Technical sheet :

AMR ES 616



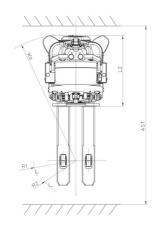


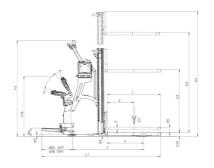
| | Technical sharestateter | |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| | Technical characteristics | |
| 1.1 | Manufacturer | |
| 1.2 | Model Name | |
| 1.3 | Power source | |
| 1.4 | Operator type | 0 |
| 1.5 | Max. capacity | Q |
| 1.6 | Load center of gravity | C (C |
| 1.8 | Load distance, centre of drive axle to fork (low/raised) - Low position / Raised position | x / Q |
| 1.9 | Wheelbase | у |
| 0.1 | Wheels The second secon | |
| 3.1 | Tires type | |
| 3.5 | Number of front wheels / rear wheels | |
| 3.5.2 | Number of drive wheels | |
| 3.6 | Front wheel gauge | b10 |
| 3.7 | Rear wheel gauge | b11 |
| | Dimensions | |
| 4.19 | Overall length | 1 |
| 4.20 | Length to face of forks | 12 |
| 4.21 | Overall width | b1 |
| 4.22 | Forks section / width / length | s / e / l |
| 4.24 | Fork carriage width | b3 |
| 4.32 | Ground clearance at centre of wheelbase | m2 |
| 4.33 | Aisle Width for pallets 1000 x 1200 crossways | Ast |
| 4.35 | Turning radius | Wa |
| | 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 \$3 15% | |
| 6.3 | Battery according to DIN 43531/35/36 A, B, C | |
| 6.4 | Battery voltage / capacity | |
| 6.4.1 | Battery max. capacity | |
| 6.5 | Battery weight (+/- 5%) | |
| 6.5.1 | Battery max. weight | |
| | Miscellaneous | |
| 8.1 | Type of drive control | |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | |

| AMR ES 616 | Created on | July 1, | 2025 at | 6:57 | PM UTC |
|------------|------------|---------|---------|------|--------|
|------------|------------|---------|---------|------|--------|

| AMR ES | | | | | | |
|-----------|--------------------------------------------|--|--|--|--|--|
| | Metric | | | | | |
| | MANITOU | | | | | |
| | AMR ES616 | | | | | |
| | Electrical | | | | | |
| | Carried | | | | | |
| Q | 1600 kg | | | | | |
| С | 600 mm | | | | | |
| x / Q | 725 mm / 685 mm | | | | | |
| у | 1457 mm | | | | | |
| | | | | | | |
| | Polyurethane | | | | | |
| | 2 / 4 | | | | | |
| | 1 | | | | | |
| b10 | 531 mm | | | | | |
| b11 | 380 mm | | | | | |
| | | | | | | |
| 1 | 2178 mm | | | | | |
| 12 | 1021 mm | | | | | |
| b1 | 800 mm | | | | | |
| s / e / l | 60 mm / 185 mm / 1150 mm | | | | | |
| b3 | 700 mm | | | | | |
| m2 | 30 mm | | | | | |
| Ast | 3003 mm | | | | | |
| Wa | 2143 m | | | | | |
| | | | | | | |
| | 6 km/h / 6 km/h | | | | | |
| | 0.18 m/s / 0.30 m/s 0.27 m/s / 0.22 m/s | | | | | |
| | 7 % / 10 % | | | | | |
| | | | | | | |
| | Electro magnetic | | | | | |
| | 1.50 kW | | | | | |
| | 3 kW | | | | | |
| | DIN 43535-B | | | | | |
| | 24 V / 270 Ah | | | | | |
| | 375 A | | | | | |
| | 255 kg | | | | | |
| | 305 kg | | | | | |
| | | | | | | |
| | Variator | | | | | |
| | 70 dB | | | | | |
| | | | | | | |

AMR ES 616 - Dimensional drawing





Characteristics of masts and residual capacities

| Full Visibility Duplex (FVD) | | FVD 29 | FVD 34 | FVD 38 | FVD 43 |
|---------------------------------|----|--------|--------|--------|--------|
| h1 - Mast lowered height | mm | 1953 | 2203 | 2403 | 2653 |
| h3 - Mast lifting height | mm | 2936 | 3436 | 3836 | 4336 |
| h4 - Mast extended height | mm | 3390 | 3890 | 4290 | 4790 |
| Residual capacity at max height | kg | 1350 | 1100 | 850 | 720 |



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