

Technical sheet :

ES 720



 **MANITOU**
HANDLING YOUR WORLD

| Technical characteristics | | Metric | |
|---------------------------|---|-----------|--------------------------|
| 1.1 | Manufacturer | | Manitou |
| 1.2 | Model Name | | ES 720 |
| 1.3 | Power source | | Electrical |
| 1.4 | Operator type | | Pedestrian |
| 1.5 | Max. capacity | Q | 2000 kg |
| 1.6 | Load center of gravity | c | 600 mm |
| 1.8 | Distance from Load backrest to center of rear axle | x | 642 mm |
| 1.9 | Wheelbase | y | 1126 mm |
| Weight | | | |
| 2.1 | Service weight | | 1250 kg |
| Wheels | | | |
| 3.1 | Tires type | | Polyurethane |
| 3.3 | Number of load wheels / Size of load wheels | | 2 / 78x78 |
| 3.4 | Number of castor wheels | | 1 |
| 3.4 | Number of stabilizer wheels / Size of the stabilizer wheels | | 2 / 150x50 |
| 3.5 | Number of front wheels / rear wheels | | 1 / 2 |
| 3.5.2 | Number of drive wheels / Size of drive wheels | | 1/270x90 |
| 3.6 | Front wheel gauge | b10 | 844 mm |
| 3.7 | Rear wheel gauge | b11 | 351 mm |
| Dimensions | | | |
| 4.15 | Fork height in low position | h13 | 90 mm |
| 4.19 | Overall length | l1 | 1898 mm |
| 4.20 | Length to face of forks | l2 | 748 mm |
| 4.21 | Overall width | b1 | 974 mm |
| 4.22 | Forks section / width / length | s / e / l | 70 mm / 195 mm / 1150 mm |
| 4.24 | Fork carriage width | b3 | 840 mm |
| 4.32 | Ground clearance at centre of wheelbase | m2 | 25 mm |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast | 2330 mm |
| 4.35 | Turning radius | Wa | 1442 mm |
| 4.9 | Height tiller min. / max. | h14 / h14 | 900 mm / 1400 mm |
| Performances | | | |
| 5.1 | Travel speed (laden / unladen) | | 4.90 km/h / 6 km/h |
| 5.2 | Lifting speed (laden / unladen) | | 0.08 m/s / 0.15 m/s |
| 5.3 | Lowering speed (laden / unladen) | | 0.15 m/s / 0.10 m/s |
| 5.8 | Max Gradeability (laden / unladen) | | 4 % / 7 % |
| 5.10 | Service brake | | Electro magnetic |
| Engine | | | |
| 6.1 | Drive motor rating S2 60 min | | 1 kW |
| 6.2 | Lift motor rating at S3 15% | | 3 kW |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C | | No |
| 6.4 | Battery voltage / capacity | | 24 V / 189 Ah |
| 6.5 | Battery weight (+/- 5%) | | 190 kg |
| Miscellaneous | | | |
| 8.1 | Type of drive control | | DC |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | | 65 dB |

ES 720 - Dimensional drawing



Characteristics of masts and residual capacities

| Central Cylinder Simplex (CCS) | | CCS 15 | CCS 17 |
|---------------------------------|----|--------|--------|
| h1 - Mast lowered height | mm | 1945 | 2195 |
| h2 - Mast free lift | mm | 1420 | 1670 |
| h3 - Mast lifting height | mm | 1500 | 1700 |
| h4 - Mast extended height | mm | 1965 | 2215 |
| Residual capacity at max height | kg | 2000 | 2000 |
| Height at max capacity | mm | 1510 | 1760 |

| Full Visibility Duplex (FVD) | | FVD 29 | FVD 34 | FVD 38 |
|---------------------------------|----|--------|--------|--------|
| h1 - Mast lowered height | mm | 1945 | 2195 | 2395 |
| h3 - Mast lifting height | mm | 2900 | 3400 | 3800 |
| h4 - Mast extended height | mm | 3400 | 3900 | 4300 |
| Residual capacity at max height | kg | 2000 | 1800 | 1600 |
| Height at max capacity | mm | 2940 | | |

| Free Lift Duplex (FLD) | | FLD 29 | FLD 34 |
|---------------------------------|----|--------|--------|
| h1 - Mast lowered height | mm | 1945 | 2195 |
| h2 - Mast free lift | mm | 1420 | 1670 |
| h3 - Mast lifting height | mm | 2900 | 3400 |
| h4 - Mast extended height | mm | 3400 | 3900 |
| Residual capacity at max height | kg | 2000 | 1700 |
| Height at max capacity | mm | 2930 | |

| Free Lift Triplex (FLT) | | FLT 42 | FLT 47 | FLT 54 |
|---------------------------------|----|--------|--------|--------|
| h1 - Mast lowered height | mm | 1900 | 2065 | 2305 |
| h2 - Mast free lift | mm | 1380 | 1540 | 1790 |
| h3 - Mast lifting height | mm | 4200 | 4700 | 5400 |
| h4 - Mast extended height | mm | 4720 | 5200 | 5930 |
| Residual capacity at max height | kg | 1300 | 1000 | 700 |
| Height at max capacity | mm | 2900 | 2900 | 2900 |



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