

E 8-10N Technical Data

VDI 2198

| Specification | 1.1 | Manufacturer | | OM | OM | |
|------------------------------|------|--|---------------------|-------------------|--------------------------|---------------------|
| | 1.2 | Model designation | | E 8 N | E 10 N | |
| | 1.3 | Type of drive: Electric - Diesel - Petrol - GPL - Network Power (Electric) | | Electric | Electric | |
| | 1.4 | Operation Type: Hand - Stand on - Driver seated | | Driver Seated | Driver Seated | |
| | 1.5 | Load Capacity | Q (t) | 0,8 | 1 | |
| | 1.6 | Load Baricenter Distance | c (mm) | 500 | 500 | |
| | 1.8 | Distance from axle centre to fork face | x (mm) | 326 ¹⁾ | 326 ¹⁾ | |
| | 1.9 | Wheel Base | y (mm) | 1150 | 1150 | |
| Weights | 2.1 | Service Weight | kg | 1875 | 1900 - 1940 (twin) | |
| | 2.2 | Axle Weight with rated load | front / rear | kg | 2250/425 | 2600/300 |
| | 2.3 | Axle Weight without load | front / rear | kg | 875/1000 | 880/1020 |
| Wheels and Tyres | 3.1 | Tyres SE = superelastic - PN = pneus | | SE / SE | SE / SE ²⁾ | |
| | 3.2 | Front tyres size | | 4.00 - 8 | 16 x 6 - 8 ²⁾ | |
| | 3.3 | Rear tyres size | | 4.00 - 4 | 4.00 - 4 ²⁾ | |
| | 3.5 | Tyres number front / rear (x = drive) | | 2x/2 | 2 (4) x / 2 | |
| | 3.6 | Front track width | b10 (mm) | 730 | 760 - 865 (twin) | |
| | 3.7 | Rear track width | b11 (mm) | 170 | 170 | |
| Dimensions and Overall Sizes | 4.1 | Lifting assembly tilting | forward/backward | Grad | 7°/8° ⁴⁾ | 7°/8° ⁴⁾ |
| | 4.2 | Mast minimum overall height | | h1 (mm) | 2095 | 2095 |
| | 4.3 | Free height | | h2 (mm) | 150 | 150 |
| | 4.4 | Lift height | | h3 (mm) | 2900 ³⁾ | 2900 ³⁾ |
| | 4.5 | Mast maximum overall height | | h4 (mm) | 3480 | 3480 |
| | 4.7 | Overheadguard height | | h6 (mm) | 2070 | 2070 |
| | 4.8 | Seat Height | | h7 (mm) | 1070 | 1070 |
| | 4.12 | Drawbar height | | h10 (mm) | - | - |
| | 4.19 | Overall Length | | l1 (mm) | 2430 | 2430 |
| | 4.20 | Overall Length including fork arms spessore forche | | l2 (mm) | 1630 | 1630 |
| | 4.21 | Overall width | b1/b2 (mm) | 850 | 920 - 1115 (twin) | |
| | 4.22 | Fork arms dimension | s/e/l (mm) | 30/80/800 | 30/80/800 | |
| | 4.23 | Fork carriage in compliance with DIN 15173 Classe / Form A, B | | 1-A | 1-A | |
| | 4.24 | Fork carriage width | b3 (mm) | 820 ⁵⁾ | 820 ⁵⁾ | |
| | 4.31 | Mast ground clearance (with load) | m1 (mm) | 105 | 105 | |
| | 4.32 | Chassis ground clearance (with load) [middle of the chassis] | m2 (mm) | 130 | 130 | |
| | 4.33 | Aisle width with pallet 1000x1200 and fork arm pitch 1200 | Ast (mm) | 2955 | 2955 | |
| | 4.34 | Aisle width with pallet 800x1200 and fork arm pitch 800 | Ast (mm) | 3075 | 3075 | |
| | 4.35 | Turning radius | Wa (mm) | 1295 | 1295 | |
| | 4.36 | Turning point minimum distance from the truck center line | b13 (mm) | 0 | 0 | |
| Performance | 5.1 | Drive speed | with / without load | km/h | 11/12 | 10/11 |
| | 5.2 | Lifting speed | with / without load | m/s | 0,21/0,35 | 0,20/0,35 |
| | 5.3 | Lowering speed | with / without load | m/s | 0,46/0,40 | 0,45/0,40 |
| | 5.5 | Drawbar pull tractive effort (S2 60 min) | with / without load | N | 650/*** | 600/*** |
| | 5.6 | Drawbar pull tractive effort (S2 5 min) | with / without load | N | 2500/*** | 2400/*** |
| | 5.7 | Gradeability (S2 30 min) | with / without load | % | 4,5/6 | 3/4,5 |
| | 5.8 | Maximum gradeability (S2 5 min) | with / without load | % | 10,5/14,5 | 8/12 |
| | 5.9 | Acceleration time (10 m) | with / without load | s | - | 6,8/6,3 |
| | 5.10 | Service brake | | | Mechanic-Hydraulic | Mechanic-Hydraulic |
| Engine | 6.1 | Drive motor, power S2 60 min | kW | 1,6 x 2 | 1,6 x 2 | |
| | 6.2 | Lifting motor, power S3 10% | kW | 3 | 3 | |
| | 6.3 | Battery in compliance with DIN 43531/35/36 A, B, C, NO | | NO | NO | |
| | 6.4 | Voltage, Battery Capacity K5 | V / Ah | 24/490 | 24/490 | |
| | 6.5 | Battery weight | kg | 530 | 530 | |
| | 6.6 | Power consumption according to VDI cycle | kWh/h | 2,4 | 2,7 | |
| Others | 8.1 | Drive control type | | Chopper | Chopper | |
| | 8.2 | Service pressure for attachments | bar | 125 | 150 | |
| | 8.4 | Noise at operator's ear | dB (A) | 66,4 | 66,4 | |

The values presented are to be taken as indicative and not binding; they refer to the standard equipment

1) x=346mm with triplex masts; with lateral side shift +50mm

2) For alternative wheels see table

3) For alternative masts see table

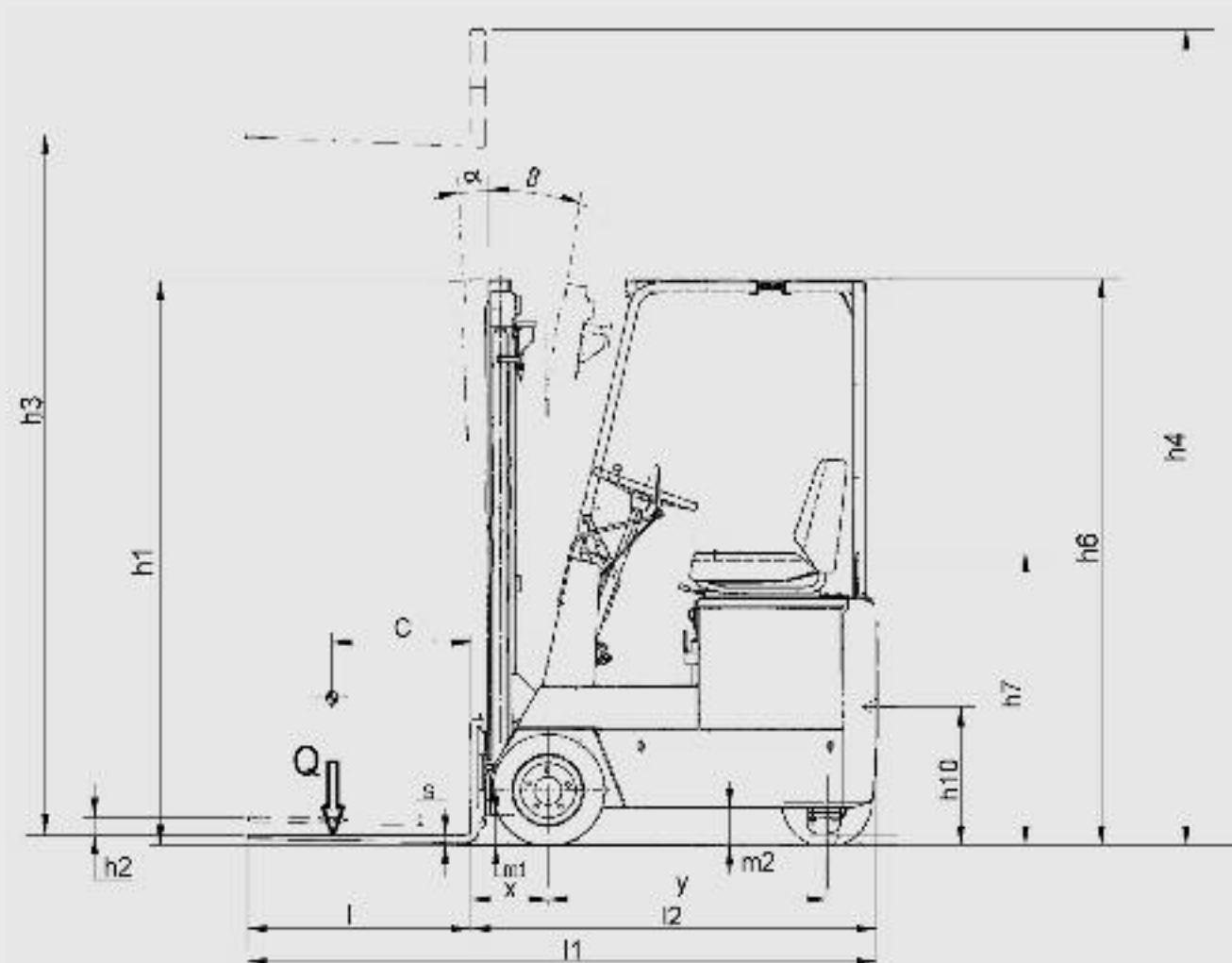
4) E8-10N:

3°/6° SX mast with h3 > 4000 mm, DX with h3>3000 mm and TX masts;

7°/8° SX mast with h3 <= 4000 mm and DX with h3 <= 3000 mm

3°/6° with SX and DX with cab or/and with front glass

5) fork carriage width =745mm with duplex and triplex masts



| LIFT MAST SPECIFICATIONS | | | | | | | | | | WHEELS | | | | |
|--------------------------|------------------------|-------|----|---------------|------|--------|------|--------|------|--------|----------------------------|----------|--------------------------|----------|
| | | | | Standard (SX) | | DX GAL | | TX GAL | | Type | Wheels stand. Superelastic | | Wheels twin Superelastic | |
| E 8N E 10N | Lift Height | h_3 | mm | 2900 | 3600 | 4000 | 5000 | 2900 | 3600 | 4300 | 4700 | 5000 | 5600 | |
| | Minimum Overall Height | h_1 | mm | 2095 | 2445 | 2645 | 3145 | 2020 | 2370 | 2005 | 2135 | 2240 | 2435 | |
| | Maximum Overall Height | h_4 | mm | 3480 | 4180 | 4580 | 5580 | 3470 | 4170 | 4875 | 5270 | 5580 | 6170 | |
| | Free Lift | h_2 | mm | 150 | 150 | 150 | 150 | 1450 | 1800 | 1435 | 1565 | 1670 | 1865 | |
| | | | | | | | | | | E 8N | 4.00 - 8 | 4.00 - 4 | - | - |
| | | | | | | | | | | E 10N | 16 x 6-8 | 4.00 - 4 | 4.00 - 8 (twin) | 4.00 - 4 |

LOAD CAPACITY AT THE MAXIMUM LIFT HEIGHT

| MAST Type | lift height h_3 | E 8N | | E 10N | | | |
|-------------------------|-------------------|----------------------|----------------------|----------|-------------|----------|-------------|
| | | SES | | SES | | SEG | |
| | | with SLI | without SLI | with SLI | without SLI | with SLI | without SLI |
| SX Load center 500mm | 2900 | 800 | 800 | 950 | 1000 | 950 | 1000 |
| | 3600 | 800 | 800 | 950 | 1000 | 950 | 1000 |
| | 4000 | 800 | 800 | 900 | 1000 | 900 | 1000 |
| | 5000 | 750 (800 bar. 400mm) | | 800 | 750 | 800 | 800 |
| DX Load center 500mm | 2900 | 800 | 800 | 950 | 1000 | 950 | 1000 |
| | 3600 | 800 | 800 | 950 | 1000 | 950 | 1000 |
| TX Load center 500mm | 4300 | 800 | 800 | 900 | 1000 | 900 | 1000 |
| | 4700 | 700 (750 bar. 400mm) | 750 (800 bar. 400mm) | 800 | 900 | 800 | 900 |
| | 5000 | 600 (650 bar. 400mm) | 700 (750 bar. 400mm) | 700 | 800 | 750 | 850 |
| | 5600 | 500 (550 bar. 400mm) | 600 (650 bar. 400mm) | 500 | 600 | 600 | 700 |