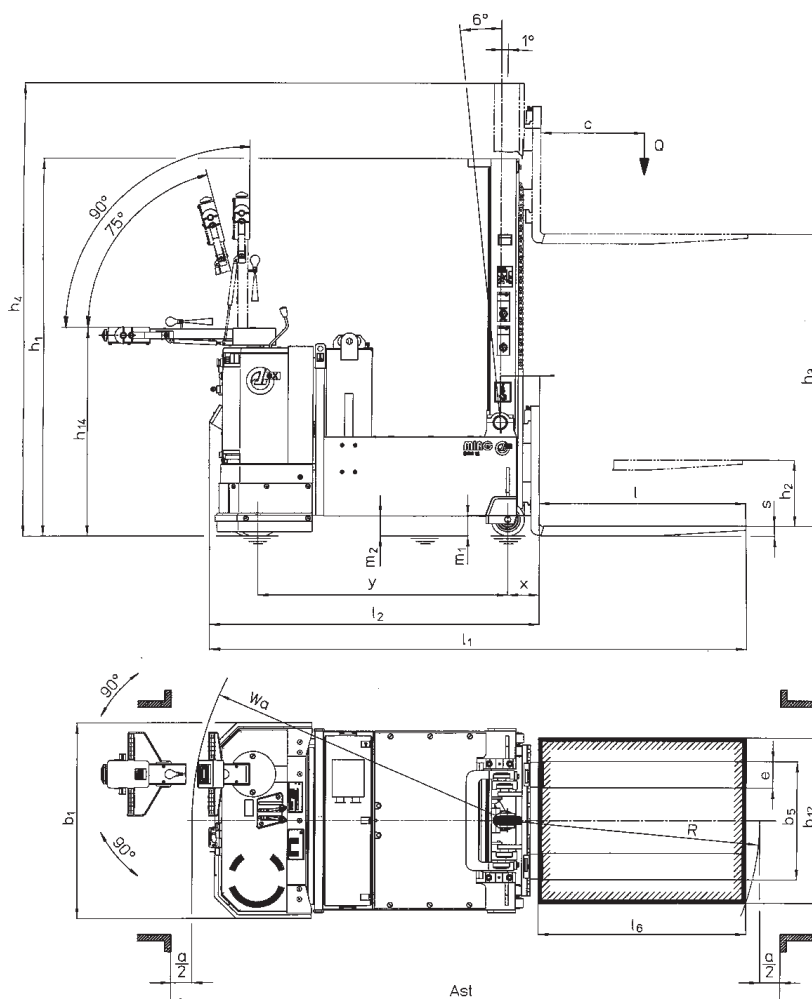




Pedestrian Fork LiftTruck
 Explosion-proof

EGG



$$A_{st} = W_a + R + a$$

A_{st} = Aisle width between stacks

a = Safety distance = 200 mm

b_{12} = Pallet width (e.g. 800 or 1000 mm)

l_6 = Pallet length (e.g. 1000 mm)

EGG 10-15XE2 /..H2 /..ST
Technical Data

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Technical Data

(in accord. with VDI 2198)

Pedestrian Fork Lift Truck

EGG 10-15XE2 /..H2 /..ST electronic, explosion-proof

Explosion protection: the devices are tested and approved by the Physikalisch Technische Bundesanstalt (PTB) (Physical-Technical Federal Institute) for use in areas at risk of explosion according to the following protection classes****: Gas explosion protection - suitable for use in explosive areas, zones 1 and 2 according to BetrSichV within explosion sub-groups IIA and IIB or IIB + H2 and temperature classes T1 to T4 and 120°C; Dust explosion protection: - suitable for use in explosive areas, zones 21 and 22 according to BetrSichV at surface temperatures of maximum 115°C.

Description

| | | | | | |
|-----|--|--------|--------------|--------------|--------------|
| 1.1 | Manufacturer (Make [abbreviation]) | | MIAG | MIAG | MIAG |
| 1.2 | Type designation of the manufacturer | | EGG 10XE2 .. | EGG 12XE2 .. | EGG 15XE2 .. |
| 1.3 | Drive Battery, Diesel, Petrol, fuel gas, mains current | | Battery | Battery | Battery |
| 1.4 | Operation Hand, Pedestrian, stand-on, driver-seated | | Pedestrian | Pedestrian | Pedestrian |
| 1.5 | Carrying capacity / Load | Q (t) | 1,0 | 1,2 | 1,5 |
| 1.6 | Load centre | c (mm) | 500 | 500 | 500 |
| 1.8 | Load distance, mast lowered | x (mm) | 152 | 152 | 152 |
| 1.9 | Wheel base | y (mm) | 1201 | 1201 | 1546 |

Weights

| | | | | | |
|-----|------------------------------|----|-------------|-------------|-------------|
| 2.1 | Dead weight | kg | 2180 | 2250 | 2220 |
| 2.2 | Axle load laden front/rear | kg | 520 / 2680 | 620 / 2850 | 450 / 3290 |
| 2.3 | Axle load unladen front/rear | kg | 1180 / 1000 | 1220 / 1030 | 1200 / 1020 |

Wheels, Chassis

| | | | | | |
|-----|--------------------------------------|---------------|--------------|--------------|--------------|
| 3.1 | Tyres Pneumatic, Solid, Vulcollan | | Solid / Vul. | Solid / Vul. | Solid / Vul. |
| 3.2 | Dimension in front | | Ø 260 x 85 | Ø 260 x 85 | Ø 260 x 85 |
| 3.3 | Dimension at the rear | | Ø 160 x 56 | Ø 160 x 56 | Ø 160 x 56 |
| 3.4 | Additional wheels (dimensions) | | Ø 160 x 50 | Ø 160 x 50 | Ø 160 x 50 |
| 3.5 | Wheels number front / rear, x=driven | | 2, 1x / 4 | 2, 1x / 4 | 2, 1x / 4 |
| 3.6 | Truck width front | b_{10} (mm) | 583 | 583 | 583 |
| 3.7 | Truck width rear | b_{11} (mm) | 740 | 740 | 740 |

Base dimensions ***

| | | | | | |
|------|--|---------------|-------------|-------------|-------------|
| 4.1 | Mast tilt / fork carriage, ago / back | degrees | 1° / 6° | 1° / 6° | 1° / 6° |
| 4.2 | Height of mast, lowered | h_1 (mm) | 1830 | 1830 | 1830 |
| 4.3 | Free lift | h_2 (mm) | 320 | 320 | 320 |
| 4.4 | Lift at double mast | h_3 (mm) | 2500 | 2500 | 2500 |
| 4.5 | Height of mast, raised | h_4 (mm) | 3105 | 3105 | 3105 |
| 4.9 | Height of tiller arm (in drive position) min. / max. | h_{14} (mm) | 1013 | 1013 | 1013 |
| 4.19 | Length total (with fork 1000 mm) | l_1 (mm) | 2585 | 2585 | 2930 |
| 4.20 | Length including shank | l_2 (mm) | 1585 | 1585 | 1930 |
| 4.21 | Width total | b_1 (mm) | 948 | 948 | 948 |
| 4.22 | Fork dimensions | $s/e/l$ (mm) | 48/128/1000 | 48/128/1000 | 48/128/1000 |
| 4.24 | Fork carriage width | b_3 (mm) | 736 | 736 | 736 |
| 4.25 | Outside spread of fork arms | b_5 (mm) | 573 | 573 | 573 |
| 4.31 | Ground clearance with load under lifting frame | m_1 (mm) | 100 | 100 | 100 |
| 4.32 | Ground clearance centre wheel base (lowest point) | m_2 (mm) | 96 | 96 | 96 |
| 4.33 | Aisle width for pallets 1000x1200 cross * | A_{st} (mm) | 3013 | 3013 | 3352 |
| 4.34 | Aisle width for pallets 800x1200 along * | A_{st} (mm) | 2934 | 2934 | 3272 |
| 4.35 | Turning radius * | W_a (mm) | 1516 | 1516 | 1854 |

Performance

| | | | | | |
|------|---------------------------------------|--------|-------------|-------------|-------------|
| 5.1 | Speed travel laden / unladen | km / h | 3,3 / 3,5 | 3,3 / 3,5 | 3,3 / 3,5 |
| 5.2 | Speed lift laden / unladen | m / s | 0,07 / 0,16 | 0,06 / 0,14 | 0,05 / 0,12 |
| 5.3 | Speed lower laden / unladen | m / s | 0,3 / 0,2 | 0,3 / 0,2 | 0,4 / 0,2 |
| 5.7 | Climbing capacity with / without load | % | 4 / 6 | 3,5 / 6 | 3 / 6 |
| 5.8 | Max. gradeability laden / unladen | % | - | - | - |
| 5.10 | Service brake | | electrical | electrical | electrical |

E-Motor

| | | | | | |
|-----|---|--------|------------------------------|-----|-----|
| 6.1 | Traction- / Lift motor, output / 1 hour rating | kW | 2,7 | 2,7 | 2,7 |
| 6.2 | | | | | |
| 6.3 | Battery according to DIN 43531 / 35 / 36, A / B / C, no | | no | no | no |
| 6.4 | Battery voltage / Capacity K_s | V / Ah | 24 / 240, 270, 315, 345, 375 | | |
| 6.5 | Battery weight | kg | min. 310 | | |
| 6.6 | | | | | |

Others

| | | | | | |
|-----|--------------------|--|-------|-------|-------|
| 8.1 | Motor control type | | pulse | pulse | pulse |
| | | | | | |
| | | | | | |
| | | | | | |

* in accordance with FEM 4.005

** from 3300 mm lift height reduction of carrying capacity to 80 %

*** with mast design in series, further designs on request

**** depending on device version