



Technical specifications for forklift trucks, series EV

| | | | | | | | | |
|----------------------------|-------------------------|--------------------|--|--|-----------------|---------------|---------------|---------------|
| General information | 1 | | Abridged name | | EV 687 | EV 717 | EV 735 | |
| | 3 | Load capacity | Q | Rated load | t | 1.0 | 2.0 | 3.0 |
| | 4 | Load centre | c | from Fork face | mm | 500 | | |
| | 5 | Power unit | | electrical; diesel; LPG | | Accumulator | | |
| | 6 | Driver position | | Walking, standing, sitting; | | sitting | | |
| | 7 | Tyres | | Front/rear (V-solid; L-pneumatic) | | L/V | | |
| | 8 | Wheels (x-driven) | | Number front/rear | pcs. | 2x/2 | | |
| | Basic Dimensions | 9 | Two-stage mast lifts | h3 | max lift height | mm | 3300 | |
| 10 | | h2 | | nominal free lift | mm | 160 | | |
| 11 | | h5 | | full-free lift | mm | - | | |
| 12 | | Fork carriage | | According DIN 15173 A/B/none | | 2A | | |
| 13 | | Fork dimensions | | s / e / l | mm | 40/100/950 | 40/125/950 | 50/125/950 |
| 14 | | Tilt | | α -forward / β -back | deg | 4°30' / 9° | 4°30' / 10° | 3°15' / 8°30' |
| 15 | | Overall dimensions | L2 | Length to fork face | mm | 1840 | 2300 | 2470 |
| 16 | | | B | Width | mm | 960 | 1150 | 1220 |
| 17 | | | h1 | Height, mast lowered | mm | 2200 | | |
| 18 | | | h4 | Height, mast extended | mm | 3890 | 3900 | 3890 |
| 19 | | | h6 | Height, Overhead guard | mm | 2160 | 2160 | 2250 |
| 21 | Turning radius | Wa | Outside | mm | 1500 | 1925 | 2100 | |
| 22 | Load distance | x | from Front axle to Fork face | mm | 350 | 435 | 495 | |
| 23 | Aisle width | Ast | for 800/1200, 1000/1200 pallets | mm | 2850 | 3360 | 3595 | |
| Performance | 24 | Speeds | | Travelling loaded / unloaded | km/h | 13 / 15 | 14 / 16 | 15 / 17 |
| | 25 | | | Lowering loaded / unloaded | m/s | 0.45 / 0.20 | 0.40 / 0.17 | 0.45 / 0.25 |
| | 26 | | | Lifting loaded / unloaded | m/s | 0.28 / 0.35 | 0.25 / 0.32 | 0.30 / 0.36 |
| | 29 | Gradeability | | loaded / unloaded (S ₂ = 5 min) | % | 4 / 6 | | |
| 30 | Maximal gradeability | | loaded / unloaded (S ₂ = 1 min) | % | 8 / 12 | | 12 / - | |

| | | | | | | | | | |
|----------------|--------------------|-------------------|-----------------|--|-------|--------------------|------------|------------|-----------|
| | 32 | Own weight | | incl. battery | kg | 2250 | 3500 | 5250 | |
| | 33 | Axle load | | loaded (front / rear) | kg | 2820 / 430 | 5000 / 500 | 7600 / 700 | |
| Chassis | 35 | Tyres | | Quantity front/rear | pcs. | 2 / 2 | | | |
| | 36 | | | Dimensions | front | "(mm) | 6 - 9 | 7 - 12 | 8.15 - 15 |
| | 37 | | | | rear | "(mm) | 4 - 8 | 18x7-8 | |
| | 38 | Wheelbase | y | | mm | 1085 | 1365 | 1510 | |
| | 39 | Track | | centre of tyre (front/rear) | mm | 785 / 685 | 955 / 776 | 990 / 876 | |
| Drive | 43 | Battery | | Type | | Traction (Tubular) | | | |
| | 44 | | | Tension / Capacity (at 5-hour discharge) | V/Ah | 2x40/160 | 2x40/280 | | |
| | 45 | | | Weight | kg | 650 | 916 | | |
| | 46 | Electric motors | | Traction, power (S ₂ =60 min) | kW | 3.6 | 6.3 | 15 | |
| | 47 | | | Lifting, power (S ₃ =15% / S ₄ =25%) | kW | 6.5 | 10 | 10 / 6.5 | |
| | 49 | Operation control | | Type | | relay | | | |
| | 53 | Transmission | | Type | | Differential gear | | | |
| | 54 | Speed shifting | | Number of gears | pcs. | 5 | 6 | | |
| 57 | Hydraulic pressure | | for attachments | bar | 175 | | | | |