# Electric Pallet Trucks 4400 lb. Capacity T20 SERIES 1151

Linde Material Handling

### Safety

Linde engineers have designed this new pallet truck around the concept of active and passive safety. Passive safety demands that edges are smooth and rounded; that the battery compartment is covered and that the power cable is routed inside to avoid snagging. Standard caster wheels keep the truck stable while maneuvering in tight areas and add to active safety during operation.

### Performance

The combination of AC motor technology and Linde LAC digital control makes these pallet trucks highly productive. Operating parameters can be adjusted to match customer requirements and application. When additional power is needed, an automatic momentary power boost provides higher torque to overcome an obstacle. Standard, hardened steel, entry and exit rollers ensure quickest possible pallet pickup and drop-off. In addition, a very practical "creep speed button" allows utmost maneuverability in confined areas. The unique "proportional speed system" will automatically regulate travel speed according to the tiller angle.

### Comfort

Through the application of Sinergo®, an innovative, all inclusive, design concept, which incorporates every aspect of operator and truck interface, all controls on the ergonomically shaped tiller

handle can be easily operated by either hand. Ideal angles and specifically designed touch surface material allow for a secure grip and ideal operational positioning of hand, wrist and arm.

Linde

118 191

### Reliability

Not only does this truck look good, it is also very rugged and durable. New materials are used for various components. Grivory® ensures that the tiller arm is light but also sturdy. The motor compartment cover made of Exxtral® is extremely strong yet flexible, for utmost component protection. Fork tips are made from cast steel to ensure maximum performance and durability.

### Service

Maintenance free AC motors contribute to the low intervals of periodic service. Preventive maintenance is only required at 1000 hour intervals. All truck data is quickly available via a CAN-bus operational system. Easy access to all components ensures fast repairs and maximum machine uptime.

# Technical Data April 2015 SERIES 1151 (T20)

1.2         Model designation         Image: Image		1.1	Manufacturer					Lin	de
Interface         Perform         Perform           1.4         Operation         Q         Ib.         kg           1.5         Load capacity         Q         Ib.         kg           1.6         Load capacity         Q         Ib.         kg           1.6         Load capacity         Q         Ib.         kg           1.6         Load center         C         in.         mm           1.9         Wheelbase         X         in.         mm           1.0         Service weight         Ib.         kg         34.5 / 37.8 <sup>13</sup> / 37 / 150.3 <sup>17/1</sup> 2.1         Service weight         Ib.         kg         754.7 IS.2 <sup>13/2</sup> 869/161.6 <sup>3</sup> 3.1         Tires (c = cushion - solid rubber, P Polyurethane)         Tree (c = cushion - solid rubber, P Polyurethane)         754.7 IS.3         230 x90           3.3         Tire size, drive wheels         In.         in.         mm         3.1 x 4.1         80 x105           3.4         Caster wheels         In.         in.         mm         3.1 x 4.1         80 x105           3.4         Caster wheels         In.         in.         mm         3.1 x 4.1         80 x105           3.4		1.2	Model designation					T20 (USA)	
1.8         Lad Letterier         C         In         Init         2.4         Bodd           1.8         Akle center to fork face         X         In         Init         Init <td>S</td> <td>1.3</td> <td>Power unit</td> <td></td> <td colspan="3"></td> <td colspan="2"></td>	S	1.3	Power unit						
1.8         Lad Letterier         C         In         Init         2.4         Bodd           1.8         Akle center to fork face         X         In         Init         Init <td rowspan="5">Characteristic</td> <td>1.4</td> <td>Operation</td> <td></td> <td></td> <td></td> <td></td> <td colspan="2">•</td>	Characteristic	1.4	Operation					•	
1.8       Lad cleant $\chi$ $n$		1.5	Load capacity	Q	Ib.	kg		4400	2000
1.9         Wheelbase         γ         in.         mm         56.6 / 59.2 <sup>10.2</sup> 1437 / 1503 <sup>11/2</sup> 2.1         Service weight         ib.         kg         ib.         kg           2.2         Axle load with load, front/rear         ib.         kg         77.2 <sup>3</sup> 441 <sup>3</sup> 2.3         Axle load with load, front/rear         ib.         kg         754 / 218 <sup>31</sup> 342 / 99 <sup>31</sup> 3.1         Tires (c = cushion - solid rubbe, P = Polyurethane)         C + P <sup>3</sup> 342 / 99 <sup>31</sup> 342 / 99 <sup>31</sup> 3.4         Caster wheels         in.         mm         9.1 x 3.5         230 x 90           3.4         Caster wheels         in.         mm         9.1 x 3.5         230 x 90           3.5         Wheels, number of drive wheels (x = driven)         1.8 in.         mm         4.9 x 1.6         125 x 40           3.7         Track width, load wheels         b11         in.         mm         4.9 <sup>10</sup> 125 <sup>10</sup> 4.4         Lift         h33         in.         mm         4.9 <sup>10</sup> 1727 <sup>11</sup> 4.20         Length to fuk face         1         in.         mm         6.2 (10 × 70 <sup>1</sup> )           4.21         Overall l		1.6	Load center	С	in.	mm		24	600
21.1         Service weight         Image: block of the service weight		1.8	Axle center to fork face	Х	in.	mm		34.5 / 37.8 <sup>1) 2)</sup>	876 / 960 <sup>1) 2)</sup>
Image: Second		1.9	Wheelbase	у	in.	mm		56.6 / 59.2 <sup>1) 2)</sup>	1437 / 1503 <sup>1) 2)</sup>
1.1         1.3         Axte toad winduit rad, nonty real         1.1         kg         7.54 / 218 °/         3.42 / 798 °/           3.1         Tires (c = cushion - solid rubber, P = Polyurethane)          (c + P 4)           3.2         Tire size, load wheels         in.         mm         3.1 x 4.1         80 x 105           3.4         Caster wheels         in.         mm         3.1 x 4.1         80 x 105           3.5         Wheels, number of drive wheels (x = driven)         in.         mm         4.9 x 1.6         125 x 40           3.7         Track width, load wheels         b10         in.         mm         15.6 / 20.3 <sup>11</sup> 395 / 515 <sup>11</sup> 4.4         Lift         h3         in.         mm         4.9 <sup>11</sup> 125 <sup>11</sup> 4.4         Lift         h3         in.         mm         3.2         83           4.19         Overall length         11         in.         mm         29.1 / 47.6         740 / 1208           4.20         Length to fork face         L         in.         mm         22.6 <sup>11</sup> 575 <sup>11</sup> 4.21         Overall width         b1/b2         in.         mm         22.0 / 2.6 <sup>11</sup> 557 <sup>11</sup>		2.1	Service weight	_	Ib.	kg		972 <sup>3)</sup>	441 <sup>3)</sup>
1.1         1.3         Axte toad winduit rad, nonty real         1.1         kg         7.54 / 218 °/         3.42 / 798 °/           3.1         Tires (c = cushion - solid rubber, P = Polyurethane)          (c + P 4)           3.2         Tire size, load wheels         in.         mm         3.1 x 4.1         80 x 105           3.4         Caster wheels         in.         mm         3.1 x 4.1         80 x 105           3.5         Wheels, number of drive wheels (x = driven)         in.         mm         4.9 x 1.6         125 x 40           3.7         Track width, load wheels         b10         in.         mm         15.6 / 20.3 <sup>11</sup> 395 / 515 <sup>11</sup> 4.4         Lift         h3         in.         mm         4.9 <sup>11</sup> 125 <sup>11</sup> 4.4         Lift         h3         in.         mm         3.2         83           4.19         Overall length         11         in.         mm         29.1 / 47.6         740 / 1208           4.20         Length to fork face         L         in.         mm         22.6 <sup>11</sup> 575 <sup>11</sup> 4.21         Overall width         b1/b2         in.         mm         22.0 / 2.6 <sup>11</sup> 557 <sup>11</sup>	eights	2.2	Axle load with load, front/rear		lb.	kg		1782 / 3562 <sup>3)</sup>	809/1616 <sup>3)</sup>
3.2         The size, drive wheels         in.         mm         9.1 x 3.5         230 x 90           3.3         The size, load wheels         in.         mm         3.1 x 4.1         80 x 105           3.4         Caster wheels         in.         mm         4.9 x 1.6         125 x 40           3.5         Wheels, number of drive wheels (x = driven)         in.         mm         4.9 x 1.6         125 x 40           3.7         Track width, caster wheels         b10         in.         mm         4.9 x 1.6         125 x 40           3.7         Track width, caster wheels         b10         in.         mm         4.9 x 1.6         125 x 40           4.4         Lift         moerating position, min/max         h14         in.         mm         4.9''         125 ''           4.4         Lift         overall length         L1         in.         mm         3.2         83           4.19         Overall length         L1         in.         mm         22.6 ''         575 ''           4.20         Length to fork face         L         in.         mm         22.6 ''         575 ''           4.21         Overall width         b1/b2         in.         mm         3.1 (6.3 2')	We	2.3	Axle load without load, front/rear		Ib.	kg		754 / 218 <sup>3)</sup>	342 / 99 <sup>3)</sup>
Nome         Nome <th< td=""><td></td><td>3.1</td><td>Tires (C = cushion - solid rubber, P = Polyurethane)</td><td></td><td></td><td></td><td colspan="3"> C + P <sup>4</sup>)</td></th<>		3.1	Tires (C = cushion - solid rubber, P = Polyurethane)				C + P <sup>4</sup> )		
Nome         Second		3.2	Tire size, drive wheels		in.	mm		9.1 x 3.5	230 x 90
3.6         Track width, caster wheels         b10         in.         mm           3.7         Track width, load wheels         b11         in.         mm           4.4         Lift         h3         in.         mm           4.9         Height of tiller arm in operating position, min/max         h14         in.         mm           4.15         Fork height, lowered         h13         in.         mm         3.2         83           4.19         Overall length         L1         in.         mm         69.9 <sup>1)</sup> 1775 <sup>1)</sup> 4.20         Length to fork face         L         in.         mm         22.6 <sup>1)</sup> 575 <sup>1)</sup> 4.21         Overall width         b1/b2         in.         mm         22.6 <sup>1)</sup> 575 <sup>1)</sup> 4.22         Fork dimensions         S/e/L         in.         mm         65.5 × 2.2 × 47.3         165 × 55 × 1200           4.23         Ground clearance, center of wheelbase         m2         in.         mm         3.9 <sup>5</sup> 2129 <sup>5</sup> 4.34         Aisle width with 48" pallet         Ast         in.         mm         3.5 / 3.5         5.6 / 5.6           5.0         Acceleration time, with/without load <t< td=""><td>ſes</td><td>3.3</td><td>Tire size, load wheels</td><td></td><td>in.</td><td>mm</td><td></td><td>3.1 x 4.1</td><td>80 x 105</td></t<>	ſes	3.3	Tire size, load wheels		in.	mm		3.1 x 4.1	80 x 105
3.6         Track width, caster wheels         b10         in.         mm           3.7         Track width, load wheels         b11         in.         mm           4.4         Lift         h3         in.         mm           4.9         Height of tiller arm in operating position, min/max         h14         in.         mm           4.15         Fork height, lowered         h13         in.         mm         3.2         83           4.19         Overall length         L1         in.         mm         69.9 <sup>1)</sup> 1775 <sup>1)</sup> 4.20         Length to fork face         L         in.         mm         22.6 <sup>1)</sup> 575 <sup>1)</sup> 4.21         Overall width         b1/b2         in.         mm         22.6 <sup>1)</sup> 575 <sup>1)</sup> 4.22         Fork dimensions         S/e/L         in.         mm         65.5 × 2.2 × 47.3         165 × 55 × 1200           4.23         Ground clearance, center of wheelbase         m2         in.         mm         3.9 <sup>5</sup> 2129 <sup>5</sup> 4.34         Aisle width with 48" pallet         Ast         in.         mm         3.5 / 3.5         5.6 / 5.6           5.0         Acceleration time, with/without load <t< td=""><td>els/Ti</td><td>3.4</td><td>Caster wheels</td><td></td><td>in.</td><td>mm</td><td></td><td>4.9 x 1.6</td><td>125 x 40</td></t<>	els/Ti	3.4	Caster wheels		in.	mm		4.9 x 1.6	125 x 40
3.7         Track width, load wheels         b11         in.         mm           4.4         Lift         h3         in.         mm           4.9         Height of tiller arm in operating position, min/max         h14         in.         mm           4.9         Height of tiller arm in operating position, min/max         h14         in.         mm           4.15         Fork height, lowered         h13         in.         mm         3.2         83           4.19         Overall length         L1         in.         mm         69.9 <sup>1</sup> )         1775 <sup>1</sup> 4.20         Length to fork face         L         in.         mm         62.2 c <sup>1</sup> )         575 <sup>1</sup> 4.21         Overall width         b1/b2         in.         mm         22.0 (26.8 <sup>1</sup> )         560 / 680 <sup>1</sup> )           4.22         Fork dimensions         S/e/L         in.         mm         23.9 <sup>5</sup> )         212.0 <sup>2</sup> 4.32         Ground clearance, center of wheelbase         m2         in.         mm         1.3 / 6.3 <sup>2</sup> )         33.1 fs8 <sup>2</sup> 4.33         Turning radius         Wa         in.         mm         3.5 / 3.5         5.6 / 5.6           5.8         Maximun climbing ability, with/wi	Whee	3.5	Wheels, number of drive wheels (x = driven)					1x + 2	1x + 2
4.4         Lift         h3         in.         mm           4.4         Lift         h3         in.         mm           4.9         Height of tiller arm in operating position, min/max         h14         in.         mm           4.15         Fork height, lowered         h13         in.         mm         3.2         83           4.19         Overall length         L1         in.         mm         69.9 <sup>1</sup> )         1775 <sup>1</sup> )           4.20         Length to fork face         L         in.         mm         22.6 <sup>1</sup> )         575 <sup>1</sup> )           4.21         Overall width         b1/b2         in.         mm         23.1 <sup>1</sup> 720 <sup>1</sup> )           4.22         Fork dimensions         S/e/L         in.         mm         65.5 x 2.2 x 47.3 165 x 55 x 1200           4.25         Fork spread, min/max         b5         in.         mm         1.3 / 6.3 <sup>2</sup> )         33 / 158 <sup>2</sup> )           4.32         Ground clearance, center of wheelbase         m2         in.         mm         83.9 <sup>5</sup> )         2129 <sup>5</sup> )           4.35         Turning radius         Wa         in.         mm         3.5 / 3.5         5.6 / 5.6           5.8         Maximum climbing ability, with/without load </td <td>3.6</td> <td>Track width, caster wheels</td> <td>b10</td> <td>in.</td> <td>mm</td> <td></td> <td>19.0 <sup>1)</sup></td> <td>482 <sup>1)</sup></td>		3.6	Track width, caster wheels	b10	in.	mm		19.0 <sup>1)</sup>	482 <sup>1)</sup>
4.9         Height of tiller arm in operating position, min/max         h14         in.         mm           4.15         Fork height, lowered         h13         in.         mm           4.15         Fork height, lowered         h13         in.         mm           4.10         Overall length         L1         in.         mm           4.20         Length to fork face         L         in.         mm           4.21         Overall width         b1/b2         in.         mm           4.22         Fork dimensions         S/e/L         in.         mm           4.23         Ground clearance, center of wheelbase         m2         in.         mm           4.34         Aisle width with 48" pallet         Ast         in.         mm           4.35         Turning radius         Wa         in.         mm           5.1         Travel speed, with/without load         S         S         62.4 / 65.2 <sup>1/5</sup> )         1585 / 1655 <sup>2/5</sup> )           5.8         Maximum climbing ability, with/without load         S         S         S         7.6 / 6.4           6.1         Drive motor, 60 minute rating         In.         mm         mm         1.6         1.20           5.3		3.7	Track width, load wheels	b11	in.	mm		15.6 / 20.3 <sup>1)</sup>	395 / 515 <sup>1)</sup>
4.15         Fork height, lowered         h13         in.         mm         3.2         83           4.19         Overall length         L1         in.         mm         69.9 <sup>1</sup> )         1775 <sup>1</sup> )           4.20         Length to fork face         L         in.         mm         22.6 <sup>1</sup> )         575 <sup>1</sup> )           4.21         Overall width         b1/b2         in.         mm         22.6 <sup>1</sup> )         575 <sup>1</sup> )           4.22         Fork dimensions         S/e/L         in.         mm         65.5 x 2.2 x 47.3         165 x 55 x 1200           4.25         Fork spread, min/max         b5         in.         mm         22.0 / 26.8 <sup>1</sup> )         560 / 680 <sup>1</sup> )           4.32         Ground clearance, center of wheelbase         m2         in.         mm         1.3 / 6.3 <sup>2</sup> )         33 / 158 <sup>2</sup> )           4.34         Aisle width with 48" pallet         Ast         in.         mm         83.9 <sup>5</sup> )         2129 <sup>5</sup> )           4.35         Turning radius         Wa         in.         mm         3.5 / 3.5         5.6 / 5.6           5.8         Maximum climbing ability, with/without load         S         7.6 / 6.4         1.6         1.20           6.3         Battery compartment size, l x w xh		4.4	Lift	h3	in.	mm		4.9 <sup>1)</sup>	125 <sup>1)</sup>
Verall         Overall length         L1         in.         mm         69.9 <sup>1</sup> )         1775 <sup>1</sup> )           4.20         Length to fork face         L         in.         mm         22.6 <sup>1</sup> )         575 <sup>1</sup> )           4.21         Overall width         b1/b2         in.         mm         28.3 <sup>1</sup> )         720 <sup>1</sup> )           4.22         Fork dimensions         S/e/L         in.         mm         6.5 x 2.2 x 47.3         165 x 55 x 1200           4.25         Fork spread, min/max         b5         in.         mm         22.0 / 26.8 <sup>1</sup> )         560 / 680 <sup>1</sup> )           4.32         Ground clearance, center of wheelbase         m2         in.         mm         83.9 <sup>5</sup> )         2129 <sup>5</sup> )           4.34         Aisle width with 48" pallet         Ast         in.         mm         83.9 <sup>5</sup> )         2129 <sup>5</sup> )           5.1         Tarvel speed, with/without load         Image: Maximum Climbing ability, with/without load         Image: Maximum		4.9	Height of tiller arm in operating position, min/max	h14	in.	mm		29.1 / 47.6	740 / 1208
4.20         Length to fork face         L         in.         mm         22.6 <sup>1</sup> )         575 <sup>1</sup> )           4.21         Overall width         b1/b2         in.         mm         28.3 <sup>1</sup> )         720 <sup>1</sup> )           4.22         Fork dimensions         S/e/L         in.         mm         6.5 x 2.2 x 47.3         165 x 55 x 1200           4.25         Fork spread, min/max         b5         in.         mm         22.0 / 26.8 <sup>1</sup> )         560 / 680 <sup>1</sup> )           4.32         Ground clearance, center of wheelbase         m2         in.         mm         1.3 / 6.3 <sup>2</sup> )         33 / 158 <sup>2</sup> )           4.34         Aisle width with 48" pallet         Ast         in.         mm         83.9 <sup>5</sup> )         2129 <sup>5</sup> )           5.1         Travel speed, with/without load         mph         km/h         3.5 / 3.5         5.6 / 5.6           5.8         Maximum climbing ability, with/without load         5         7.6 / 6.4         10 / 24           5.9         Acceleration time, with/without load         5         7.6 / 6.4         1.20           6.3         Battery compartment size, l x w x h         in.         mm         9.2 x 25.7 x 24.8         235 x 654 x 630           6.4         Battery weight (± 5%)         M         Ib.		4.15	Fork height, lowered	h13	in.	mm		3.2	83
Verall width         b1/b2         in.         mm         28.3 <sup>1</sup> )         720 <sup>1</sup> )           4.21         Overall width         5/e/L         in.         mm         6.5 x 2.2 x 47.3         165 x 55 x 1200           4.25         Fork spread, min/max         b5         in.         mm         22.0 / 26.8 <sup>1</sup> )         560 / 680 <sup>1</sup> )           4.32         Ground clearance, center of wheelbase         m2         in.         mm         83.9 <sup>5</sup> )         2129 <sup>5</sup> )           4.34         Aisle width with 48" pallet         Ast         in.         mm         83.9 <sup>5</sup> )         2129 <sup>5</sup> )           4.35         Turning radius         Wa         in.         mm         3.5 / 3.5         5.6 / 5.6           5.1         Travel speed, with/without load         mph         km/h         3.5 / 3.5         5.6 / 5.6           5.8         Maximum climbing ability, with/without load         s         7.6 / 6.4         1.0 / 24           5.9         Acceleration time, with/without load         s         9.         1.6         1.20           6.2         Lift motor rating at 15%         hp         kW         1.6         1.20           6.3         Battery voltage         V         24         400         181		4.19	Overall length	L1	in.	mm		69.9 <sup>1)</sup>	1775 <sup>1)</sup>
4.25       Fork spread, min/max       b5       in.       mm       22.0 / 26.8 <sup>1</sup> )       560 / 680 <sup>1</sup> )         4.32       Ground clearance, center of wheelbase       m2       in.       mm       1.3 / 6.3 <sup>2</sup> )       33 / 158 <sup>2</sup> )         4.34       Aisle width with 48" pallet       Ast       in.       mm       83.9 <sup>5</sup> )       2129 <sup>5</sup> )         4.35       Turning radius       Wa       in.       mm       83.9 <sup>5</sup> )       2129 <sup>5</sup> )         5.1       Travel speed, with/without load       mph       km/h       3.5 / 3.5       5.6 / 5.6         5.8       Maximum climbing ability, with/without load       mph       km/h       3.5 / 3.5       5.6 / 5.6         5.9       Acceleration time, with/without load       s       -       10 / 24         6.2       Lift motor rating at 15%       hp       kW       1.6       1.20         6.3       Battery compartment size, l x w x h       in.       mm       9.2 x 25.7 x 24.8       235 x 654 x 630         6.4       Battery weight (± 5%)       in.       in.       mm       Maximum       181         8.1       Type of drive control       IV       IAC       IAC       IAC	ns	4.20	Length to fork face	L	in.	mm		22.6 <sup>1)</sup>	575 <sup>1)</sup>
4.25       Fork spread, min/max       b5       in.       mm       22.0 / 26.8 <sup>1</sup> )       560 / 680 <sup>1</sup> )         4.32       Ground clearance, center of wheelbase       m2       in.       mm       1.3 / 6.3 <sup>2</sup> )       33 / 158 <sup>2</sup> )         4.34       Aisle width with 48" pallet       Ast       in.       mm       83.9 <sup>5</sup> )       2129 <sup>5</sup> )         4.35       Turning radius       Wa       in.       mm       83.9 <sup>5</sup> )       2129 <sup>5</sup> )         5.1       Travel speed, with/without load       mph       km/h       3.5 / 3.5       5.6 / 5.6         5.8       Maximum climbing ability, with/without load       mph       km/h       3.5 / 3.5       5.6 / 5.6         5.9       Acceleration time, with/without load       s       -       10 / 24         6.2       Lift motor rating at 15%       hp       kW       1.6       1.20         6.3       Battery compartment size, l x w x h       in.       mm       9.2 x 25.7 x 24.8       235 x 654 x 630         6.4       Battery weight (± 5%)       in.       in.       mm       Maximum       181         8.1       Type of drive control       IV       IAC       IAC       IAC	ensio	4.21	Overall width	b1/b2	in.	mm		28.3 <sup>1)</sup>	720 <sup>1)</sup>
4.32       Ground clearance, center of wheelbase       m2       in.       mm       1.3 / 6.3 <sup>2</sup> )       33 / 158 <sup>2</sup> )         4.34       Aisle width with 48" pallet       Ast       in.       mm       83.9 <sup>5</sup> )       2129 <sup>5</sup> )         4.35       Turning radius       Wa       in.       mm       62.4 / 65.2 <sup>2) 5</sup> )       1585 / 1655 <sup>2) 5</sup> )         5.1       Travel speed, with/without load       mph       km/h       3.5 / 3.5       5.6 / 5.6         5.8       Maximum climbing ability, with/without load       %       10 / 24         5.9       Acceleration time, with/without load       s       7.6 / 6.4         6.1       Drive motor, 60 minute rating       hp       kW       1.6       1.20         6.2       Lift motor rating at 15%       hp       kW       1.6       1.20         6.3       Battery compartment size, l x w x h       in.       mm       9.2 x 25.7 x 24.8       235 x 654 x 630         6.4       Battery weight (± 5%)       G       Ib.       kg       400       181         8.1       Type of drive control       LAC       LAC       LAC	Dim	4.22	Fork dimensions	S/e/L	in.	mm		6.5 x 2.2 x 47.3	165 x 55 x 1200
4.34Aisle width with 48" palletAstin.mm83.9 <sup>5</sup> )2129 <sup>5</sup> )4.35Turning radiusWain.mm62.4 / 65.2 <sup>2</sup> ) <sup>5</sup> )1585 / 1655 <sup>2</sup> ) <sup>5</sup> )5.1Travel speed, with/without loadmphkm/h3.5 / 3.55.6 / 5.65.8Maximum climbing ability, with/without loadImage: Singet Control10 / 245.9Acceleration time, with/without loadImage: Singet Control7.6 / 6.46.1Drive motor, 60 minute ratingImage: Singet Control1.206.2Lift motor rating at 15%Image: Singet Control1.206.3Battery compartment size, I x w x hImage: Singet Control9.2 x 25.7 x 24.8235 x 654 x 6306.4Battery voltageImage: Singet ControlImage: Singet Control1818Type of drive controlImage: Singet ControlLACLAC		4.25	Fork spread, min/max	b5	in.	mm		22.0 / 26.8 <sup>1)</sup>	560 / 680 <sup>1)</sup>
4.35       Turning radius       Wa       in.       mm       62.4 / 65.2 <sup>2) 5)</sup> 1585 / 1655 <sup>2) 5)</sup> 5.1       Travel speed, with/without load       mph       km/h       3.5 / 3.5       5.6 / 5.6         5.8       Maximum climbing ability, with/without load       %       10 / 24         5.9       Acceleration time, with/without load       s       7.6 / 6.4         6.1       Drive motor, 60 minute rating       mph       kW       1.6       1.20         6.2       Lift motor rating at 15%       hp       kW       1.6       1.20         6.3       Battery compartment size, l x w x h       in.       mm       9.2 x 25.7 x 24.8       235 x 654 x 630         6.4       Battery weight (± 5%)       lb.       kg       400       181         8.1       Type of drive control       LAC       LAC       LAC		4.32	Ground clearance, center of wheelbase	m2	in.	mm		1.3 / 6.3 <sup>2)</sup>	33 / 158 <sup>2)</sup>
S.1       Travel speed, with/without load       mph       km/h       3.5 / 3.5       5.6 / 5.6         5.8       Maximum climbing ability, with/without load       %       10 / 24         5.9       Acceleration time, with/without load       s       7.6 / 6.4         6.1       Drive motor, 60 minute rating       hp       kW       1.6       1.20         6.2       Lift motor rating at 15%       hp       kW       1.6       1.20         6.3       Battery compartment size, l x w x h       in.       mm       9.2 x 25.7 x 24.8       235 x 654 x 630         6.4       Battery voltage       V       24       24       24         6.5       Battery weight (± 5%)       lb.       kg       400       181         52       X.1       Type of drive control       LAC       LAC		4.34	Aisle width with 48" pallet	Ast	in.	mm		83.9 <sup>5)</sup>	2129 <sup>5)</sup>
5.8Maximum climbing ability, with/without load%10 / 245.9Acceleration time, with/without loads7.6 / 6.46.1Drive motor, 60 minute ratinghpkW1.61.206.2Lift motor rating at 15%hpkW1.61.206.3Battery compartment size, l x w x hin.mm9.2 x 25.7 x 24.8235 x 654 x 6306.4Battery voltageV246.5Battery weight (± 5%)lb.kg40018110XType of drive controlLACLACLAC		4.35	Turning radius	Wa	in.	mm		62.4 / 65.2 <sup>2) 5)</sup>	1585 / 1655 <sup>2) 5)</sup>
6.1         Drive motor, 60 minute rating         hp         kW         1.6         1.20           6.2         Lift motor rating at 15%         hp         kW         1.6         1.20           6.3         Battery compartment size, l x w x h         in.         mm         9.2 x 25.7 x 24.8         235 x 654 x 630           6.4         Battery voltage         V         24         24           6.5         Battery weight (± 5%)         lb.         kg         400         181           5         8.1         Type of drive control         LAC         LAC         LAC	Performance	5.1	Travel speed, with/without load		mph	km/h		3.5 / 3.5	5.6 / 5.6
6.1         Drive motor, 60 minute rating         hp         kW         1.6         1.20           6.2         Lift motor rating at 15%         hp         kW         1.6         1.20           6.3         Battery compartment size, l x w x h         in.         mm         9.2 x 25.7 x 24.8         235 x 654 x 630           6.4         Battery voltage         V         24         24           6.5         Battery weight (± 5%)         lb.         kg         400         181           5         8.1         Type of drive control         LAC         LAC         LAC		5.8	Maximum climbing ability, with/without load		0/0		10 / 24		
6.2         Lift motor rating at 15%         hp         kW         1.6         1.20           6.3         Battery compartment size, l x w x h         in.         mm         9.2 x 25.7 x 24.8         235 x 654 x 630           6.4         Battery voltage         V         24           6.5         Battery weight (± 5%)         lb.         kg         400         181           §         8.1         Type of drive control         V         LAC         LAC		5.9	Acceleration time, with/without load		S			7.6 / 6.4	
6.3       Battery compartment size, l x w x h       in.       mm       9.2 x 25.7 x 24.8       235 x 654 x 630         6.4       Battery voltage       V       24         6.5       Battery weight (± 5%)       Ib.       kg       400       181         5       8.1       Type of drive control       LAC       LAC	Drive	6.1	Drive motor, 60 minute rating		hp	kW		1.6	1.20
6.4     Battery voltage     V     24       6.5     Battery weight (± 5%)     Ib.     kg     400     181       2     8.1     Type of drive control     LAC     LAC		6.2	Lift motor rating at 15%		hp	kW		1.6	1.20
6.4     Battery voltage     V     24       6.5     Battery weight (± 5%)     Ib.     kg     400     181       2     8.1     Type of drive control     LAC     LAC		6.3	Battery compartment size, I x w x h		in.	mm		9.2 x 25.7 x 24.8	235 x 654 x 630
Sector     Sector       Sector     LAC       LAC     LAC		6.4	Battery voltage		\	V		24	
e		6.5	Battery weight (± 5%)		lb.	kg		400	181
É8.4Noise level at operator's eardB(A)<70<70	Others	8.1	Type of drive control					LAC	LAC
		8.4	Noise level at operator's ear		dB(A)			<70	<70

1) (± 5 mm) 2) Forks raised / lowered 3) (± 10%)

4) Cushion - solid rubber + polyurethane5) With creep speed = tiller in vertical position, includes 8 inch operating clearance

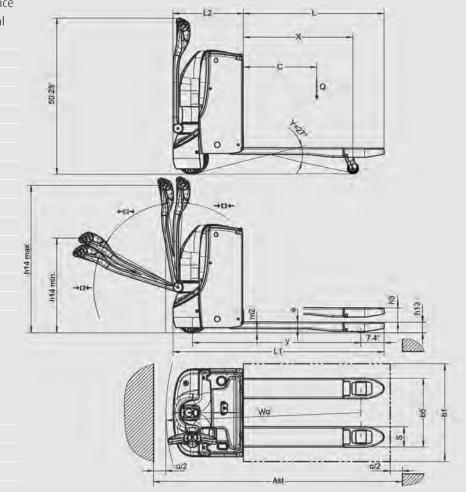
# Standard equipment / Optional equipment

## Standard Equipment

Sinergo®, operator / truck interface

- Tiller-arm with low mounting point
- Exxtral® motor and battery compartment cover
- Creep speed control
- Proportional speed control
- End-of-stroke tiller-arm dampening
- Storage compartments

Multifunction display with hourmeter, maintenance indicator, battery discharge indicator and internal fault code display AC motor Linde LAC controller Key switch Horn CAN-bus technology Electromagnetic brake Automatic parking brake Cushion rubber drive wheel Single polyurethane load wheels Fork length: 47" (nominal) Width across forks: 27"(nominal) Standard protection to 20°F Pallet entry and exit rollers Caster wheels



### **Optional equipment**

Drive wheels (variations) Alternative fork lengths and widths Load backrest Pin code access Cold storage protection

Check with dealer/factory for additional equipment availability.

# Features

### Steering system

- → Proportional speed control varies truck speed automatically in relation to tiller-arm angle for safe, comfortable and productive operation
- → A creep speed button ensures high maneuverability in confined areas when operating at low speeds with the tiller-arm in the upright position
- → End-of-stroke resistance on the tiller-arm avoids accidental, abrupt braking
- → Soft fold-back slows down the tiller-arm when returning to upright position

#### Working station & Display

- → Wide, deep storage compartment for shrink wrap, pens, markers etc.
- → Strong plastic Exxtral® motor and battery cover
- → Multifunction display as standard with hourmeter, maintenance indication, battery discharge indicator, fault code indication



### Tiller-arm & Control handle

- → The ergonomic Grivory® material ensures effortless operation
- $\rightarrow$  Wrap-around hand protection
- → Comfortable controls, operable with either hand and gloves

#### AC motor & Booster effect

- → Powerful, smooth-running AC motor, 1.2kW (at 100% output)
- → Traction speed adjustable
- → Booster effect provides momentary torque increase
- $\rightarrow$  No roll-back on hill starts
- → Gradient performance: 24% unladen, 10% with full load



### Braking system

- → Highly efficient electromagnetic brake applied by moving the tiller-arm to fully up or down position
- → Automatic deceleration when releasing traction butterfly or reversing direction
- → Truck slows before coming to a stop, remaining under total control at all times



Batteries and Chargers

- $\rightarrow$  Vertical battery change
- $\rightarrow$  Battery capacities from 150 Ah to 375 Ah



### Maintenance and CAN-bus technology

- → Zero maintenance, moisture and dust-proof AC motors
- → CAN-bus technology enables fast, easy access to all truck data
- → Individually adjustable operating parameters
- → Quick and convenient access to all components

### For more information on Linde material handling equipment, please contact:

KION North America Corporation 2450 West 5th North Street, Summerville, SC 29483 Phone: (843) 875-8000 Truck Sales Fax: (843) 875-8471 E-mail: trucksales.na@kiongroup.com www.kion-na.com



# linde\_spec\_series 1151\_T20\_0415 USA\_v13.1\_040115