 / 1118                                                                     | 48 / 775 / 1118                                                                     | 48 / 775 / 1118                                                                     |
| OTHER             | 8.1  | Type of drive control                                                                                                           |                      | Impulse/AC                                                                          | Impulse/AC                                                                          | Impulse/AC                                                                          | Impulse/AC                                                                          |
|                   | 8.2  | Operating pressure for attachments                                                                                              | bar                  | 0 - 150                                                                             | 0 - 150                                                                             | 0 - 150                                                                             | 0 - 150                                                                             |
|                   | 8.3  | Oil volume for attachments                                                                                                      | l/min                | 20-40                                                                               | 20-40                                                                               | 20-40                                                                               | 20-40                                                                               |
|                   | 8.4  | Average noise level at operator's ear (Lpaz)                                                                                    | dB (A)               |  |  |  |  |
|                   |      | Guaranteed sound power 2001/14/EC (Lwaz))                                                                                       | dB                   |  |  |  |  |
|                   | 8.5  | Towing coupling, type DIN                                                                                                       |                      | Pin                                                                                 | Pin                                                                                 | Pin                                                                                 | Pin                                                                                 |

**Specification data according to VDI 2198**

## X-RANGE MASTS: MAST AND CAPACITY INFORMATION

All values below correspond to standard equipment. Please contact your Nexen local dealer if mounting any non-standard equipment.

| Type                        | Max fork height, mm | Masts FBX/FBXT16-20 |          |               |               |     |
|-----------------------------|---------------------|---------------------|----------|---------------|---------------|-----|
|                             |                     | Overall heights, mm |          | Free lift, mm | Tilt range, ° |     |
|                             |                     | Lowered             | Extended |               | FWD           | BWD |
| DU: 2stage - simplex        | 3000                | 2005                | 4220     | 110           | 6             | 6   |
|                             | 3300                | 2155                | 4520     | 110           | 6             | 6   |
|                             | 3500                | 2230                | 4720     | 110           | 6             | 6   |
|                             | 4000                | 2570                | 5220     | 110           | 6             | 6   |
|                             | 4500                | 2820                | 5720     | 110           | 6             | 6   |
| DF: 2stage full FL - duplex | 3000                | 2155                | 4520     | 833.3         | 6             | 6   |
|                             | 3500                | 2230                | 4720     | 870.8         | 6             | 6   |
|                             | 4000                | 2570                | 5220     | 1040.8        | 6             | 6   |
| TF: 3stage - triplex        | 4500                | 2040                | 5720     | 775.8         | 6             | 6   |
|                             | 4800                | 2155                | 6020     | 833.3         | 6             | 6   |
|                             | 5000                | 2230                | 6220     | 870.8         | 6             | 6   |
|                             | 5500                | 2380                | 6720     | 945.8         | 6             | 6   |
|                             | 6000                | 2570                | 7220     | 1040.8        | 6             | 6   |
|                             | 6500                | 2820                | 7720     | 1165.8        | 6             | 6   |
|                             | 7000                | 3070                | 8220     | 1290.8        | 6             | 6   |

CAPACITY CHART IN KG FOR SINGLE TYRES AT **500MM** LOAD CENTRE – CALCULATED VALUES

| Type                        | Max fork height, mm | Pneumatic Tyres   |       |                         |       |                        |       | Pneumatic Shaped Solid Tyres |       |                         |       |                        |       |
|-----------------------------|---------------------|-------------------|-------|-------------------------|-------|------------------------|-------|------------------------------|-------|-------------------------|-------|------------------------|-------|
|                             |                     | Without sideshift |       | With integral sideshift |       | With hook on sideshift |       | Without sideshift            |       | With integral sideshift |       | With hook on sideshift |       |
|                             |                     | FBXT16            | FBX16 | FBXT16                  | FBX16 | FBXT16                 | FBX16 | FBXT16                       | FBX16 | FBXT16                  | FBX16 | FBXT16                 | FBX16 |
| DU: 2stage - simplex        | 3000                | 1600              | 1600  | 1600                    | 1600  | 1600                   | 1600  | 1600                         | 1600  | 1600                    | 1600  | 1600                   | 1600  |
|                             | 3300                | 1600              | 1600  | 1600                    | 1600  | 1570                   | 1568  | 1600                         | 1600  | 1600                    | 1600  | 1600                   | 1600  |
|                             | 3500                | 1583              | 1583  | 1556                    | 1556  | 1513                   | 1513  | 1600                         | 1600  | 1600                    | 1600  | 1600                   | 1600  |
|                             | 4000                | 1435              | 1435  | 1412                    | 1412  | 1374                   | 1374  | 1536                         | 1536  | 1511                    | 1510  | 1469                   | 1469  |
|                             | 4500                | 1289              | 1289  | 1270                    | 1269  | 1238                   | 1237  | 1394                         | 1394  | 1372                    | 1371  | 1335                   | 1335  |
| DF: 2stage full FL - duplex | 3000                | 1146              | 1144  | 1128                    | 1128  | 1101                   | 1101  | 1253                         | 1253  | 1233                    | 1233  | 1202                   | 1202  |
|                             | 3300                | 1542              | 1542  | 1515                    | 1515  | 1473                   | 1473  | 1600                         | 1600  | 1600                    | 1600  | 1557                   | 1557  |
|                             | 3500                | 1489              | 1489  | 1463                    | 1463  | 1423                   | 1422  | 1583                         | 1583  | 1555                    | 1555  | 1510                   | 1510  |
| TF: 3stage - triplex        | 4000                | 1329              | 1328  | 1306                    | 1306  | 1272                   | 1272  | 1427                         | 1427  | 1403                    | 1403  | 1364                   | 1364  |
|                             | 4500                | 1313              | 1312  | 1292                    | 1292  | 1259                   | 1259  | 1416                         | 1416  | 1393                    | 1393  | 1355                   | 1355  |
|                             | 4800                | 1230              | 1230  | 1211                    | 1211  | 1181                   | 1181  | 1335                         | 1335  | 1314                    | 1314  | 1280                   | 1280  |
|                             | 5000                | 1180              | 1180  | 1162                    | 1162  | 1134                   | 1134  | 1286                         | 1286  | 1267                    | 1267  | 1234                   | 1233  |
|                             | 5500                | 1083              | 1083  | 1068                    | 1068  | 1043                   | 1043  | 1192                         | 1191  | 1173                    | 1173  | 1144                   | 1144  |
|                             | 6000                | 996               | 996   | 982                     | 981   | 959                    | 959   | 1103                         | 1103  | 1088                    | 1088  | 1061                   | 1061  |
|                             | 6500                | 795               | 795   | 785                     | 785   | 768                    | 768   | 894                          | 894   | 881                     | 881   | 862                    | 861   |
|                             | 7000                | 593               | 593   | 586                     | 586   | 575                    | 575   | 682                          | 682   | 673                     | 673   | 659                    | 659   |

CAPACITY CHART IN KG FOR WIDE TREAD TYRES AT **500MM** LOAD CENTRE – CALCULATED VALUES

| Type                        | Max fork height, mm | Pneumatic Wide Tread Tyres |       |                         |       |                        |       | Pneumatic Shaped Solid Wide Tread Tyres |       |                         |       |                        |       |
|-----------------------------|---------------------|----------------------------|-------|-------------------------|-------|------------------------|-------|-----------------------------------------|-------|-------------------------|-------|------------------------|-------|
|                             |                     | Without sideshift          |       | With integral sideshift |       | With hook on sideshift |       | Without sideshift                       |       | With integral sideshift |       | With hook on sideshift |       |
|                             |                     | FBXT16                     | FBX16 | FBXT16                  | FBX16 | FBXT16                 | FBX16 | FBXT16                                  | FBX16 | FBXT16                  | FBX16 | FBXT16                 | FBX16 |
| DU: 2stage – simplex        | 3000                | 1600                       | 1600  | 1600                    | 1600  | 1600                   | 1600  | 1600                                    | 1600  | 1600                    | 1600  | 1600                   | 1600  |
|                             | 3300                | 1600                       | 1600  | 1600                    | 1600  | 1600                   | 1600  | 1600                                    | 1600  | 1600                    | 1600  | 1600                   | 1600  |
|                             | 3500                | 1600                       | 1600  | 1600                    | 1600  | 1563                   | 1562  | 1600                                    | 1600  | 1600                    | 1600  | 1600                   | 1600  |
|                             | 4000                | 1491                       | 1491  | 1466                    | 1466  | 1426                   | 1426  | 1560                                    | 1558  | 1533                    | 1532  | 1490                   | 1490  |
|                             | 4500                | 1346                       | 1346  | 1325                    | 1325  | 1291                   | 1291  | 1417                                    | 1417  | 1394                    | 1394  | 1358                   | 1356  |
|                             | 5000                | 1204                       | 1204  | 1185                    | 1185  | 1157                   | 1157  | 1278                                    | 1278  | 1258                    | 1257  | 1224                   | 1224  |
| DF: 2stage full FL - duplex | 3300                | 1593                       | 1592  | 1564                    | 1564  | 1520                   | 1520  | 1600                                    | 1600  | 1600                    | 1600  | 1576                   | 1576  |
|                             | 3500                | 1541                       | 1541  | 1514                    | 1513  | 1471                   | 1471  | 1600                                    | 1600  | 1575                    | 1575  | 1530                   | 1530  |
|                             | 4000                | 1383                       | 1383  | 1360                    | 1360  | 1323                   | 1323  | 1450                                    | 1450  | 1425                    | 1425  | 1385                   | 1385  |
| TF: 3stage - triplex        | 4500                | 1370                       | 1370  | 1348                    | 1348  | 1312                   | 1312  | 1440                                    | 1440  | 1416                    | 1415  | 1378                   | 1378  |
|                             | 4800                | 1288                       | 1288  | 1268                    | 1268  | 1235                   | 1234  | 1360                                    | 1360  | 1338                    | 1338  | 1302                   | 1302  |
|                             | 5000                | 1239                       | 1239  | 1220                    | 1220  | 1189                   | 1189  | 1311                                    | 1311  | 1290                    | 1290  | 1257                   | 1257  |
|                             | 5500                | 1143                       | 1142  | 1126                    | 1126  | 1099                   | 1099  | 1217                                    | 1215  | 1198                    | 1198  | 1168                   | 1167  |
|                             | 6000                | 1055                       | 1055  | 1040                    | 1040  | 1016                   | 1016  | 1129                                    | 1128  | 1112                    | 1111  | 1084                   | 1084  |
|                             | 6500                | 849                        | 848   | 838                     | 838   | 820                    | 819   | 916                                     | 916   | 904                     | 904   | 884                    | 884   |
|                             | 7000                | 642                        | 642   | 634                     | 634   | 622                    | 622   | 702                                     | 702   | 693                     | 693   | 678                    | 678   |

CAPACITY CHART IN KG FOR SINGLE TYRES AT **500MM** LOAD CENTRE – CALCULATED VALUES

| Type                        | Max fork height, mm | Pneumatic Tyres   |       |          |         |                         |       |          |         |                        |       |          |         | Pneumatic Shaped Solid Tyres |       |          |         |                         |       |          |         |                        |       |          |         |
|-----------------------------|---------------------|-------------------|-------|----------|---------|-------------------------|-------|----------|---------|------------------------|-------|----------|---------|------------------------------|-------|----------|---------|-------------------------|-------|----------|---------|------------------------|-------|----------|---------|
|                             |                     | Without sideshift |       |          |         | With integral sideshift |       |          |         | With hook on sideshift |       |          |         | Without sideshift            |       |          |         | With integral sideshift |       |          |         | With hook on sideshift |       |          |         |
|                             |                     | FBXT18            | FBX18 | FBXT18 L | FBX18 L | FBXT18                  | FBX18 | FBXT18 L | FBX18 L | FBXT18                 | FBX18 | FBXT18 L | FBX18 L | FBXT18                       | FBX18 | FBXT18 L | FBX18 L | FBXT18                  | FBX18 | FBXT18 L | FBX18 L | FBXT18                 | FBX18 | FBXT18 L | FBX18 L |
| DU: 2stage – simplex        | 3000                | 1800              | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    | 1800                         | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    |
|                             | 3300                | 1800              | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    | 1800                         | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    |
|                             | 3500                | 1800              | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1759     | 1787    | 1800                         | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    |
|                             | 4000                | 1723              | 1735  | 1691     | 1717    | 1695                    | 1706  | 1663     | 1689    | 1649                   | 1662  | 1618     | 1644    | 1800                         | 1800  | 1797     | 1800    | 1800                    | 1800  | 1766     | 1794    | 1756                   | 1768  | 1717     | 1744    |
|                             | 4500                | 1564              | 1575  | 1543     | 1568    | 1540                    | 1551  | 1520     | 1544    | 1501                   | 1512  | 1481     | 1505    | 1683                         | 1695  | 1653     | 1679    | 1656                    | 1667  | 1626     | 1652    | 1612                   | 1623  | 1583     | 1608    |
|                             | 5000                | 1407              | 1419  | 1400     | 1424    | 1388                    | 1397  | 1379     | 1403    | 1353                   | 1364  | 1345     | 1369    | 1530                         | 1542  | 1511     | 1536    | 1506                    | 1517  | 1487     | 1513    | 1467                   | 1479  | 1450     | 1474    |
| DF: 2stage full FL - duplex | 3300                | 1800              | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1764                   | 1777  | 1800     | 1800    | 1800                         | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    |
|                             | 3500                | 1789              | 1800  | 1800     | 1800    | 1758                    | 1772  | 1775     | 1800    | 1711                   | 1723  | 1726     | 1753    | 1800                         | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    |
|                             | 4000                | 1616              | 1627  | 1653     | 1679    | 1590                    | 1602  | 1626     | 1653    | 1547                   | 1560  | 1584     | 1610    | 1729                         | 1742  | 1759     | 1788    | 1699                    | 1712  | 1729     | 1757    | 1653                   | 1665  | 1682     | 1708    |
| TF: 3stage - triplex        | 4500                | 1591              | 1602  | 1496     | 1522    | 1565                    | 1577  | 1473     | 1499    | 1525                   | 1536  | 1435     | 1460    | 1708                         | 1721  | 1608     | 1635    | 1681                    | 1693  | 1582     | 1608    | 1635                   | 1647  | 1540     | 1565    |
|                             | 4800                | 1501              | 1512  | 1406     | 1432    | 1477                    | 1489  | 1385     | 1410    | 1441                   | 1452  | 1351     | 1374    | 1621                         | 1633  | 1521     | 1547    | 1595                    | 1606  | 1496     | 1522    | 1553                   | 1564  | 1456     | 1482    |
|                             | 5000                | 1446              | 1457  | 1353     | 1378    | 1425                    | 1436  | 1333     | 1358    | 1390                   | 1401  | 1300     | 1324    | 1567                         | 1580  | 1467     | 1494    | 1543                    | 1555  | 1444     | 1471    | 1503                   | 1514  | 1407     | 1432    |
|                             | 5500                | 1339              | 1350  | 1249     | 1273    | 1320                    | 1331  | 1231     | 1254    | 1289                   | 1299  | 1202     | 1225    | 1462                         | 1473  | 1365     | 1390    | 1440                    | 1451  | 1344     | 1369    | 1403                   | 1414  | 1311     | 1335    |
|                             | 6000                | 1240              | 1251  | 1154     | 1178    | 1223                    | 1233  | 1139     | 1161    | 1195                   | 1205  | 1113     | 1134    | 1363                         | 1374  | 1271     | 1295    | 1343                    | 1354  | 1252     | 1275    | 1311                   | 1322  | 1222     | 1245    |
|                             | 6500                | 1019              | 1028  | 940      | 960     | 1006                    | 1016  | 928      | 948     | 986                    | 995   | 909      | 929     | 1131                         | 1141  | 1046     | 1068    | 1116                    | 1126  | 1031     | 1053    | 1091                   | 1101  | 1009     | 1030    |
|                             | 7000                | 797               | 806   | 725      | 744     | 788                     | 797   | 717      | 736     | 773                    | 781   | 704      | 722     | 897                          | 906   | 819      | 839     | 886                     | 895   | 809      | 829     | 868                    | 877   | 793      | 813     |

CAPACITY CHART IN KG FOR WIDE TREAD TYRES AT **500MM** LOAD CENTRE – CALCULATED VALUES

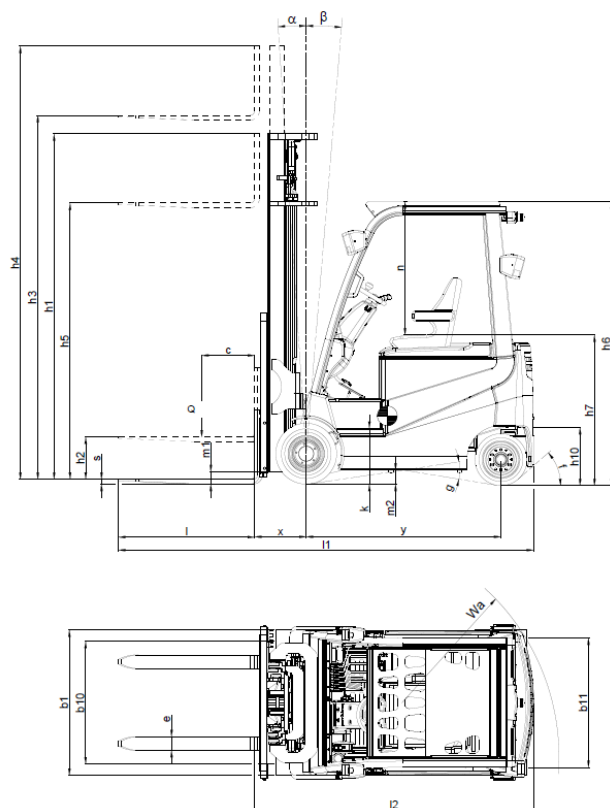
| Type                        | Max fork height, mm | Pneumatic Tyres   |       |          |         |                         |       |          |         |                        |       |          |         | Pneumatic Shaped Solid Tyres |       |          |         |                         |       |          |         |                        |       |          |         |
|-----------------------------|---------------------|-------------------|-------|----------|---------|-------------------------|-------|----------|---------|------------------------|-------|----------|---------|------------------------------|-------|----------|---------|-------------------------|-------|----------|---------|------------------------|-------|----------|---------|
|                             |                     | Without sideshift |       |          |         | With integral sideshift |       |          |         | With hook on sideshift |       |          |         | Without sideshift            |       |          |         | With integral sideshift |       |          |         | With hook on sideshift |       |          |         |
|                             |                     | FBXT18            | FBX18 | FBXT18 L | FBX18 L | FBXT18                  | FBX18 | FBXT18 L | FBX18 L | FBXT18                 | FBX18 | FBXT18 L | FBX18 L | FBXT18                       | FBX18 | FBXT18 L | FBX18 L | FBXT18                  | FBX18 | FBXT18 L | FBX18 L | FBXT18                 | FBX18 | FBXT18 L | FBX18 L |
| DU: 2stage – simplex        | 3000                | 1800              | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    | 1800                         | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    |
|                             | 3300                | 1800              | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    | 1800                         | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    |
|                             | 3500                | 1800              | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    | 1800                         | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    |
|                             | 4000                | 1786              | 1798  | 1748     | 1776    | 1756                    | 1768  | 1719     | 1747    | 1708                   | 1721  | 1673     | 1699    | 1800                         | 1800  | 1800     | 1800    | 1800                    | 1800  | 1789     | 1800    | 1780                   | 1793  | 1739     | 1767    |
|                             | 4500                | 1629              | 1642  | 1603     | 1629    | 1604                    | 1615  | 1577     | 1604    | 1562                   | 1573  | 1536     | 1562    | 1711                         | 1723  | 1677     | 1705    | 1682                    | 1694  | 1649     | 1676    | 1637                   | 1648  | 1605     | 1632    |
|                             | 5000                | 1475              | 1486  | 1461     | 1485    | 1453                    | 1464  | 1439     | 1463    | 1416                   | 1427  | 1402     | 1426    | 1557                         | 1570  | 1536     | 1563    | 1533                    | 1545  | 1512     | 1537    | 1494                   | 1505  | 1473     | 1499    |
| DF: 2stage full FL - duplex | 3300                | 1800              | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    | 1800                         | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    |
|                             | 3500                | 1800              | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1765                   | 1777  | 1778     | 1800    | 1800                         | 1800  | 1800     | 1800    | 1800                    | 1800  | 1800     | 1800    | 1800                   | 1800  | 1800     | 1800    |
|                             | 4000                | 1678              | 1691  | 1712     | 1739    | 1651                    | 1663  | 1684     | 1711    | 1605                   | 1617  | 1637     | 1664    | 1755                         | 1767  | 1784     | 1800    | 1724                    | 1737  | 1753     | 1782    | 1676                   | 1688  | 1704     | 1732    |
| TF: 3stage - triplex        | 4500                | 1655              | 1667  | 1557     | 1584    | 1628                    | 1641  | 1533     | 1558    | 1586                   | 1597  | 1492     | 1517    | 1736                         | 1748  | 1634     | 1662    | 1707                    | 1719  | 1606     | 1634    | 1661                   | 1672  | 1563     | 1590    |
|                             | 4800                | 1566              | 1578  | 1469     | 1495    | 1542                    | 1554  | 1446     | 1472    | 1503                   | 1514  | 1409     | 1434    | 1648                         | 1661  | 1546     | 1573    | 1622                    | 1634  | 1521     | 1547    | 1578                   | 1590  | 1481     | 1506    |
|                             | 5000                | 1513              | 1525  | 1416     | 1442    | 1490                    | 1501  | 1394     | 1420    | 1452                   | 1463  | 1359     | 1383    | 1595                         | 1607  | 1494     | 1521    | 1570                    | 1582  | 1470     | 1496    | 1528                   | 1541  | 1432     | 1456    |
|                             | 5500                | 1406              | 1417  | 1313     | 1338    | 1385                    | 1396  | 1293     | 1318    | 1352                   | 1362  | 1262     | 1285    | 1490                         | 1501  | 1392     | 1417    | 1466                    | 1479  | 1370     | 1395    | 1430                   | 1441  | 1335     | 1360    |
|                             | 6000                | 1308              | 1319  | 1218     | 1242    | 1289                    | 1300  | 1201     | 1224    | 1259                   | 1269  | 1172     | 1195    | 1392                         | 1403  | 1298     | 1322    | 1371                    | 1382  | 1278     | 1302    | 1338                   | 1349  | 1247     | 1271    |
|                             | 6500                | 1080              | 1090  | 998      | 1019    | 1067                    | 1076  | 985      | 1006    | 1043                   | 1052  | 963      | 985     | 1157                         | 1167  | 1069     | 1091    | 1141                    | 1151  | 1055     | 1077    | 1116                   | 1126  | 1031     | 1053    |
|                             | 7000                | 852               | 860   | 777      | 796     | 841                     | 850   | 767      | 787     | 826                    | 834   | 753      | 771     | 920                          | 929   | 840      | 861     | 909                     | 918   | 830      | 850     | 890                    | 899   | 814      | 833     |

CAPACITY CHART IN KG FOR SINGLE TYRES AT **500MM** LOAD CENTRE – CALCULATED VALUES

| Type                        | Max fork height, mm | Pneumatic Tyres   |       |                         |       |                        |       | Pneumatic Shaped Solid Tyres |       |                         |       |                        |       |
|-----------------------------|---------------------|-------------------|-------|-------------------------|-------|------------------------|-------|------------------------------|-------|-------------------------|-------|------------------------|-------|
|                             |                     | Without sideshift |       | With integral sideshift |       | With hook on sideshift |       | Without sideshift            |       | With integral sideshift |       | With hook on sideshift |       |
|                             |                     | FBXT20            | FBX20 | FBXT20                  | FBX20 | FBXT20                 | FBX20 | FBXT20                       | FBX20 | FBXT20                  | FBX20 | FBXT20                 | FBX20 |
| DU: 2stage – simplex        | 3000                | 2000              | 2000  | 2000                    | 2000  | 2000                   | 2000  | 2000                         | 2000  | 2000                    | 2000  | 2000                   | 2000  |
|                             | 3300                | 2000              | 2000  | 2000                    | 2000  | 2000                   | 2000  | 2000                         | 2000  | 2000                    | 2000  | 2000                   | 2000  |
|                             | 3500                | 2000              | 2000  | 2000                    | 2000  | 1964                   | 2000  | 2000                         | 2000  | 2000                    | 2000  | 2000                   | 2000  |
|                             | 4000                | 1885              | 1933  | 1855                    | 1900  | 1806                   | 1850  | 2000                         | 2000  | 1975                    | 2000  | 1919                   | 1960  |
|                             | 4500                | 1719              | 1774  | 1693                    | 1747  | 1651                   | 1703  | 1847                         | 1896  | 1817                    | 1865  | 1768                   | 1815  |
| DF: 2stage full FL - duplex | 5000                | 1556              | 1621  | 1534                    | 1596  | 1496                   | 1557  | 1687                         | 1744  | 1661                    | 1717  | 1618                   | 1673  |
|                             | 3300                | 2000              | 2000  | 1985                    | 2000  | 1929                   | 2000  | 2000                         | 2000  | 2000                    | 2000  | 2000                   | 2000  |
|                             | 3500                | 1959              | 2000  | 1926                    | 2000  | 1873                   | 1968  | 2000                         | 2000  | 2000                    | 2000  | 1980                   | 2000  |
|                             | 4000                | 1778              | 1895  | 1749                    | 1865  | 1704                   | 1815  | 1899                         | 2000  | 1867                    | 1979  | 1816                   | 1925  |
|                             | 4500                | 1747              | 1729  | 1721                    | 1703  | 1676                   | 1659  | 1875                         | 1855  | 1844                    | 1824  | 1794                   | 1775  |
|                             | 4800                | 1654              | 1634  | 1628                    | 1610  | 1588                   | 1570  | 1783                         | 1760  | 1754                    | 1733  | 1708                   | 1687  |
|                             | 5000                | 1597              | 1577  | 1573                    | 1554  | 1535                   | 1515  | 1727                         | 1704  | 1699                    | 1677  | 1656                   | 1634  |
|                             | 5500                | 1484              | 1464  | 1462                    | 1443  | 1427                   | 1409  | 1615                         | 1593  | 1591                    | 1568  | 1551                   | 1530  |
|                             | 6000                | 1379              | 1361  | 1360                    | 1342  | 1329                   | 1312  | 1511                         | 1490  | 1489                    | 1467  | 1453                   | 1432  |
|                             | 6500                | 1146              | 1129  | 1131                    | 1114  | 1108                   | 1091  | 1265                         | 1245  | 1249                    | 1229  | 1221                   | 1201  |
|                             | 7000                | 912               | 897   | 902                     | 887   | 885                    | 870   | 1019                         | 1001  | 1007                    | 989   | 987                    | 969   |

CAPACITY CHART IN KG FOR WIDE TREAD TYRES AT **500MM** LOAD CENTRE – CALCULATED VALUES

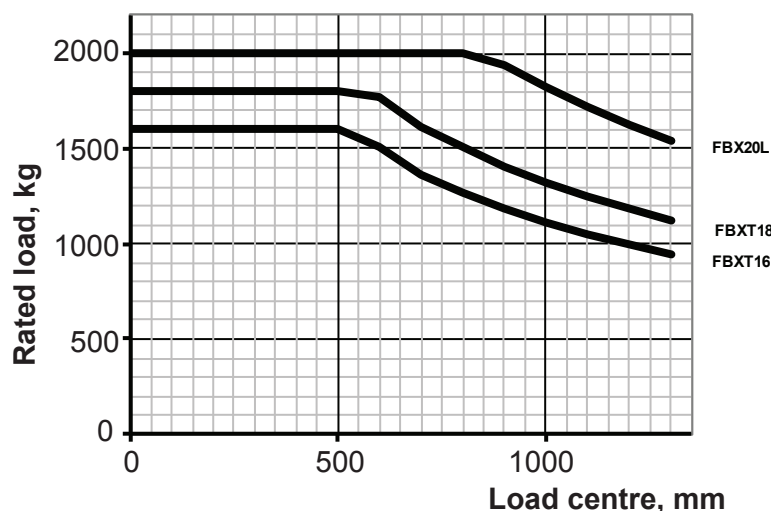
| Type                        | Max fork height, mm | Pneumatic Tyres   |       |                         |       |                        |       | Pneumatic Shaped Solid Tyres |       |                         |       |                        |       |
|-----------------------------|---------------------|-------------------|-------|-------------------------|-------|------------------------|-------|------------------------------|-------|-------------------------|-------|------------------------|-------|
|                             |                     | Without sideshift |       | With integral sideshift |       | With hook on sideshift |       | Without sideshift            |       | With integral sideshift |       | With hook on sideshift |       |
|                             |                     | FBXT20            | FBX20 | FBXT20                  | FBX20 | FBXT20                 | FBX20 | FBXT20                       | FBX20 | FBXT20                  | FBX20 | FBXT20                 | FBX20 |
| DU: 2stage – simplex        | 3000                | 2000              | 2000  | 2000                    | 2000  | 2000                   | 2000  | 2000                         | 2000  | 2000                    | 2000  | 2000                   | 2000  |
|                             | 3300                | 2000              | 2000  | 2000                    | 2000  | 2000                   | 2000  | 2000                         | 2000  | 2000                    | 2000  | 2000                   | 2000  |
|                             | 3500                | 2000              | 2000  | 2000                    | 2000  | 2000                   | 2000  | 2000                         | 2000  | 2000                    | 2000  | 2000                   | 2000  |
|                             | 4000                | 1952              | 1997  | 1920                    | 1964  | 1868                   | 1910  | 2000                         | 2000  | 2000                    | 2000  | 1945                   | 1985  |
|                             | 4500                | 1789              | 1841  | 1760                    | 1812  | 1715                   | 1765  | 1876                         | 1924  | 1845                    | 1891  | 1795                   | 1840  |
| DF: 2stage full FL - duplex | 5000                | 1628              | 1688  | 1603                    | 1663  | 1563                   | 1622  | 1716                         | 1773  | 1689                    | 1745  | 1646                   | 1699  |
|                             | 3300                | 2000              | 2000  | 2000                    | 2000  | 1986                   | 2000  | 2000                         | 2000  | 2000                    | 2000  | 2000                   | 2000  |
|                             | 3500                | 2000              | 2000  | 1988                    | 2000  | 1931                   | 2000  | 2000                         | 2000  | 2000                    | 2000  | 2000                   | 2000  |
|                             | 4000                | 1845              | 1960  | 1815                    | 1928  | 1765                   | 1876  | 1927                         | 2000  | 1894                    | 2000  | 1840                   | 1949  |
|                             | 4500                | 1817              | 1798  | 1788                    | 1769  | 1740                   | 1723  | 1903                         | 1883  | 1871                    | 1851  | 1820                   | 1800  |
|                             | 4800                | 1725              | 1704  | 1697                    | 1677  | 1654                   | 1634  | 1812                         | 1789  | 1783                    | 1760  | 1735                   | 1714  |
|                             | 5000                | 1668              | 1647  | 1643                    | 1622  | 1601                   | 1581  | 1756                         | 1733  | 1728                    | 1705  | 1683                   | 1661  |
|                             | 5500                | 1555              | 1534  | 1533                    | 1512  | 1495                   | 1475  | 1645                         | 1622  | 1619                    | 1597  | 1578                   | 1556  |
|                             | 6000                | 1451              | 1431  | 1431                    | 1411  | 1396                   | 1378  | 1541                         | 1518  | 1517                    | 1496  | 1481                   | 1460  |
|                             | 6500                | 1211              | 1192  | 1195                    | 1177  | 1170                   | 1152  | 1293                         | 1272  | 1275                    | 1254  | 1247                   | 1227  |
|                             | 7000                | 971               | 953   | 960                     | 942   | 941                    | 925   | 1043                         | 1025  | 1031                    | 1012  | 1010                   | 991   |



#### TRUCK DIMENSIONS:

|   | FBXT16 | FBX16 | FBXT18/ FBXT18L/ FBXT20L | FBX18/ FBX18L/ FBX20L |
|---|--------|-------|--------------------------|-----------------------|
| f | -      | 39°   | -                        | 39°                   |
| g | 17°    | 17°   | 16°                      | 16.3°                 |
| k | 406    | 406   | 411                      | 411                   |
| n | 925    | 925   | 925                      | 925                   |

#### RATED CAPACITIES:



#### LEGEND:

Load centre: distance from front forks surface to load gravity centre

Rated load: based on calculated values for vertical masts (ISO 1074) up to 4500 for all variants with pneumatic single tyres

#### NOTES:

All specifications listed in the tables are affected by the vehicle equipment and condition and also by operating area nature and conditions. Please contact your Nexen forklift truck dealer in case of critical or specific specifications for a proposed application.

All three wheel forklift trucks could be ordered with electric or hydraulic steering wheel.

#### LEGEND:

- calculated value according to VDI 2198, EN 1726-1, DIN 15 172 and VDI 3973

- measured between road surface and top surface of the forks

- with load backrest. Subtract 660mm if load backrest is removed

-  $h_6$  subject to +/- 5mm tolerance

- Full-suspension seat in depressed position

- with load backrest. Subtract 16mm if load backrest is removed

- Values based on the VDI 2198 standard calculation. Additional 100mm are recommended by the British Industrial Truck Association for extra operating margin at the rear of the truck

- Consult your Nexen forklift truck dealer

- Centre of gravity of unladen truck

$Ast = W_a + x + l_6 + a$  (refer to lines 4.33 and 4.34)

$W_a$  – outer turning radius

$a$  = 200mm – minimum operating clearance (according to VDI 2198)

$x$  - Load distance, centre of drive axle to fork

$l_6$  – load length

#### NOTICE:

Handle elevated loads with care as the truck stability is reduced when the carriage is lifted up. Keep minimal mast tilt angle during loads elevation.

Operators must be trained and adhere to the instructions included in the operating manual.



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