Technical sheet :



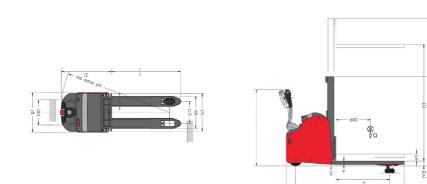




| | Technical characteristics |
|-------|---|
| 1.1 | Manufacturer |
| 1.2 | Model Name |
| 1.3 | Power source |
| 1.4 | Operator type |
| 1.5 | Max. capacity |
| 1.6 | Load center of gravity |
| 1.8 | Distance from Load backrest to center of rear axle |
| 1.9 | Wheelbase |
| | Weight |
| 2.1 | Service weight |
| 2.2 | Weight on front axle (laden) / rear axle (laden) |
| 2.3 | Weight on front axle (Unladen) / rear axle (Unladen) |
| | Wheels |
| 3.1 | Tires type |
| 3.3 | Number of load wheels / Size of load wheels |
| 3.4 | Number of stabilizer wheels / Size of the stabilizer wheels |
| 3.5 | Number of front wheels / rear wheels |
| 3.5.2 | Number of drive wheels / Size of drive wheels |
| 3.6 | Front wheel gauge |
| 3.7 | Rear wheel gauge |
| | Dimensions |
| 4.15 | Fork height in low position |
| 4.19 | Overall length |
| 4.20 | Length to face of forks |
| 4.21 | Overall width |
| 4.22 | Forks section / width / length |
| 4.24 | Fork carriage width |
| 4.31 | Ground clearance below mast |
| 4.32 | Ground clearance at centre of wheelbase |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways |
| 4.34 | Aisle Width for pallets 800 x 1200 crossways |
| 4.35 | Tuming radius |
| 4.9 | Height tiller min. / max. |
| | Performances |
| 5.1 | Travel speed (laden / unladen) |
| 5.2 | Lifting speed (laden / unladen) |
| 5.3 | Lowering speed (laden / unladen) |
| 5.8 | Max Gradeability (laden / unladen) |
| 5.10 | Service brake |
| | Engine |
| 6.1 | Drive motor rating S2 60 min |
| 6.2 | Lift motor rating at S3 15% |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C |
| 6.4 | Battery voltage / capacity |
| 6.5 | Battery weight (+/- 5%) |
| | Miscellaneous |
| 8.1 | Type of drive control |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 |
| | |

| ES 41 | • Created on August 11, 2025 at 3:13 AM UTC | | | | |
|-----------------|---|--|--|--|--|
| | Metric | | | | |
| | Manitou | | | | |
| | ES 410 | | | | |
| | Electrical | | | | |
| | Pedestrian | | | | |
| Q | 1000 kg | | | | |
| с | 600 mm | | | | |
| x | 723 mm | | | | |
| у | 1286 mm | | | | |
| | | | | | |
| | 870 kg | | | | |
| | 709 kg / 1161 kg | | | | |
| | 609 kg / 261 kg | | | | |
| | | | | | |
| | Polyurethane | | | | |
| | 2 / 125x50 | | | | |
| | 1 / 125x50 | | | | |
| | 2 / 2 | | | | |
| | 1/230x70 | | | | |
| b10 | 517 mm | | | | |
| b11 | 380 mm | | | | |
| | | | | | |
| h13 | 85 mm | | | | |
| 11 | 1875 mm | | | | |
| 12 | 725 mm | | | | |
| b1 | 832 mm | | | | |
| s / e / l | 60 mm / 180 mm / 1150 mm | | | | |
| b3 | 680 mm | | | | |
| m1 | 35 mm | | | | |
| m2 | 30 mm | | | | |
| Ast | 2605 mm | | | | |
| Ast | 2518 mm | | | | |
| Wa h14 / h14 | 1516 mm 920 mm / 1425 mm | | | | |
| 1114 / 1114 | 920 mm / 1423 mm | | | | |
| | 6 km/h / 6 km/h | | | | |
| | 0.14 m/s / 0.24 m/s | | | | |
| | 0.30 m/s / 0.20 m/s | | | | |
| | 8 % / 10 % | | | | |
| | Electro magnetic | | | | |
| | | | | | |
| | 1.20 kW | | | | |
| | 3 kW | | | | |
| | DIN 43535-B | | | | |
| | 24 V / 160 Ah | | | | |
| | 165 kg | | | | |
| | | | | | |
| | AC | | | | |
| | 65 dB | | | | |
| | | | | | |

ES 410 - Dimensional drawing



Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 29 | FVD 34 | FVD 38 |
|---------------------------------|----|--------|--------|--------|
| h1 - Mast lowered height | mm | 1940 | 2190 | 2390 |
| h3 - Mast lifting height | mm | 2940 | 3440 | 3840 |
| h4 - Mast extended height | mm | 3365 | 3865 | 4265 |
| Residual capacity at max height | kg | 1000 | 900 | 750 |

| Free Lift Duplex (FLD) | | FLD 29 | FLD 34 |
|---------------------------------|----|--------|--------|
| h1 - Mast lowered height | mm | 1940 | 2190 |
| h2 - Mast free lift | mm | 1510 | 1760 |
| h3 - Mast lifting height | mm | 2935 | 3435 |
| h4 - Mast extended height | mm | 3365 | 3865 |
| Residual capacity at max height | kg | 1000 | 900 |

| Free Lift Triplex (FLT) | | FLT 42 |
|---------------------------------|----|--------|
| h1 - Mast lowered height | mm | 1965 |
| h2 - Mast free lift | mm | 1470 |
| h3 - Mast lifting height | mm | 4240 |
| h4 - Mast extended height | mm | 4735 |
| Residual capacity at max height | kg | 550 |



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