#### MOVE THE WORLD FORW>RD MITSUBISHI HEAVY INDUSTRIES GROUP



WHEN RELIABILITY IS EVERYTHING...



# **BIG PERFORMANCE... IN SMALL SPACES**

With intuitive controls, an ergonomic, spacious cabin and excellent visibility, **ELEVIA** is an operator's dream. Modular design and engineering.

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ELEVIA

High visibility mast

Each **ELEVIA** model in the range is fully optimised for a specific type of application, making for a comprehensive and versatile selection of trucks. The 1.1 - 1.3 ton models are available with 48v or 80v electrical systems, while larger models are 80v only.

#### MAST AND FORK ASSEMBLY

• Duplex mast available for all lifting heights for added stability, lower energy consumption, and higher lifting speed.

Highly optimised mast using the FEM method to achieve the deal stability and weight.

• High visibility mast affording the operator excellent vision.

#### FRAME AND BODY

• **Optimised body design** resulting in less load, less wear, less energy consumption and higher performance.

• Guide rollers in front of load wheels to ensure optimal guidance and prevent damage to the load wheels.

Easy access to battery for quick changes. Short truck length ideal for

small transfer aisles.

### DRIVE

• Adjustable load wheel height allows a single wheel - rather than all wheels to be changed if damaged.

#### BRAKES

• Low centre of gravity and low vehicle weight mean no need for a load wheel brake and fewer parts to service.

> \* NVT15XL and NVT20 models are available on request for specific applications. 19 metre lift height is only possible with NVT15XL

### **EXCEPTIONAL CONTROL**





#### OPERATOR COMPARTMENT AND CONTROLS

- Spacious operator cabin with plenty of leg room to suit operators of all sizes.
- · Narrow rail at the front of cabin makes order picking easy.
- **Tilting side gates (option)** help with order picking as operator can reach up to 20cm further into the shelf.
- Five different control panels available allowing your operators to have a familiar setup.
- Control panel can be placed for standing or sitting operation for optimal ergonomics during a shift.
- Velour-covered cabin walls and thick cushioned floor make for a more comfortable environment for operators.
- Overhead guard has 4 LED spotlights and compartment for emergency rope for added safety.
- Choice of seats with features including air-cushioning, adjustable lumbar support, downward-folding cushion and standing operator back support.
- **Tilting console as an option** can be swivelled left or right for easier front access and order picking.
- Clear graphics display makes key information easy to read.





#### **OTHER FEATURES**

- Can be lowered and driven at a height of 2400mm for convenient transportation.
- Can be equipped with telescopic fork.



Telescopic fork

Fan in cabin

Dual load wheels



Control panel with ball handle bar

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VNT15XL

ELEVIA

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# **SPECIFICATIONS**

Immunication         Misubalish Forket Tracks         Misubalish Forket Tracks           1         Misubalish Torket Multi Tracks         Witti Misubalish Forket Tracks         Witti Misubalish Forket Tracks           2         Misubalish Forket Tracks         Witti Misubalish Forket Tracks         Witti Misubalish Forket Tracks           3         Exercise         Standing Statish         Standing Statish         Standing Statish           4         Operating Statish         Standing Statish         Standing Statish         Standing Statish           5         Torke weight, willow the file         0         Misubalish Forket Tracks         Standing Statish           9         Torke weight, willow the file         y         mm         1760         4950 - 5800           10         Misubalish Forket Tracks         y         mm         1460         4950 - 5800           11         Misubalish Forket Tracks         y         mm         1460         1560/4580, 1900/5100           12         Misubalish Forket Track         y         mm         343 / 140         343 / 140           13         Tyre dimensions, fork side         mm         343 / 140         343 / 140         313 / 160           14         High thin the at board the bight         hid <mm< td="">         See Table         See Tab</mm<>		CHARACTERISTICS				
2         Mundaturer's model designation         Image: Mundaturer's model designation         Multi 1         Multi 2           4         Operator type         Standing / Seated         Standing / Seated         Standing / Seated           5         Load openabr         Q         kg         1100         1200           6         Load openabr         Q         mm         600         600           7         Load destance, adve fork face         xk1         mm         355 / 255         357 / 255           8         Wineshaw         ymm         1780         1845           7         Tock weight, without load, fork / rear         kg         4400 - 5600         4450 - 5800           7         Tock weight, without load, fork / rear         kg         160044400, 150/4800         4650-5800           8         Avie Loading with maximum load, form / rear         kg         160044400, 150/4800         1650/4500, 1500/5100           9         Tyree timesons, dow aide         mm         343 / 140         343 / 140           10         Holeght with mast lowered         h1 <mm< td="">         Sac Table         Sac Table           10         Holeght with mast downed         h1<mm< td="">         Sac Table         Sac Table           10         Holeght with</mm<></mm<>	1				Mitsuhishi Forklift Trucks	Mitsubishi Forklift Trucks
Image: Power source         Electric         Electric           4         Operator type         Standing / Soatad         Standing / Soatad           6         Load control distance         c         mm         600         600           6         Load control distance         c         mm         600         600           7         Load distance able for Kinee         x/n         mm         600         600           8         Wheelbaare         y         mm         1780         1845           7         Track weight, without found / including battery         kg         4500 - 5600         4450 - 5600           9         Track weight, without fond / range (mp km small, lowest iff height)         kg         1600/4400; 1850/4850         1650/4500; 1900/5100           10         WHEELS (DIVETTAIN         kg         1600/4400; 1850/4850         1650/4500; 1900/5100           11         Marke lowing / inducing battery         kg         1600/4400; 1850/4850         1650/4500; 1900/5100           12         WHEELS (DIVETTAIN         kg         1600/4400; 1850/4850         1650/4500; 1900/5100           14         WHEELS (DIVETTAIN         kg         1700/1110         343 / 140         343 / 140           13         Trace intheint kine kee d						
4         Operator hyse         Standing / Seated         Standing / Seated         Standing / Seated           5         Load capacity         0         kg         1100         1200           6         Load capacity         0         kg         1100         600           7         Load chance, axle tork face         xxl         mm         355 / 255         356 / 255           8         Miteoliase         y         mm         1780         18445           Visual distance, axle tork face           9         Track veight, with maximum load, four / rare (simpla x maxi, lowest iff height)         kg         1600/4400; 1850/4850         1650/4500; 1900/5100           11         Axle loading with maximum load, four / rare (simpla x maxi, lowest iff height)         kg         1200/2800; 2400/3200         2150/2800; 2450/350           12         Tyre dimensions, dire side         mm         343 / 140         343 / 140           13         Tyre dimensions, dire side         mm         343 / 140         343 / 140           13         Tyre dimensions, dire side         mm         343 / 140         343 / 140           14         Tyre dimensions, dire side         See Table         See Table         See Table           16         Height with mast lowor		-				
5         Load capacity         0         kg         1100         1200           6         Load camber detainee, ale to fork face         x/x1         mm         355 / 255         355 / 255           8         Wheelbase         y         mm         1780         1845           9         Track weight, without lined / including battery         kg         4900 - 5600         4950 - 5800           10         Acke loading with maximum load, front / rear (simple x mast, lowest iff height)         kg         2100/2800; 2400/3200         2150/2800; 2450/3350           11         Akke loading withan take, tont / fuer (simple x mast, lowest iff height)         kg         2100/2800; 2400/3200         2150/2800; 2450/3350           11         Prof themesons, dive side         mm         343 / 140         343 / 140         343 / 140           13         Type dimensions, dive side         mm         343 / 140         343 / 140         343 / 140           14         Type dimensions, dive side         mm         343 / 140         343 / 140         343 / 140           15         Number of wheels, load / drive side (x = driven)         2 / 1 x         2 / 1 x         2 / 1 x           16         Height with mast towered         h1         mm         See Table         See Table						
6         Load center detaince         c         mm         800         600           7         Load distance, axie to for face         x/n1         mm         355 / 255         355 / 255           8         Wheelbase         y         mm         730         345           9         Track weight         Wheelbase         y         mm         730         345           9         Track weight without load, find, for face         kg         4900 - 5600         4950 - 5800           10         Axle loading without load, for face         kg         2100/2801; 2400/3200         2150/2800; 2450/3350           11         Axle loading without load, for face (imple x mast, lowest lift height)         kg         2100/2801; 2400/3200         2150/2800; 2450/3350           12         Trees: Fire face (imple x mast, lowest lift height)         kg         2100/2801; 2400/3200         2150/2800; 2450/3350           13         Tyre dimensions, face side         mm         343 / 140         343 / 140         343 / 140           13         Tyre dimensions, face side         mm         343 / 140         343 / 140         343 / 140           14         Tyre dimensions, face side         mm         343 / 140         343 / 140         345 / 140           17 <td< td=""><td></td><td></td><td>0</td><td>l i m</td><td>-</td><td>-</td></td<>			0	l i m	-	-
Image: Product of the set of profile set of						
8         Weight without load / including battery processing x mask, uwest in the hight and without load / including battery processing x mask, uwest in the hight and without load / including battery and without load / including battery and without load / including battery and without load, forth / rear simple x mask, uwest if the hight and battery without load, forth / rear simple x mask, uwest if the hight and battery without load, forth / rear simple x mask, uwest if the hight and battery without load, forth / rear simple x mask, uwest if the hight and battery without load, forth / rear simple x mask, uwest if the hight and the prover Thane, Without load, forth / rear simple x mask, uwest if the hight and the prover Thane, Without load, forth / rear simple x mask, uwest if the hight and the prover Thane, Without load, forth / rear simple x mask, uwest if the hight and the prover thane, Without load, forth / rear simple x mask, uwest if the hight and the prover thane, Without load, forth / rear simple x mask, uwest if the hight and the prover thane, Without load, forth / rear simple x mask, uwest if the hight and the prover thane, Without load, forth / rear simple x mask, uwest if the hight and the prover thane, Without load, forth / rear simple x mask, uwest if the hight and the prover thane, Without load, forth / rear simple x mask, uwest if the hight and the prover thane, Without load, forth / rear simple x mask, uwest if the hight and the prover thane, Without load, forth and the prover thane, Without load, forth and the prover thane, Without load, forth / rear simple x mask, uwest if the hight and the prover thane, Without load, forth and the provery the prover thane, Without load, fo						
WEIGHT         kg         400 - 5600         4950 - 5800           9         Track weight, whows if it height)         kg         1600/4400; 1850/4850         1650/4500; 1900/5100           10         Ake leading with maximum lead, front / rear (simple X maxi, lowest lift height)         kg         2100/2800; 2400/3200         2150/2800; 2450/3350           11         Ake leading without lead, front / rear (simple X maxi, lowest lift height)         kg         2100/2800; 2400/3200         2150/2800; 2450/3350           11         Wheeles, load / dive side         mm         343 / 140         343 / 140         343 / 140           12         Tyre dimensions, dive side         mm         343 / 140         343 / 140         343 / 140           13         Number of wheels, load / dive side (x = driven)         2 / 1 x         2 / 1 x         2 / 1 x           16         Height with mast extended         h4 <mm< td="">         See Table         See Table         See Table           18         Height with mast extended         h4<mm< td="">         See Table         See Table         See Table           19         Height with mast extended         h12<mm< td="">         See Table         See Table         See Table           10         Supplementary iff         h19<mm< td="">         1900         1300         1100         1102</mm<></mm<></mm<></mm<>			x/x1	mm		
9         Tack weight, without lead / including battery (imple x maxi, lowest if height)         kg         4900 - 5600         4950 - 5800           10         Adle loading with maximum load, fort / rear (imple x maxi, lowest if height)         kg         1600/4400; 1850/4500         1500/4500; 1900/5100           11         Adle loading with maximum load, fort / rear (imple x maxi, lowest if height)         kg         2100/2800; 2400/3200         2150/2800; 2450/3350           11         Adle loading withol load, fort / rear (simple x masi, lowest lift height)         kg         2100/2800; 2400/3200         2150/2800; 2450/3350           12         Tyre: dimensions, dive side         mm         343 / 140         343 / 140         343 / 140           13         Number of wheels, land / drive side (x = driven)         2 / 1 x         2 / 1 x         2 / 1 x           14         Tyre dimensions, had side         10         mm         See Table         See Table           15         Height with mast lowered         11         mm         See Table         See Table         See Table           16         Height with mast lowered         11         mm         See Table         See Table         See Table           17         Lift height, fully lowered         11         mm         See Table         See Table         See Table	8		У	mm	1780	1845
3         (single x inst, lowest iff height)         1         (Ho)         <		WEIGHT	1			
Image:         Mark Intervent         Mark Intervent<	9			kg	4900 - 5600	4950 - 5800
WHEELS, DRIVETRAIN           12         Tyres: PT = Power Thane, Vid = Vulkolian, P = Polyurethane, N = Nykon, N = Rubber drive / load side         P         P           13         Tyre dimensions, ford side         mm         343 / 140         343 / 140           14         Tyre dimensions, ford side         mm         343 / 140         343 / 140           15         Number of wheels, load / drive side (x = driven)         2 / 1 x         2 / 1 x           16         Height with mast lowered         h1         mm         See Table         See Table           16         Height with mast extended         h4         mm         See Table         See Table           17         Lift height         h36 / h13         mm         See Table         See Table           18         Height with mast extended         h6         mm         See Table         See Table           18         segle thanelinary iff         h7         mm         See Table         See Table           19         Height with fork carrier width 580 mm         h13         mm         80         80           20         Pork leight, fully lowered         h13         mm         320 - 3280         3335 - 3282 - 3282 - 3282           30         Operall leight with fork carrier width 580 mm </td <td>10</td> <td></td> <td></td> <td>kg</td> <td>1600/4400; 1850/4850</td> <td>1650/4500; 1900/5100</td>	10			kg	1600/4400; 1850/4850	1650/4500; 1900/5100
12         Tyres: PT = Power Thene, Vul = Vulkollan, P = Polyurethane, N = Myton, R = Rubber drive / load side         p         p           13         Tyre dimensions, drive side Vrye dimensions, drive side (x = driven)         343 / 140         343 / 140           14         Tyre dimensions, drive side (x = driven)         2 / 1 x         2 / 1 x           DIMENSIONS         2 / 1 x         2 / 1 x           DIMENSIONS         2 / 1 x         2 / 1 x           DIMENSIONS         580 - Table         See Table         See Table           16         Height with mast extended         h4         mm         See Table         See Table           18         Height vith mast extended         h6         mm         See Table         See Table           19         Height to top of overhead guard         h7         mm         See Table         See Table           20         Seat of stand height         h12         mm         See Table         See Table           21         Picking height         mm         h12         mm         Seat of stand height         Seat of stand height           22         Picking height         mm         h13         mm         80         80           23         Picking height         mm         h13 mm         <	11	Axle loading without load, front / rear (simple x mast, lowest lift height)		kg	2100/2800; 2400/3200	2150/2800; 2450/3350
I <sup>2</sup> <thi<sup>2         I<sup>2</sup> <thi<sup>2 <thi<sup></thi<sup></thi<sup></thi<sup>		WHEELS, DRIVE TRAIN				
14     Tyre dimensions, load side     mm     343 / 140     343 / 140       15     Number of wheels, load / drive side (x = driven)     2 / 1 x     2 / 1 x       DIMENSIONS       The Height with mast lowered     h1     mm     See Table     See Table     See Table       16     Height with mast lowered     h1     mm     See Table     See Table     See Table       17     Lift height     h1     mm     See Table     See Table     See Table       18     Height with mast lowered     h4     mm     See Table     See Table       19     Height with mast extended     h6     mm     See Table     See Table       19     Supplementary lift     h9     mm     1900     1900       20     Satar stand height     h13     mm     See Table     See Table       21     Fork height, table owered     h13     mm     80     80       25     Overall length with fork carrier width 580 mm     11     mm     3140     3203     3203     3203     3203     3203     3203     3203     3203     3203     3203     3203     3203     3203     3203     3203     320     3203     3203     3200     3200     320     320	12				Р	Р
15     Number of wheels, load / drive side (x = driven)     2 / 1 x     2 / 1 x       UNLENSIONS       16     Height with mast lowered     h1     mm     See Table     See Table       17     Lift height     h3G+h13     mm     See Table     See Table       18     Height with mast towered     h4     mm     See Table     See Table       18     Height with mast towered     h4     mm     See Table     See Table       20     Seat or stand height     h7     mm     See Table     See Table       21     Supplementary lift     h9     mm     1900     1900       22     Picking height     mm     h12     mm     See Table     See Table       23     Picking height     mm     h13     mm     80     80       24     Picking height     mm     h13     mm     80     80       25     Overall length with fork carrier width 580 mm     11     mm     3275 - 3365 - 3465     3335 - 3425 - 3525       26     Overall width (steps 50 mm)     11     mm     3140 - 520 - 650     460 - 550 - 650       26     Fork dimensions (length)     se mm     300 - 1300     800 - 1300       27     Fork dimensions (length)     se mm     <	13	Tyre dimensions, drive side		mm	343 / 140	343 / 140
15     Number of wheels, load / drive side (x = driven)     2 / 1 x     2 / 1 x       UNLENSIONS       16     Height with mast lowered     h1     mm     See Table     See Table       17     Lift height     h3G+h13     mm     See Table     See Table       18     Height with mast towered     h4     mm     See Table     See Table       18     Height with mast towered     h4     mm     See Table     See Table       20     Seat or stand height     h7     mm     See Table     See Table       21     Supplementary lift     h9     mm     1900     1900       22     Picking height     mm     h12     mm     See Table     See Table       23     Picking height     mm     h13     mm     80     80       24     Picking height     mm     h13     mm     80     80       25     Overall length with fork carrier width 580 mm     11     mm     3275 - 3365 - 3465     3335 - 3425 - 3525       26     Overall width (steps 50 mm)     11     mm     3140 - 520 - 650     460 - 550 - 650       26     Fork dimensions (length)     se mm     300 - 1300     800 - 1300       27     Fork dimensions (length)     se mm     <	14			mm	343 / 140	343 / 140
DIMENSIONS           16         Height with mast lowered         h1         mm         See Table         See Table </td <td>15</td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td> <td>2/1x</td> <td></td>	15	· · · · · · · · · · · · · · · · · · ·			2/1x	
17       Lift height       h3G+h13       mm       See Table       See Table         18       Height with mast extended       h4       mm       See Table       See Table         19       Height to top of overhead guard       h6       mm       See Table       See Table         19       Keight to top of overhead guard       h7       mm       See Table       See Table         20       Seat or stand height       h17       mm       See Table       See Table       See Table         21       Supplementary lift       h9       mm       1900       1900       1900         22       Platform height, raised       h12       mm       See Table       See Table       See Table         24       Fork height, fully lowered       h13       mm       80       80         25       Overall length with fork carrier width 580 mm       11       mm       3140 - 3230 - 3330       3200 - 3290 - 3390         26       Overall with fork carrier width 580 mm       b1       mm       1000 - 1700       1200 - 1700         27       Suppot hom length (standard)       M15       mm       460 - 550 - 650       40 / 40         27       Suppot hom length (standard)       M1       mm       1000 - 1700						
17       Lift height       h3G+h13       mm       See Table       See Table         18       Height with mast extended       h4       mm       See Table       See Table         19       Height to top of overhead guard       h6       mm       See Table       See Table         19       Keight to top of overhead guard       h7       mm       See Table       See Table         20       Seat or stand height       h17       mm       See Table       See Table       See Table         21       Supplementary lift       h9       mm       1900       1900       1900         22       Platform height, raised       h12       mm       See Table       See Table       See Table         24       Fork height, fully lowered       h13       mm       80       80         25       Overall length with fork carrier width 580 mm       11       mm       3140 - 3230 - 3330       3200 - 3290 - 3390         26       Overall with fork carrier width 580 mm       b1       mm       1000 - 1700       1200 - 1700         27       Suppot hom length (standard)       M15       mm       460 - 550 - 650       40 / 40         27       Suppot hom length (standard)       M1       mm       1000 - 1700	16		h1	mm	See Table	See Table
18         Height with mast extended         h4         mm         See Table         See Table           19         Height to top of overhead guard         h6         mm         See Table         See Table           20         Seat or stand height         h7         mm         See Table         See Table           21         Supplementary lift         h9         mm         1900         1900           22         Platform height, raised         h12         mm         See Table         See Table           23         Picking height         mm         h12 + 1600         h12 + 1600         h12 + 1600           24         Fork height, fully lowered         h13         mm         80         80           25         Overall length with fork carrier width 550 mm         11         mm         3140 - 3230 - 3330         3220 - 3290 - 3390           26         Overall with fork carrier width 580 mm         11         mm         3140 - 520 - 650         460 - 550 - 650           20         Verall with forks carrier width 580/850 mm)         b1         mm         1000 - 1700         1200 - 1700           21         Fork dimensions (flickness, width)         s/e         mm         40 / 120         40 / 120           30         For		-				
19         Height to top of overhead guard         h6         mm         See Table         See Table           20         Seat or stand height         h7         mm         See Table         See Table           21         Supplementary lift         h9         mm         1900         1900           21         Stepform height, raised         h12         mm         See Table         See Table           23         Proking height         mm         h12 + 1600         h12 + 1600         h12 + 1600           24         Fork height, fully lowered         h13         mm         80         80           25         Overall length with fork carrier width 850 mm         11         mm         3140 - 3230 - 3330         3200 - 3290 - 3390           26         Overall length with fork carrier width 580 mm         11         mm         3140 - 3230 - 3330         3200 - 3290 - 3390           27         Support boom length (standard)         M15         mm         460 - 550 - 650         460 - 550 - 650           28         Overall weight (steps 50 mm)         b1         mm         1000 - 1700         1200 - 1700           29         Fork dimensions (thickness, width 580/850 mm)         b5         mm         50/505 / 505         50/50 / 50.		-		-		
20         Seat or stand height         h7         mm         See Table         See Table           21         Supplementary lift         h9         mm         1900         1900           22         Platform height, raised         h12         mm         See Table         See Table           22         Platform height, raised         h12         mm         See Table         See Table           24         Fork height, fully lowered         h13         mm         See Table         See Table           24         Fork height, fully lowered         h13         mm         80         80           25         Overall length with fork carrier width 580 mm         11         mm         3275 - 3365 - 3465         3335 - 3425 - 3525           20         Overall length with fork carrier width 580 mm         11         mm         3275 - 0.650         460 - 550 - 650           28         Overall width (steps 50 mm)         b1         mm         1000 - 1700         1200 - 1700           29         Fork dimensions (linckness, width)         s/e         mm         800 - 1300         800 - 1300           30         Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise         Ast         mm         See Table         See Table		-				
Patrom height, raised         h9         mm         1900         1900           22         Platform height, raised         h12         mm         See Table         See Table           33         Picking height         mm         h12         mm         Machine         h12           4         Fork height, fully lowered         h13         mm         80         80           5         Overall length with fork carrier width 850 mm         11         mm         3275 - 3365 - 3465         3335 - 3425 - 3525           6         Overall length with fork carrier width 850 mm         11         mm         3140 - 3230 - 3330         3200 - 2290 - 3390           7         Support boom length (standard)         M15         mm         460 - 550 - 650         460 - 550 - 650           80         Overall width (steps 50 mm)         b1         mm         1000 - 1700         1200 - 1700           29         Fork dimensions (thickness, width)         s/e         mm         40 / 120         40 / 120           31         Width across forks (fork carrier width 580/850 mm)         b5         mm         530 / 505 - 795         530 / 505 - 795           32         Ground clearance at center of wheelbase, (forks lowered)         m2         mm         40         40     <						
22         Platform height, raised         h12         mm         See Table         See Table           23         Pleking height         mm         h12 + 1600         h12 + 1600           24         Fork height, fully lowered         h13         mm         80         80           25         Overall length with fork carrier width 850 mm         I1         mm         3275 - 3365 - 33455         33350         3200 - 3290 - 3390           27         Support boom length (standard)         M15         mm         460 - 550 - 650         460 - 550 - 650           20 Verall width (steps 50 mm)         b1         mm         1000 - 1700         1200 - 1700           29         Fork dimensions (thickness, width)         s/e         mm         460 - 550 - 650         460 - 550 - 650           30         Fork dimensions (thickness, width)         s/e         mm         400 - 120         40 / 120           31         Width across forks (fork carrier width 580/850 mm)         b5         mm         530 / 505 - 795         530 / 505 - 795           32         Ground clearance at center of wheelbase, (forks lowered)         m2         mm         40         40           33         Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise         Ast         mm         See		-				
23         Picking height         mm         h12 + 1600         h12 + 1600           24         Fork height, fully lowered         h13         mm         80         80           25         Overall length with fork carrier width 850 mm         I1         mm         3275 - 3365 - 3465         3335 - 3425 - 3525           26         Overall length with fork carrier width 580 mm         I1         mm         3140 - 3230 - 3330         3200 - 3290 - 3390           27         Support boom length (standard)         M15         mm         460 - 550 - 650         460 - 550 - 650           28         Overall width (steps 50 mm)         b1         mm         1000 - 1700         1200 - 1700           29         Fork dimensions (thickness, width)         s/e         mm         40 / 120         40 / 120           30         Fork dimensions (thickness, width)         i         mm         800 - 1300         800 - 1300           31         Width across forks (fork carrier width 580/850 mm)         b5         mm         530 / 505 - 795         530 / 505 - 795           32         Ground clearance at center of wheelbase, (forks lowered)         m2         mm         40         40           33         Working aisle width (Ast) with 1000 x 1200 mm pallets, load lengthwise         Ast         mm<						
24         Fork height, fully lowered         h13         mm         80         80           25         Overall length with fork carrier width 850 mm         l1         mm         3275 - 3365 - 3465         3335 - 3425 - 3525           26         Overall length with fork carrier width 580 mm         l1         mm         3140 - 3230 - 3330         3200 - 3290 - 3390           27         Support boom length (standard)         M15         m         460 - 550 - 650         460 - 550 - 650           28         Overall width (step 50 mm)         b1         mm         1000 - 1700         1200 - 1700           29         Fork dimensions (thickness, width)         s/e         mm         40 / 120         40 / 120           30         Fork dimensions (thickness, width)         s/e         mm         800 - 1300         800 - 1300           31         Width across forks (fork carrier width 580/850 mm)         b5         mm         530 / 505 - 795         530 / 505 - 795           32         Ground Clearance at center of wheelbase, (forks lowerd)         m2         mm         40         40           34         Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise         Ast         mm         See Table         See Table           34         Working aisle width (Ast) with 000 x 12		- ·	1112			
25       Overall length with fork carrier width 850 mm       11       mm       3275 - 3365 - 3465       3335 - 3425 - 3525         26       Overall length with fork carrier width 580 mm       11       mm       3140 - 3230 - 3330       3200 - 3290 - 3390         27       Support boon length (standard)       M15       mm       460 - 550 - 650       460 - 550 - 650         28       Overall width (steps 50 mm)       b1       mm       1000 - 1700       1200 - 1700         29       Fork dimensions (thickness, width)       s/e       mm       40/ 120       40/ 120         30       Fork dimensions (thickness, width)       I       mm       800 - 1300       800 - 1300         31       Width across forks (fork carrier width 580/850 mm)       b5       mm       530 / 505 - 795       530 / 505 - 795         32       Ground clearance at center of wheelbase, (forks lowered)       m2       mm       40       40         33       Working aisle width (Ast) with 800 x 1200 mm pallets, load crosswise       Ast       mm       See Table       See Table         34       Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise       Wa mm       2080       2145         PERFORMANCE         36       Travel speed, with / without load       m% <td< td=""><td></td><td></td><td>h10</td><td></td><td></td><td></td></td<>			h10			
26         Overall length with fork carrier width 580 mm         11         mm         3140 - 3230 - 3330         3200 - 3290 - 3390           27         Support boom length (standard)         M15         mm         460 - 550 - 650         460 - 550 - 650           28         Overall width (steps 50 mm)         b1         mm         1000 - 1700         1200 - 1700           29         Fork dimensions (thickness, width)         s/e         mm         40 / 120         40 / 120           30         Fork dimensions (thickness, width)         s/e         mm         400 - 1300         800 - 1300           31         Width across forks (fork carrier width 580/850 mm)         b5         mm         530 / 505 - 795         530 / 505 - 795           2         Ground clearance at center of wheelbase, (forks lowered)         m2         mm         40         40           33         Working aisle width (Ast) with 1000 x 1200 mm pallets, load lengthwise         Ast         mm         See Table         See Table           34         Turning radius         Wa         mm         2080         2145           PERFORMANCE           36         Travel speed, with / without load         m/s         0.32 / 0.40 <sup>10</sup> 0.31 / 0.40 <sup>10</sup> 34         Loring radius		• • •	-			
27         Support boom length (standard)         M15         mm         460 - 550 - 650         460 - 550 - 650           28         Overall width (steps 50 mm)         b1         mm         1000 - 1700         1200 - 1700           29         Fork dimensions (thickness, width)         s/e         mm         40 / 120         40 / 120           30         Fork dimensions (tength)         I         mm         800 - 1300         800 - 1300           31         Width across forks (tork carrier width 580/850 mm)         b5         mm         530 / 505 - 795         530 / 505 - 795           32         Ground clearance at center of wheelbase, (forks lowered)         m2         mm         40         40           34         Working aisle width (Ast) with 000 x 1200 mm pallets, load lengthwise         Ast         mm         See Table         See Table           35         Turning radius         Wa         mm         2080         2145           PERFORMANCE           36         Travel speed, with / without load         m/s         0.32 / 0.40 <sup>10</sup> 0.31 / 0.40 <sup>10</sup> 37         Lifting speed, with / without load         m/s         0.32 / 0.40 <sup>10</sup> 0.31 / 0.40 <sup>10</sup> 38         Lowering speed, with / without load         m/s						
28         Overall width (steps 50 mm)         b1         mm         1000 - 1700         1200 - 1700           29         Fork dimensions (thickness, width)         s/e         mm         40 / 120         40 / 120           30         Fork dimensions (tength)         I         mm         800 - 1300         800 - 1300           31         Width across forks (fork carrier width 580/850 mm)         b5         mm         530 / 505 - 795         530 / 505 - 795           32         Ground clearance at center of wheelbase, (forks lowered)         m2         mm         40         40           33         Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise         Ast         mm         See Table         See Table           34         Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise         Ast         mm         2080         2145 <b>PERFORMANCE See Table</b> See Table           See Table         See Table           See Table         See Table           See Table         See Table           Turning radius           PERFORMANCE           See Table         See Table           See Table		-				
29         Fork dimensions (thickness, width)         s/e         mm         40 / 120         40 / 120           30         Fork dimensions (length)         I         mm         800 - 1300         800 - 1300           31         Width across forks (fork carrier width 580/850 mm)         b5         mm         530 / 505 - 795         530 / 505 - 795           32         Ground clearance at center of wheelbase, (forks lowered)         m2         mm         40         40           33         Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise         Ast         mm         See Table         See Table           34         Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise         Ast         mm         See Table         See Table           35         Turning radius         Wa         mm         20800         2145 <b>PERFORMANCE</b>						
30         Fork dimensions (length)         I         mm         800 - 1300         800 - 1300           31         Width across forks (fork carrier width 580/850 mm)         b5         mm         530 / 505 - 795         530 / 505 - 795           32         Ground clearance at center of wheelbase, (forks lowered)         m2         mm         40         40           33         Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise         Ast         mm         See Table         See Table           34         Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise         Ast         mm         See Table         See Table           35         Turning radius         Wa         mm         2080         2145           PERFORMANCE           36         Travel speed, with / without load         km//h         12.0 / 12.0         12.0 / 12.0           37         Lifting speed, with / without load         m/s         0.32 / 0.40 <sup>10</sup> 0.31 / 0.40 <sup>10</sup> 38         Lowering speed, with / without load         m/s         0.45 / 0.45         0.45 / 0.45           39         Reach speed laden/unladen (adjustable)         m/s         up to 0.45         up to 0.45           40         Service brakes (mechanical / hydraulic / electric / pneuma				mm		
31       Width across forks (fork carrier width 580/850 mm)       b5       mm       530 / 505 - 795       530 / 505 - 795         32       Ground clearance at center of wheelbase, (forks lowered)       m2       mm       40       40         33       Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise       Ast       mm       See Table       See Table         34       Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise       Ast       mm       See Table       See Table         35       Turning radius       Wa       mm       2080       2145         PERFORMANCE         36       Travel speed, with / without load       km/h       12.0 / 12.0       12.0 / 12.0         37       Lifting speed, with / without load       m/s       0.32 / 0.40 <sup>1)</sup> 0.31 / 0.40 <sup>1)</sup> 38       Lowering speed, with / without load       m/s       0.45 / 0.45       0.45 / 0.45         39       Reach speed laden/unladen (adjustable)       m/s       up to 0.45       up to 0.45         39       Reach speed laden/unladen (adjustable)       m/s       up to 0.45       0.45 / 0.45         40       Service brakes (mechanical / hydraulic / electric / pneumatic)       Electric       Electric         41       Drive			s/e			
32Ground clearance at center of wheelbase, (forks lowered)m2mm404033Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswiseAstmmSee TableSee Table34Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwiseAstmmSee TableSee Table35Turning radiusWamm20802145PERFORMANCE36Travel speed, with / without loadm/s0.32 / 0.40 <sup>1</sup> )0.31 / 0.40 <sup>1</sup> )37Lifting speed, with / without loadm/s0.45 / 0.450.45 / 0.4539Reach speed laden/unladen (adjustable)m/sup to 0.45up to 0.4540Service brakes (mechanical / hydraulic / electric / pneumatic)ElectricElectricELECTRIC MOTORS41Drive motorkW5.05.042Lift motorkW12.5 <sup>1</sup> )12.5 <sup>1</sup> )43Battery voltage/capacity at 5-hour dischargeV/Ah48 / 775 <sup>2).3)</sup> 48 / 930 <sup>2).3)</sup> 44Battery weightkg11181309MISCELLANEOUS45Type of drive controlSteplessStepless			1			
33Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise AstAstmmSee TableSee Table34Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise AstAstmmSee TableSee Table35Turning radiusWamm20802145PERFORMANCE36Travel speed, with / without loadkm/h12.0 / 12.012.0 / 12.037Lifting speed, with / without loadm/s0.32 / 0.40 <sup>1)</sup> 0.31 / 0.40 <sup>1)</sup> 38Lowering speed, with / without loadm/s0.45 / 0.450.45 / 0.4539Reach speed laden/unladen (adjustable)m/sup to 0.45up to 0.4540Service brakes (mechanical / hydraulic / electric / pneumatic)ElectricElectricELECTRIC MOTORS41Drive motorkW5.05.042Lift motorkW12.5 <sup>1)</sup> 12.5 <sup>1)</sup> 43Battery voltage/capacity at 5-hour dischargeV/Ah48 / 775 <sup>2).0</sup> 48 / 930 <sup>2).0)</sup> 44Battery weightkg11181309MISCELLANEOUSSteplessStepless				mm		
34         Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise         Ast mm         See Table         See Table           35         Turning radius         Wa         mm         2080         2145           PERFORMANCE           36         Travel speed, with / without load         km/h         12.0 / 12.0         12.0 / 12.0           37         Lifting speed, with / without load         m/s         0.32 / 0.40 <sup>1</sup> )         0.31 / 0.40 <sup>1</sup> 38         Lowering speed, with / without load         m/s         0.45 / 0.45         0.45 / 0.45           39         Reach speed laden/unladen (adjustable)         m/s         up to 0.45         up to 0.45           40         Service brakes (mechanical / hydraulic / electric / pneumatic)         Electric         Electric           41         Drive motor         kW         5.0         5.0           42         Lift motor         kW         12.5 <sup>1</sup> )         12.5 <sup>1</sup> )           43         Battery voltage/capacity at 5-hour discharge         V/Ah         48 / 775 <sup>2</sup> )         48 / 930 <sup>21.3)</sup> 44         Battery weight         kg         1118         1309           WISCELLANEOUS         1118         1309         1309				mm		
35         Turning radius         Wa         mm         2080         2145           PERFORMANCE           36         Travel speed, with / without load         km/h         12.0 / 12.0         12.0 / 12.0           37         Lifting speed, with / without load         m/s         0.32 / 0.40 <sup>1</sup> )         0.31 / 0.40 <sup>1</sup> )           38         Lowering speed, with / without load         m/s         0.45 / 0.45         0.45 / 0.45           39         Reach speed laden/unladen (adjustable)         m/s         up to 0.45         up to 0.45           40         Service brakes (mechanical / hydraulic / electric / pneumatic)         Electric         Electric           ELECTRIC MOTORS           41         Drive motor         kW         5.0         5.0           42         Lift motor         kW         12.5 <sup>1</sup> )         12.5 <sup>1</sup> )           43         Battery voltage/capacity at 5-hour discharge         V/Ah         48 / 775 <sup>2) 3)</sup> 48 / 930 <sup>2) 3)</sup> 44         Battery weight         kg         1118         1309           MISCELLANEOUS           45           45         Type of drive control	33		Ast	mm	See Table	See Table
PERFORMANCE           36         Travel speed, with / without load         km/h         12.0 / 12.0         12.0 / 12.0           37         Lifting speed, with / without load         m/s         0.32 / 0.40 <sup>1</sup> )         0.31 / 0.40 <sup>1</sup> )           38         Lowering speed, with / without load         m/s         0.45 / 0.45         0.45 / 0.45           39         Reach speed laden/unladen (adjustable)         m/s         up to 0.45         up to 0.45           40         Service brakes (mechanical / hydraulic / electric / pneumatic)         Electric         Electric           41         Drive motor         kW         5.0         5.0           42         Lift motor         kW         12.5 <sup>1</sup> )         12.5 <sup>1</sup> )           43         Battery voltage/capacity at 5-hour discharge         V/Ah         48 / 775 <sup>2(3)</sup> 48 / 930 <sup>2(3)</sup> 44         Battery weight         kg         1118         1309           HISCELLANEOUS           45         Type of drive control         Stepless         Stepless	34	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	mm	See Table	See Table
36         Travel speed, with / without load         km/h         12.0 / 12.0         12.0 / 12.0           37         Lifting speed, with / without load         m/s         0.32 / 0.40 <sup>1</sup> )         0.31 / 0.40 <sup>1</sup> )           38         Lowering speed, with / without load         m/s         0.45 / 0.45         0.45 / 0.45           39         Reach speed laden/unladen (adjustable)         m/s         up to 0.45         up to 0.45           40         Service brakes (mechanical / hydraulic / electric / pneumatic)         Electric         Electric           41         Drive motor         kW         5.0         5.0           42         Lift motor         kW         12.5 <sup>1</sup> )         12.5 <sup>1</sup> )           43         Battery voltage/capacity at 5-hour discharge         V/Ah         48 / 775 <sup>21.3)</sup> 48 / 930 <sup>21.3)</sup> 44         Battery weight         kg         1118         1309           HISCELLANEOUS	35	Turning radius	Wa	mm	2080	2145
37         Lifting speed, with / without load         m/s         0.32 / 0.40 <sup>1</sup> )         0.31 / 0.40 <sup>1</sup> )           38         Lowering speed, with / without load         m/s         0.45 / 0.45         0.45 / 0.45           39         Reach speed laden/unladen (adjustable)         m/s         up to 0.45         up to 0.45           40         Service brakes (mechanical / hydraulic / electric / pneumatic)         Electric         Electric           VELECTRIC MOTORS         Veltor         kW         5.0         5.0           41         Drive motor         kW         12.5 <sup>1</sup> )         12.5 <sup>1</sup> )           43         Battery voltage/capacity at 5-hour discharge         V/Ah         48 / 775 <sup>2/3</sup> )         48 / 930 <sup>2/3</sup> )           44         Battery weight         kg         1118         1309           HISCELLANEOUS           45         Type of drive control         Stepless         Stepless		PERFORMANCE				
38         Lowering speed, with / without load         m/s         0.45 / 0.45         0.45 / 0.45           39         Reach speed laden/unladen (adjustable)         m/s         up to 0.45         up to 0.45           40         Service brakes (mechanical / hydraulic / electric / pneumatic)         Electric         Electric           41         Drive motor         kW         5.0         5.0           42         Lift motor         kW         12.5 <sup>1</sup> )         12.5 <sup>1</sup> )           43         Battery voltage/capacity at 5-hour discharge         V/Ah         48 / 775 <sup>2</sup> ) <sup>3</sup> )         48 / 930 <sup>2</sup> ) <sup>3</sup> )           44         Battery weight         kg         1118         1309           MISCELLANEOUS           45         Type of drive control         Stepless         Stepless	36	Travel speed, with / without load		km/h	12.0 / 12.0	12.0 / 12.0
39Reach speed laden/unladen (adjustable)m/sup to 0.45up to 0.4540Service brakes (mechanical / hydraulic / electric / pneumatic)ElectricElectricELECTRIC MOTORS41Drive motorKW5.05.042Lift motorkW12.5 <sup>1</sup> )12.5 <sup>1</sup> )43Battery voltage/capacity at 5-hour dischargeV/Ah48 / 775 <sup>2</sup> <sup>3</sup> )48 / 930 <sup>2</sup> <sup>1</sup> )44Battery weightkg11181309MISCELLANEOUS45Type of drive controlSteplessStepless	37	Lifting speed, with / without load		m/s	0.32 / 0.40 1)	0.31 / 0.40 1)
40       Service brakes (mechanical / hydraulic / electric / pneumatic)       Electric       Electric         41       Drive motor       kW       5.0       5.0         42       Lift motor       kW       12.5 <sup>1</sup> )       12.5 <sup>1</sup> )         43       Battery voltage/capacity at 5-hour discharge       V/Ah       48 / 775 <sup>2</sup> ) <sup>3</sup> )       48 / 930 <sup>2</sup> ) <sup>3</sup> )         44       Battery weight       kg       1118       1309         ISCELLANEOUS         45       Type of drive control       Stepless       Stepless	38	Lowering speed, with / without load		m/s	0.45 / 0.45	0.45 / 0.45
ELECTRIC MOTORS           41         Drive motor         kW         5.0         5.0           42         Lift motor         kW         12.5 <sup>1</sup> )         12.5 <sup>1</sup> )           43         Battery voltage/capacity at 5-hour discharge         V/Ah         48 / 775 <sup>2</sup> ) <sup>3</sup> )         48 / 930 <sup>2</sup> ) <sup>3</sup> )           44         Battery weight         kg         1118         1309           VISCELLANEOUS           45         Type of drive control         Stepless         Stepless	39	Reach speed laden/unladen (adjustable)		m/s	up to 0.45	up to 0.45
ELECTRIC MOTORS           41         Drive motor         kW         5.0         5.0           42         Lift motor         kW         12.5 <sup>1</sup> )         12.5 <sup>1</sup> )           43         Battery voltage/capacity at 5-hour discharge         V/Ah         48 / 775 <sup>2</sup> ) <sup>3</sup> )         48 / 930 <sup>2</sup> ) <sup>3</sup> )           44         Battery weight         kg         1118         1309           VISCELLANEOUS           45         Type of drive control         Stepless         Stepless	40	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric
41         Drive motor         kW         5.0         5.0           42         Lift motor         kW         12.5 <sup>1</sup> )         12.5 <sup>1</sup> )           43         Battery voltage/capacity at 5-hour discharge         V/Ah         48 / 775 <sup>2</sup> <sup>3</sup> )         48 / 930 <sup>2</sup> <sup>3</sup> )           44         Battery weight         kg         1118         1309           VISCELLANEOUS           45         Type of drive control         Stepless         Stepless						· ·
42         Lift motor         kW         12.5 <sup>1</sup> )         12.5 <sup>1</sup> )           43         Battery voltage/capacity at 5-hour discharge         V/Ah         48 / 775 <sup>2</sup> <sup>3</sup> )         48 / 930 <sup>2</sup> <sup>3</sup> )           44         Battery weight         kg         1118         1309           MISCELLANEOUS           45         Type of drive control         Stepless         Stepless	41	Drive motor		kW	5.0	5.0
43         Battery voltage/capacity at 5-hour discharge         V/Ah         48 / 775 <sup>2</sup> <sup>3</sup> 48 / 930 <sup>2</sup> <sup>3</sup> 44         Battery weight         kg         1118         1309           MISCELLANEOUS           45         Type of drive control         Stepless         Stepless						
44Battery weightkg11181309MISCELLANEOUS45Type of drive controlSteplessStepless						
MISCELLANEOUS           45         Type of drive control         Stepless         Stepless						
45     Type of drive control     Stepless     Stepless				9		
	45				Stepless	Stepless
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Higher lift speeds on request
 Also available in 80 volt
 Other capacities on request

| Mitsubishi Forklift Trucks |
|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| VNT13                      | VNT14                      | VNT15                      | VNT15XL                    | VNT20                      |
| Electric                   | Electric                   | Electric                   | Electric                   | Electric                   |
| Standing / Seated          |
1300	1350	1500	1500	2000
600	600	600	600	600
355 / 255	365 / 255	360 / 270	360 / 270	360 / 270
1910	1880	2140	2140	2140
5050 - 5900	5800 - 6900	7100 - 8700	8900 - 9400	7400 - 8900
1700/4650; 2000/5200	1800/5300; 2050/6150	2300/6300; 2950/7250	3000/7400; 3100/7800	2100/7300; 2700/8200
2250/2800; 2550/3350	2400/3400; 2700/4200	2900/4200; 3550/5150	3500/5400; 3700/5700	3000/4400; 3400/5400
Р	Р	Р	Р	Р
343 / 140	343 / 140	381 / 152	381 / 152	381 / 152
343 / 140	377 / 178	377 / 178	377 / 178	377 / 178
2 / 1 x	2 / 1 x	2 / 1 x	2 / 1 x	2 / 1 x
See Table				
See Table				
See Table				
See Table				
See Table				
1900	1900	1900	1900	1500
See Table				
h12 + 1600				
80	80	80	80	80
3400 - 3490 - 3590	3375 - 3465 - 3565	3650 - 3740 - 3840	3650 - 3740 - 3840	3740 - 3840
3265 - 3355 - 3455	3240 - 3330 - 3430	3515 - 3605 - 3705	3515 - 3605 - 3705	3605 - 3705
460 - 550 - 650	460 - 550 - 650	460 - 550 - 650	460 - 550 - 650	550 - 650
1200 - 1700	1200 - 1700	1200 - 1700	1600 - 1900	1200 - 1700
40 / 120	40 / 120	40 / 120	40 / 120	40 / 120
800 - 1300	800 - 1300	800 - 1300	800 - 1300	800 - 1300
530 / 505 - 795	530 / 505 - 795	530 / 505 - 795	530 / 505 - 795	240 - 795
40	40	40	40	40
See Table				
See Table				
2210	2170	2445	2445	2445
2210	2170	2440	2445	2440
12.0 / 12.0	12.0 / 12.0	12.0 / 12.0	12.0 / 12.0	12.0 / 12.0
0.52 / 0.56 1)	0.49 / 0.52 1)	0.48 / 0.52 1)	0.42 / 0.45	0.45 / 0.54
0.45 / 0.45	0.45 / 0.45	0.45 / 0.45	0.45 / 0.45	0.45 / 0.45
up to 0.45	up to 0.45	up to 0.45	up to 0.45	0.20 / 0.20
				Electric
Electric	Electric	Electric	Electric	
7.0	7.0	7.0	7.0	7.0
21.0 <sup>1)</sup>	21.0 <sup>1)</sup>	21.0 <sup>1)</sup>	28.0	28.0
80 / 620 <sup>3)</sup>	80 / 465 <sup>3)</sup>	80 / 775 <sup>3)</sup>	80 / 775 <sup>3)</sup>	80 / 775 <sup>3)</sup>
1558	1238	1862	1862	1862
			, 	
Stepless	Stepless	Stepless	Stepless	Stepless

# MAST PERFORMANCE AND CAPACITY

Build and lift heights of duplex lift mast with swivel fork, supplementary lift 1900 mm or 2300 mm (optional)

					NT11 - VNT13	VNT14/VNT15	VNT15XL	VNT20
Total lift height with 1900 mm suppl. lift	Total lift height with 2300 mm suppl. lift	Cabin lift height	Raised platform height	Extended height cabin**	Closed height 2-stage mast*	Closed height 2-stage mast*	Closed height 2-stage mast	Closed height 2-stage mast***
h3G + h13 mm	h3G + h13 mm	h3 + h13 mm	h12 mm	h6 mm	h1 mm	h1 mm	h1 mm	h1 mm
4400	4800	2500	2820	5020	2600	-	-	-
4900	5300	3000	3320	5520	2745	-	-	-
5400	5800	3500	3820	6020	2995	2920	-	3170
5900	6300	4000	4320	6520	3245	3170	-	3420
6400	6800	4500	4820	7020	3495	3420	-	3670
6900	7300	5000	5320	7520	3745	3670	-	3920
7400	7800	5500	5820	8020	3995	3920	-	4170
7900	8300	6000	6320	8520	4245	4170	-	4420
8400	8800	6500	6820	9020	4495	4420	-	4670
8900	9300	7000	7320	9520	4745	4670	-	4920
9400	9800	7500	7820	10020	4995	4920	-	5170
9900	10300	8000	8320	10520	5245	5170	-	5420
10400	10800	8500	8820	11020	-	5420	-	5670
10900	11300	9000	9320	11520	-	5670	-	5920
11400	11800	9500	9820	12020	-	5920	-	6170
11900	12300	10000	10320	12520	-	6170	-	6420
12400	12800	10500	10820	13020	-	6420	-	6670
12900	13300	11000	11320	13520	-	6670	-	6920
13400	13800	11500	11820	14020	-	6920	-	7170
13900	14300	12000	12320	14520	-	7170	7420	-
14400	14800	12500	12820	15020	-	-	7670	-
14900	15300	13000	13320	15520	-	-	7920	-
15400	15800	13500	13820	16020	-	-	8170	-
15900	16300	14000	14320	16520	-	-	8420	-

\*VNT11 maximum closed height 4745 mm; \*NVT14 maximum closed height 6170 mm; other closed/lift heights on request. \*\*Extended height with 2300 mm suppl. lift + 600 mm; \*\*\*VNT20 reduced total lift heights, supplementary lift = 1500 mm; other heights on request.

#### Build and lift heights of triplex lift mast with swivel fork, supplementary lift 1900 mm or 2300 mm (optional)

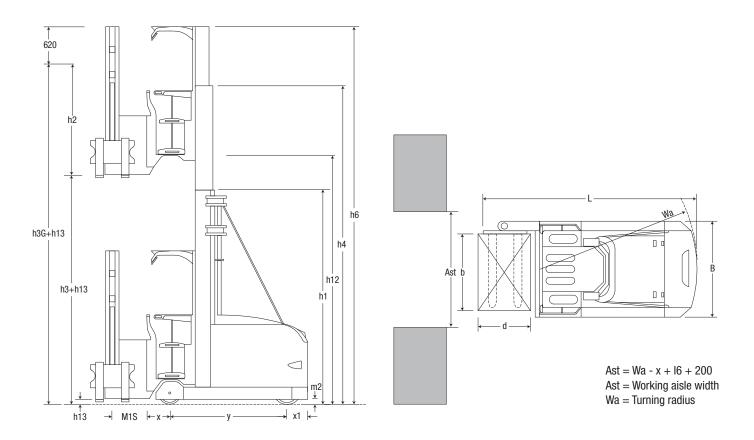
					VNT11 - VNT13	VNT14 / VNT15	VNT15XL
Total lift height with 1900 mm suppl. lift	Total lift height with 2300 mm suppl. lift	Cabin lift height	Raised platform height	Extended height cabin**	Closed height 3-stage mast*	Closed height 3-stage mast*	Closed height 3-stage mast
h3G + h13 mm	h3G + h13 mm	h3 + h13 mm	h12 mm	h6 mm	h1 mm	h1 mm	h1 mm
5650	6050	3750	4070	6270	2600	-	-
6400	6800	4500	4820	7020	2745	-	-
7150	7550	5250	5570	7770	2995	2920	-
7900	8300	6000	6320	8520	3245	3170	-
8650	9050	6750	7070	9270	3495	3420	-
9400	9800	7500	7820	10020	3745	3670	-
10150	10550	8250	8570	10770	3995	3920	-
10900	11300	9000	9320	11520	-	4170	-
11650	12050	9750	10070	12270	-	4420	-
12400	12800	10500	10820	13020	-	4670	4920
13150	13550	11250	11570	13770	-	4920	5170
13900	14300	12000	12320	14520	-	5170	5420
14650	15050	12750	13070	15270	-	5420	5670
15400	15800	13500	13820	16020	-	-	5920
16150	16550	14250	14570	16770	-	-	6170

\*VNT11 maximum closed height 3495 mm; \*\*extended height with 2300 mm suppl. lift + 400 mm; other closed/lift heights on request. \*\*Overall length with triplex mast: VNT11/12/13 is 35 mm longer; VNT14/15 is 125 mm longer; VNT14 closed height > 4170 mm same length as VNT15.

#### Aisle width depending on load / pallet dimensions

	LOAD D	DIMENSIONS		VNT11	VNT12/VNT13	VNT14	VNT15/VNT20
Depth	Width	Distance between loads**	Boom length	Transfer aisle width*	Transfer aisle width*	Transfer aisle width*	Transfer aisle width <sup>*</sup>
mm	mm	Ast mm	M1S mm	mm	aisle width*	mm	mm
1240	835	1700	460	3480	3530	3595	3820
1200	800	1650	460	3460	3510	3575	3800
1200	1000	1650	550	3540	3600	3655	3890
1200	1200	1650	650	3630	3690	3745	3980
1000	800	1450	460	3380	3440	3495	3730
1000	1000	1450	550	3460	3520	3585	3820
1000	1200	1450	650	3560	3610	3675	3910
800	800	1400	460	3360	3420	3485	3710
800	1000	1400	550	3450	3500	3565	3800
800	1200	1400	650	3540	3600	3655	3900
835	1240	1400	650	3540	3600	3655	3900

\*Transfer aisle width without load and 580 mm fork carriage width, with mechanical guidance + 300 mm, with wire guidance + 800 mm recommended. Aisle width for mechanical guidance and duplex mast; reduced truck lengths on request. \*\* NVT20 + 50 mm.



### **STANDARD EQUIPMENT AND OPTIONS**

	VNT11	VNT12	VNT13	VNT14	VNT15	VNT15XL	VNT20
GENERAL							
Overhead guard with 4 LED spot	•	•	•	•	•		•
Mirrors	•	•	•	•	•		•
Emergency rope	•	•	•	•	•		•
Control panel with ball handle bar	•	•		•	•		•
Higher side shift speed	•	•	•	•	•		•
CHASSIS							
Special paint, change of one colour (Standard RAL)							
Extended or shortened chassis							
Twin/dual load wheels, minimum chassis width 1450 mm							
VNT14 with VNT15 chassis, battery up to 5 PzS 700/775 Ah	-	-	-		-	-	-
VNT15 with chassis for battery 6 PzS 840/930 Ah, special drive wheel	-	-	-	-		-	-
Rail guidance for standard profile, minimum 80 mm profile height							
Rail guidance, minimum 38 mm profile height							
Side guide rollers antistatic							
Additional side guide roller in the centre of truck (3 rollers on each side)							
Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA							
Line driver for max 1200 m wire, 6.25 kHz							
MAST							
Fork carriage width 850 mm							
Fork carriage width 1150 mm							
Head centre distance 700 mm (less capacity)							
Head centre distance 750/800 mm (less capacity)							
Shorten mast, special closed heights							
Full fork carriage for swivel fork 320, 850 mm for distance across forks 240 - 795 mm							
Hydraulic fork adjustment, 500 - 800 mm, integrated, width of fork carriage 1080 mm							
Side shifter +/- 100 mm							<b>A</b>
Telescopic fork, width 1200 mm, supplementary lift 650 mm							
Telescopic fork, width 1200 mm, supplementary lift > 650 mm							<b>A</b>
Telescopic fork, width 1200 mm, supplementary lift > 650 mm, profiles in front of the load, max 1000 kg, no cold store							
Telescopic forks, lowered height 190 mm, max capacity 1000 kg							<b>A</b>
Supplementary lift height 1700 mm with swivel fork type MSG 320							
Supplementary lift height 2100 or 2300 mm with swivel fork type MSG 320							<b>A</b>
VNT15 with swivel fork type MSG 120, supplementary lift 1500 mm	-	-	-	-		-	-
VNT15 with swivel fork type MSG 120, guidance at overhead guard, supplementary lift 1500 mm	-	-	-	-		-	-
CABIN		1				1	
Control panel with rotary switches							
Control panel with single lever							
Control panel with multifunction lever							
Tilting panel for order picking (only possible with ball handle bar or rotary switch)							
Spilt control panel at the back, beside the seat, including armrests							
Multicheck with PIN-code access, 10 different codes hour counter for week and day							
12 or 24 volt connection with separate DC converter							
24 volt connection behind ignition lock, max 2 ampere							

Continuing improvement may lead to changes in these specifications.

#### $\bigcirc$ = Standard $\triangle$ = Option

Headed seem       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A <td< th=""><th></th><th>VNT11</th><th>VNT12</th><th>VNT13</th><th>VNT14</th><th>VNT15</th><th>VNT15XL</th><th>VNT20</th></td<>		VNT11	VNT12	VNT13	VNT14	VNT15	VNT15XL	VNT20
Image: Section seat:       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A	CABIN							
Process         Process <t< td=""><td>Armrests, adjustable</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Armrests, adjustable							
Where seat:       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A <td< td=""><td>Heated seat</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Heated seat							
additional LED working lights at both sides of the overhead guard         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A<	Air suspension seat							
2 additional LED working lights at both sides of the overhead guard       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A	Swivel seat							
2 powerlal LED lighting situp at hit and right also of overhead guard       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A								
Basing glub at the mast         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A								
Blue spot at the mast to the rear, functioning when travelling backwards         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A        A         A         A								
Simultaneous lifting of main and supplementary lift         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         A         <								
Clipboard DN A4 in the cabin Clipboard DN A4 in the cabin Clipboard DN A4 in universal fastering rail the data								
Clipboard DW A4 at universal fastening rail       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A								
Height level positioning system (10 levels) with indicator, for cabin lift into the through the code system) of updata with Networks system of supplementary lift mat A A A A A A A A A A A A A A A A A A A	•							
Overload indicatorImage: A Main Main Main Main Main Main Main Main	Height level positioning system (10 levels) with indicator, for cabin lift							
Fan in cabin       A       A       A       A       A       A       A         Swivel //tiling side gates, specially for order picking       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A	Overload indicator							
Switch Jülting side gates, specially for order picking       A       A       A       A       A       A       A         Tay for universal fastning rull       A       A       A       A       A       A       A         Acoustic signal when driving backwards       A       A       A       A       A       A       A       A         Speed control unit CSE2 for linear driving speeds depending on lift height, programmable lift stop above 500 mm       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A	Digital scale, +/- 25 kg, measurement by hydraulic pressure of supplementary lift mast							
Tray for universal fastening rail       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A	Fan in cabin							
Austic signal when driving backwards Speed control unit SSE2 for linear driving speeds depending on lift height, programmable lift stop above 500 m Windscreen removable Makrolon screen on the overhead guard Makrolon screen on the overhead guard Makrolon indow in front of the control panel (my for VVTIS with switel fork type 120)	Swivel /tilting side gates, specially for order picking							
Speed control unit GSG2 for inner driving speeds depending on lift height, programmable iff stop above 500 mm       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A <td< td=""><td>Tray for universal fastening rail</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Tray for universal fastening rail							
programmable lift stop above 500 mmAAAAAAAAWindscreen removableAAAAAAAAAMakrolon screen on the overhead guard </td <td>Acoustic signal when driving backwards</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Acoustic signal when driving backwards							
Makrolon server on the overhead guard Makrolon window in front of the control panel (only for VHT) Server 100	Speed control unit GSG2 for linear driving speeds depending on lift height, programmable lift stop above 500 mm							
Makrolon window in front of the control panel (only for VHTI6 with swile fork type 120)       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	Windscreen removable							
(any for WTITS with swivel fork type 120)       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - </td <td>Makrolon screen on the overhead guard</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Makrolon screen on the overhead guard							
Cabin heating       A       A       A       A       A       A         INTERLOCKS         Slow down at the end of aisle (system CAT)       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A	Makrolon window in front of the control panel (only for VNT15 with swivel fork type 120)	-	-	-	-		-	-
INTERLOCKS Slow down at the end of aisle, without stop (system CAT) Slow down at the end of aisle (system CAT) Slow down at the end of aisle (system CAT) Agnets per aisle Electrical drive and lift cut-out with overriding switch Electrical drive and lift cut-out with overriding switch Electrical drive and lift cut-out with overriding switch Slow down at so pa the end of aisle (system CAT) Agnets per aisle Electrical drive and lift cut-out with overriding switch Slow down at so pa the end of aisle (system CAT) Agnets per aisle Electrical drive and lift cut-out with overriding switch Slow down at so pa the end of aisle (system CAT) Agnets per aisle Electrical drive and lift cut-out with overriding switch Slow down at so pa the end of aisle (system CAT) Agnets per aisle Clectrical drive and lift cut-out with overriding switch Slow down at so pa the end of aisle (system CAT) Agnets per aisle Clectrical drive and lift cut-out with overriding switch Slow down at so pa the end of aisle (system CAT) Agnets per aisle Clectrical drive and lift cut-out with overriding switch Slow down at so pa the end of aisle (system CAT) Agnets per aisle Clectrical drive and lift cut-out with overriding switch Slow down at so pa the end of aisle (system CAT) Agnets provide the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and lift cut-out with override and the aisle Clectrical drive and the	Makrolon cabin, windscreen removable							
Slow down at the end of aisle, without stop (system CAT)       A       A       A       A       A       A       A         Slow down and stop at the end of aisle (system CAT)       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A <td>Cabin heating</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Cabin heating							
Start Sector Annotation and stop at the end of aisle (system CAT)   Magnets per aisle   Magnets per aisle   Electrical drive and lift cut-out with overriding switch   Electrical drive and lift cut-out with overriding switch outside the aisle   Electrical reach cut-out for swivel head MSG 320   Zone-dependent interlocks   Driving outside the guidance up to maximum lift height   with override switch, 2.5 km/h, drive wheel in straight position   BATTERY   Battery rollers in truck 48 V 6 PzS/80 V 3 PzS   Battery rollers in truck 48 V 6 PzS/80 V 3 PzS   Battery rollers in truck 80 V 5 PzS   Battery rollers in truck 80 V 5 PzS   Battery rollers in truck 80 V 5 PzS   Battery collers in truck 80 V 5 PzS   COLD STOFE   Coll store application, without cabin   Cabin for cold store applications   Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi   Lifting jack for reliving wheel when battery is loading   48/80 Voll supply for the night (converter not for cold store area, without cable)   A   A   A   A   A   A   A   A   A <td>INTERLOCKS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	INTERLOCKS							
Magnets per aisle and monoplement of the method of the met	Slow down at the end of aisle, without stop (system CAT)							
Bettery rollers in truck 48 V 6 P2S/80 V 3 P2S A A A A A   Battery rollers in truck 48 V 6 P2S/80 V 3 P2S A A A A A A   Battery rollers in truck 48 V 6 P2S/80 V 3 P2S A A A A A A A   Battery rollers in truck 80 V 5 P2S A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A<	Slow down and stop at the end of aisle (system CAT)							
Electrical drive and lift cut-out with overriding switch outside the aisle <ul> <li></li></ul>	Magnets per aisle							
Electrical reach cut-out for swivel head MSG 320       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A	Electrical drive and lift cut-out with overriding switch							
Zone-dependent interlocksAAAAAAADriving outside the guidance up to maximum lift height with override switch, 2.5 km/h, drive wheel in straight positionAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA <td>Electrical drive and lift cut-out with overriding switch outside the aisle</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Electrical drive and lift cut-out with overriding switch outside the aisle							
Driving outside the guidance up to maximum lift height   with override switch, 2.5 km/h, drive wheel in straight position   BATTERY   Battery frame additional for fast and easy battery change with counterbalance truck   Battery rollers in truck 48 V 6 P25/80 V 3 P2S   Battery rollers in truck 48 V 6 P25/80 V 3 P2S for fixing on floor   Battery Rollers in truck 80 V 5 P2S   Battery Rollers in truck 80 V 5 P2S   Battery Roller Station for 1 battery 60 V 5 P2S for fixing on floor   Battery Roller Station for 1 battery 80 V 5 P2S for fixing on floor   Battery Roller Station for 1 battery 80 V 5 P2S for fixing on floor   Mobile winch for battery change for fixing at the chassis   Battery cable for battery changing   COLD STORE   Cold store applications   Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi   Lifting jack for relieving the driving wheel when battery is loading   48/80 volt supply for the night (converter not for cold store area, without cable)   Telescopic forks for cold store application   ABAR	Electrical reach cut-out for swivel head MSG 320							
with override switch, 2.5 km/h, drive wheel in straight position   BATTERY   Battery frame additional for fast and easy battery change with counterbalance truck   Battery rollers in truck 48 V 6 P2S/80 V 3 P2S   Battery rollers station for 1 battery 48 V 6 P2S/80 V 3 P2S for fixing on floor   Battery Rollers in truck 80 V 5 P2S   Battery Rollers station for 1 battery 80 V 5 P2S for fixing on floor   Battery Roller Station for 1 battery 80 V 5 P2S for fixing on floor   Battery Roller Station for 1 battery 80 V 5 P2S for fixing on floor   Battery Roller Station for 1 battery 80 V 5 P2S for fixing on floor   Mobile winch for battery change for fixing at the chassis   Battery cable for battery changing   Cold store application, without cabin   Cabler Applications   Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi   Lifting jack for relieving the driving wheel when battery is loading   48/80 volt supply for the night (converter not for cold store area, without cable)   Telescopic forks for cold store application   As the ast the ast true true true true true true true tru	Zone-dependent interlocks							
Battery frame additional for fast and easy battery change with counterbalance truck <ul> <li>A</li> <li></li></ul>	Driving outside the guidance up to maximum lift height with override switch, 2.5 km/h, drive wheel in straight position							
Battery rollers in truck 48 V 6 PzS/80 V 3 PzS       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A <t< td=""><td>BATTERY</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	BATTERY							
Battery roller station for 1 battery 48 V 6 P2S/80 V 3 P2S for fixing on floor Battery Rollers in truck 80 V 5 P2S Battery Roller Station for 1 battery 80 V 5 P2S for fixing on floor Mobile winch for battery change for fixing at the chassis Battery cable for battery changing COLD STORE Cold store application, without cabin Cabin for cold store applications Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi Lifting jack for relieving the driving wheel when battery is loading 48/80 volt supply for the night (converter not for cold store area, without cable) Altery Cold store application Battery cold store application Cabin for cold store application CALL ALTER ALTE	Battery frame additional for fast and easy battery change with counterbalance truck							
Battery Rollers in truck 80 V 5 PzS Battery Rollers in truck 80 V 5 PzS for fixing on floor Mobile winch for battery change for fixing at the chassis Battery cable for battery changing COLD STORE Cold store application, without cabin Cabin for cold store applications Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi Lifting jack for relieving the driving wheel when battery is loading 48/80 volt supply for the night (converter not for cold store area, without cable) Relescopic forks for cold store application SAFETY	Battery rollers in truck 48 V 6 PzS/80 V 3 PzS							
Battery Roller Station for 1 battery 80 V 5 PzS for fixing on floor   A A   Mobile winch for battery change for fixing at the chassis   Battery cable for battery changing   COLD STORE   Cold store application, without cabin   Cabin for cold store applications   Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi   Lifting jack for relieving the driving wheel when battery is loading   4/8/80 volt supply for the night (converter not for cold store area, without cable)   Celescopic forks for cold store application   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   A   B   B   B   B   B   B   B   B   B   B   B   <	Battery roller station for 1 battery 48 V 6 PzS/80 V 3 PzS for fixing on floor							
Mobile winch for battery change for fixing at the chassis <ul> <li></li></ul>	Battery Rollers in truck 80 V 5 PzS							
Battery cable for battery changing       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A       A	Battery Roller Station for 1 battery 80 V 5 PzS for fixing on floor							
COLD STORE         Cold store application, without cabin         Cabin for cold store applications         Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi         Lifting jack for relieving the driving wheel when battery is loading         4/80 volt supply for the night (converter not for cold store area, without cable)         Telescopic forks for cold store application         SAFETY	Mobile winch for battery change for fixing at the chassis							
Cold store application, without cabinAAAAAACabin for cold store applicationsAAAAAAAInductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, ZapiAAAAAAALifting jack for relieving the driving wheel when battery is loadingAAAAAA48/80 volt supply for the night (converter not for cold store area, without cable)AAAAAATelescopic forks for cold store applicationAAAAAASAFETY	Battery cable for battery changing							
Cabin for cold store applications   Cabin for cold store applications     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi     Inductive wire guidance 6.25 kHz +/-	COLD STORE							
Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi Lifting jack for relieving the driving wheel when battery is loading 48/80 volt supply for the night (converter not for cold store area, without cable) 48/80 relescopic forks for cold store application A A A A A A A A A A A A A A A A A A A	Cold store application, without cabin							
Lifting jack for relieving the driving wheel when battery is loading 48/80 volt supply for the night (converter not for cold store area, without cable) Telescopic forks for cold store application SAFETY	Cabin for cold store applications							
48/80 volt supply for the night (converter not for cold store area, without cable)	Inductive wire guidance 6.25 kHz +/- 30 Hz, 78 mA +/- 15%, Zapi							
Telescopic forks for cold store application SAFETY	Lifting jack for relieving the driving wheel when battery is loading							
SAFETY	48/80 volt supply for the night (converter not for cold store area, without cable)							
	Telescopic forks for cold store application							
Preparation for installing personal safety system with laser scanner	SAFETY							
	Preparation for installing personal safety system with laser scanner							

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FMIT0174 (05/2020)











