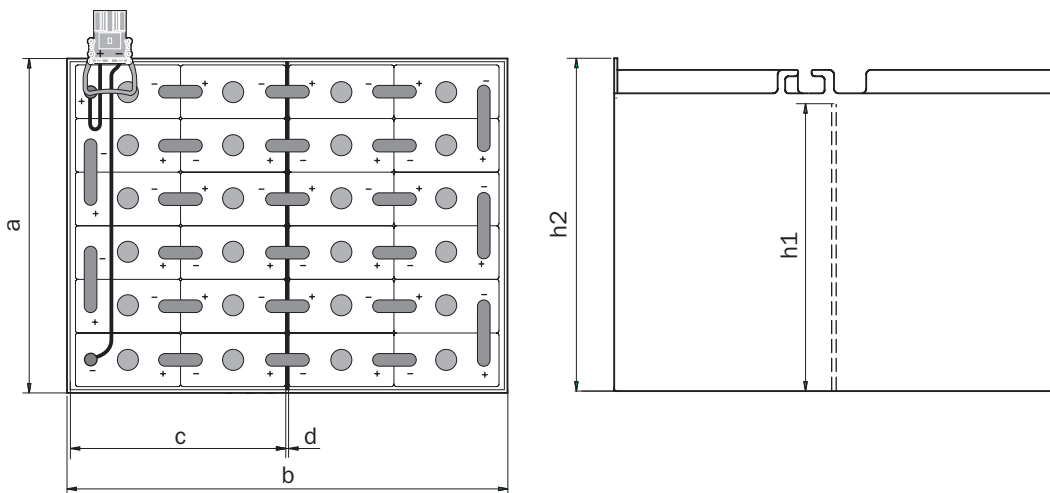


CHARACTERISTICS

BATTERY

| | COMPARTMENT DIMENSIONS (MM) | | | | | | BATTERY TYPE | BATTERY CAPACITY | WEIGHT OF BATTERY + COMPARTMENT | |
|--------------------------------|-----------------------------|----------------|---------|---|-----|-----|---------------------|----------------------|---------------------------------|---------|
| | a | b | c | d | h1 | h2 | | | | |
| ME 315 | 522 | 830 | 407 | 4 | 550 | 627 | EXIDE FULMEN | STANDARD | 48V-160A-460Ah | 710 kg |
| | | | | | | | | HIGH CAPACITY | 48V-160A-500Ah | 716 kg |
| | | | | | | | HOPPECKE | STANDARD | 48V-160A-440Ah | 728 kg |
| | | | | | | | | HIGH CAPACITY | 48V-160A-500Ah | 747 kg |
| | | | | | | | MIDAC | STANDARD | 48V-160A-420Ah | 710 kg |
| | | | | | | | | HIGH CAPACITY | 48V-160A-500Ah | 760 kg |
| HAWKER | STANDARD | 48V-160A-460Ah | 717 kg | | | | | | | |
| | HIGH CAPACITY | 48V-160A-500Ah | 717 kg | | | | | | | |
| ME 316 ME 318 | 630 | 830 | 407 | 4 | 550 | 627 | EXIDE FULMEN | STANDARD | 48V-160A-575Ah | 844 kg |
| | | | | | | | | HIGH CAPACITY | 48V-160A-625Ah | 873 kg |
| | | | | | | | HOPPECKE | STANDARD | 48V-160A-550Ah | 879 kg |
| | | | | | | | | HIGH CAPACITY | 48V-160A-625Ah | 908 kg |
| | | | | | | | MIDAC | STANDARD | 48V-160A-575Ah | 870 kg |
| | | | | | | | | HIGH CAPACITY | 48V-160A-625Ah | 920 kg |
| HAWKER | STANDARD | 48V-160A-575Ah | 854 kg | | | | | | | |
| | HIGH CAPACITY | 48V-160A-625Ah | 873 kg | | | | | | | |
| ME 320 | 738 | 830 | 407 | 4 | 550 | 627 | EXIDE FULMEN | STANDARD | 48V-160A-490Ah | 1000 kg |
| | | | | | | | | HIGH CAPACITY | 48V-160A-750Ah | 1031 kg |
| | | | | | | | HOPPECKE | STANDARD | 48V-160A-660Ah | 1037 kg |
| | | | | | | | | HIGH CAPACITY | 48V-160A-750Ah | 1068 kg |
| | | | | | | | MIDAC | STANDARD | 48V-160A-690Ah | 1025 kg |
| | | | | | | | | HIGH CAPACITY | 48V-160A-750Ah | 1084 kg |
| HAWKER | STANDARD | 48V-160A-690Ah | 980 kg | | | | | | | |
| | HIGH CAPACITY | 48V-160A-750Ah | 1040 kg | | | | | | | |



FRONT WHEEL ELECTRIC MOTORS

| | |
|-----------------|--------------------------------|
| - Type | DANAHER |
| - Number | 2 |
| - Control | By electronic speed controller |
| - Rated power | 4,6 kW |
| - Rated current | 121 A |
| - Rated voltage | 33V |
| - Rated speed | 1974 rpm |

FRONT WHEEL REDUCERS

| | |
|--------|----------------------|
| - Type | ZF GOTHA GP20 |
|--------|----------------------|

REAR AXLE

| | |
|--------|--------------------|
| - Type | BORGHI IVAN |
|--------|--------------------|

TRANSMISSION (CONTROL)

| | |
|-----------------------------|----------------|
| - Type | DANAHER |
| - Reversing gear | Electronic |
| . Number of forward speeds | 1 |
| . Number of reverse speeds | 1 |
| - Speed limiter (slow/fast) | Electric |

BRAKE

| | |
|--------------------|--|
| - Service brake | Multidisc brake immersed in oil. |
| - Type | Foot pedal. Hydraulic brake acting on the front wheel reducer discs. |
| - Working pressure | 80 Bar |
| - Parking brake | Multidisc brake immersed in oil. |
| - Type | Mechanical hand lever applied on the front wheel reducer discs. |

HYDRAULIC PUMP ELECTRIC MOTOR

| | |
|-----------------|----------------|
| - Type | DANAHER |
| - Rated power | 8,6 kw |
| - Rated current | 248 A |
| - Rated voltage | 48 V |
| - Rated speed | 1600 rpm |
| - Max. speed | 4200 rpm |

FRONT TYRES

| DIMENSIONS | PRESSURE | TYRE LOAD | | PRESSURE ON THE CONTACT SURFACE | | AREA OF THE CONTACT SURFACE | |
|---|--------------|---------------|----|---------------------------------|--------------|-----------------------------|--------------|
| | | | | HARD GROUND | LIGHT GROUND | HARD GROUND | LIGHT GROUND |
| 18 X 7 - 8 EUROSOFT W.P. | SOLID | FRONT UNLADEN | KG | KG/CM2 | | CM2 | |
| | | FRONT LADEN | KG | KG/CM2 | | CM2 | |

REAR TYRES

| DIMENSIONS | PRESSURE | TYRE LOAD | | PRESSURE ON THE CONTACT SURFACE | | AREA OF THE CONTACT SURFACE | |
|---|--------------|--------------|----|---------------------------------|--------------|-----------------------------|--------------|
| | | | | HARD GROUND | LIGHT GROUND | HARD GROUND | LIGHT GROUND |
| 15 X 4^{1/2} - 8 EUROSOFT W.P. | SOLID | REAR UNLADEN | KG | KG/CM2 | | CM2 | |
| | | REAR LADEN | KG | KG/CM2 | | CM2 | |

HYDRAULIC CIRCUIT

| | |
|--|-----------------|
| - Type of pump | Gear pump |
| . Capacity | cm ³ |
| . Flow rate at full speed | L/mn |
| - Pressure | |
| . Lifting, tilting, attachment circuit | Bar |
| . Steering circuit | Bar |
| - Filtration | |
| . Return | µm |
| . Suction | µm |

SPECIFICATIONS

| | |
|--|----------|
| - Level of sound pressure in the driver's cab LpA (according to standard prEN 12053: 1995) | dB |
| - Level of sound power in the LwA environment (according to directive 2000/14 CE guaranteed) | dB |
| - Speed of movement of lift truck in standard configuration on horizontal ground (except particular conditions) | |
| . Forward unladen | 14 km/h |
| . Reverse unladen | 14 km/h |
| - Standard lift height | 3300 mm |
| - Rated capacity with standard mast | 1600 kg |
| - Load center | 500 mm |
| - Weight of forks (each) | 44,5 kg |
| - Lifting motions with standard mast | |
| . Unladen lifting | 0,28 m/s |
| . Rated load lifting | 0,44 m/s |
| . Unladen lowering | m/s |
| . Rated load lowering | 0,32 m/s |
| - Lift truck weight with standard mast | |
| . Unladen | 3110 kg |
| . Rated load | 4710 kg |
| - Axle weight with standard mast (transport position) | |
| . Front unladen | kg |
| rated load | kg |
| . Rear unladen | kg |
| rated load | kg |
| - Tensile strain at coupling hook | |
| . Unladen | daN |
| . Rated load | daN |

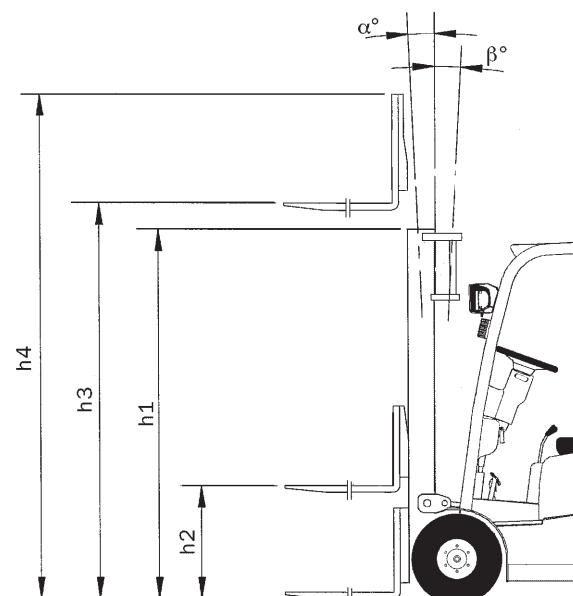
CHARACTERISTICS OF MASTS

ME 315
ME 316
ME 318
ME 320

| DOUBLE MAST WITH ALL-ROUND VISION | | | | | | |
|-----------------------------------|------|----------|---------|-----|------|------|
| MAST | h3 | α | β | h2 | h1 | h4 |
| 2m50 | 2500 | 6,5° | 6,5° | 145 | 1745 | 3445 |
| 2m70 | 2700 | 6,5° | 6,5° | 145 | 1845 | 3645 |
| 3m00 | 3000 | 6,5° | 6,5° | 145 | 1995 | 3945 |
| 3m30 | 3300 | 6,5° | 6,5° | 145 | 2145 | 4245 |
| 3m50 | 3500 | 6,5° | 6,5° | 145 | 2245 | 4445 |
| 3m60 | 3600 | 6,5° | 6,5° | 145 | 2295 | 4545 |
| 4m00 | 4000 | 6,5° | 6,5° | 145 | 2545 | 4945 |
| 4m30 | 4300 | 6,5° | 6,5° | 145 | 2710 | 5245 |
| 4m50 | 4500 | 6,5° | 6,5° | 145 | 2820 | 5445 |

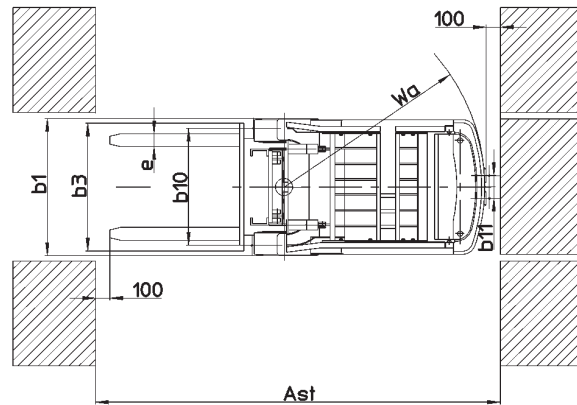
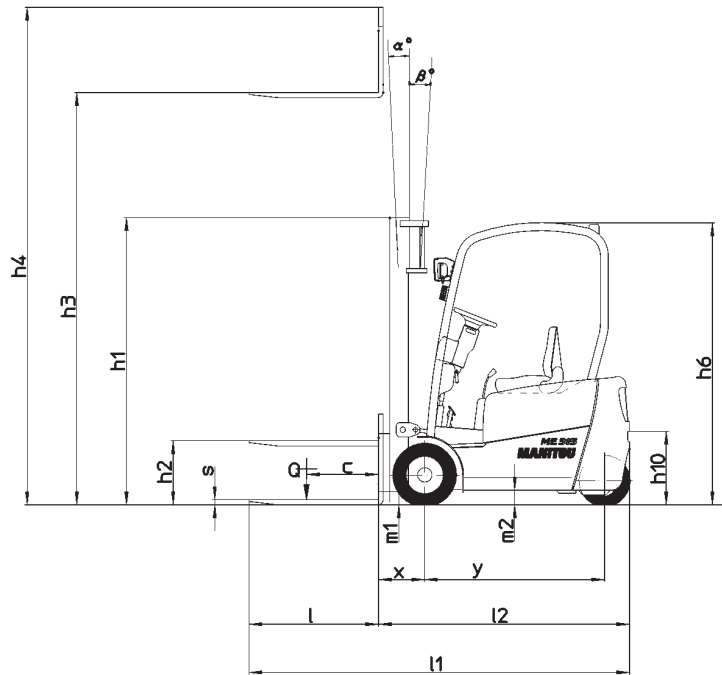
| TRIPLE MAST WITH TOTAL FREE-ACTING LIFT | | | | | | |
|---|------|----------|---------|------|------|------|
| MAST | h3 | α | β | h2 | h1 | h4 |
| 4m30 | 4300 | 6,5° | 5° | 1100 | 2010 | 5245 |
| 4m50 | 4500 | 6,5° | 5° | 1170 | 2075 | 5445 |
| 4m80 | 4800 | 6,5° | 5° | 1270 | 2175 | 5745 |
| 5m00 | 5000 | 6,5° | 5° | 1340 | 2240 | 5945 |
| 5m50 | 5500 | 6,5° | 5° | 1500 | 2410 | 6445 |
| 6m00 | 6000 | 6,5° | 5° | 1670 | 2625 | 6945 |

h3 : Lift height in mm
 α : Forward tilting
 β : Backward tilting
h2 : Free-acting lift in mm
h1 : Overall height with folded mast in mm
h4 : Overall height with spreaded out mast in mm



(WITH STANDARD MAST)

| | |
|------------|---------|
| Ast | 3271 mm |
| b1 | 1060 mm |
| b3 | 1025 mm |
| b10 | 902 mm |
| b11 | 175 mm |
| c | 500 mm |
| e | 100 mm |
| h1 | 2145 mm |
| h2 | 145 mm |
| h3 | 3300 mm |
| h4 | 4245 mm |
| h6 | 1998 mm |
| h10 | 450 mm |
| l | 900 mm |
| l1 | 2800 mm |
| l2 | 1900 mm |
| m1 | 108 mm |
| m2 | 90 mm |
| Q | 1600 kg |
| s | 40 mm |
| Wa | 1550 mm |
| x | 355 mm |
| y | 1358 mm |
| α | 6,5 ° |
| β | 6,5 ° |



| | | | | | | | | | | |
|--|--|--|--------|------|------|-----|--------|-----|-----|------|
| RATED CAPACITY ▶ | CAPACITE NOMINALE RATED CAPACITY NENNKAPAZITÄT CAPACIDAD NOMINAL CAPACITÀ NOMINALE | 1600 kg | | | | | | | | |
| ACTUAL CAPACITIES (according to standard EN 1726-1) ▶ | CAPACITES EFFECTIVES ACTUAL CAPACITIES EFFEKTIVE KAPAZITÄT CAPACIDAD EFECTIVA CAPACITÀ EFFETTIVA | SUIVANT NORME EN 1726-1 (ISO 1074) | | | | | | | | |
| 1 - Up to height of ▶ | 1 - Jusqu'à hauteur de levée Up to height of Bis zur Hubhöhe Hasta altura de elevación Sinó ad altezza di sollevamento | - mm | | | | | | | | |
| 2 - For maximum height of ▶ | 2 - Pour hauteur maximale de For maximum height of Für maximale Höhe Para altura máxima de Per altezza massima di | 3300 mm | | | | | | | | |
| VERTICAL MAST ▶ | MAT VERTICAL VERTICAL MAST VERTIKALER MAST MASTIL VERTICAL RAMPÀ VERTICALE | <table border="1"> <tr><td>Q : kg</td><td>1600</td><td>1430</td><td>940</td></tr> <tr><td>D : mm</td><td>500</td><td>600</td><td>1100</td></tr> </table> | Q : kg | 1600 | 1430 | 940 | D : mm | 500 | 600 | 1100 |
| Q : kg | 1600 | 1430 | 940 | | | | | | | |
| D : mm | 500 | 600 | 1100 | | | | | | | |
| ATTACHMENT ▶ | EQUIPEMENT ATTACHMENT ZUBEHÖR EQUIPO ATTREZZATURA | - - - - | | | | | | | | |
| ACTUAL CAPACITIES ▶ | CAPACITES EFFECTIVES ACTUAL CAPACITIES EFFEKTIVE KAPAZITÄT CAPACIDAD EFECTIVA CAPACITÀ EFFETTIVA | <table border="1"> <tr><td>1</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>2</td><td>-</td><td>-</td><td>-</td></tr> </table> | 1 | - | - | - | 2 | - | - | - |
| 1 | - | - | - | | | | | | | |
| 2 | - | - | - | | | | | | | |
| n°: | | 258169 | | | | | | | | |