Technical sheet:

ER 16



Technical Characteristics		
1.2 Model Name ER 16 1.3 Power source Electrical 1.4 Operator type Seated 1.5 Max. capacity Q 1600 kg 1.6 Load center of gravity c 600 mm 1.8 Load distance, centre of drive axle to fork x 439 mm 1.9 Wheelbase y 1448 mm 2.1 Service weight 3190 kg 3190 kg 3.1 Tires type Vulkollan 1 x 355 x 155 3.3 Number of drive wheels - Size of dive wheels 1 x 355 x 155 3.3 Number of front wheels / rear wheels 1 / 2 3.5 Number of front wheels / rear wheels 1 / 2 3.6 Front wheel gauge b10 0 mm 3.7 Rear wheel gauge b10 0 mm 4.8 Seat height/stand height h7 1077 mm 4.19 Overall length 11 2379 mm 4.20 Length to face of forks 12 1229 mm 4.21 Ov		
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4.33 Aisle width for 1000 x 1200 pallet lengthways 2689 mm 4.34 Aisle width for 800 x 1200 pallet lengthways Ast 2728 mm		
4.35 Tuming radius Wa 1668 mm		
4.7 Height of overhead guard (cabin) h6 2205 mm		
Performances		
5.1 Travel speed (laden / unladen) 14.30 km/h		
5.2 Lifting speed (laden / unladen) 0.49 m/s / 0.80 m/s		
5.3 Lowering speed (laden / unladen) 0.49 m/s / 0.48 m/s		
5.4.1 Reach speed (with load / without load) 0.20 m/s / 0.20 m/s		
5.7 Gradeability (laden / unladen) 8.50 % / 11.10 %		
5.10 Service brake Electric		
Engine		
6.1 Drive motor rating S2 60 min 7.20 kW		
6.2 Lift motor rating at 53 15% 15 kW		
6.3 Battery according to DIN 43531/35/36 A, B, C DIN 43531 C		
6.4 Battery voltage / capacity 48 V / 465 Ah		
6.5 Battery weight (+/- 5%) 735 kg		
Miscellaneous		
8.1 Type of drive control Electronic		
8.3 Oil flow rate for attachments 25 l/min		
8.4 Sound level at the driver's ear according to DIN 12 053 60.80 dB		

ER 16 - Dimensional drawing



Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 63	FLT 68	FLT 73	FLT 80	FLT 85	FLT 90
α - Mast/fork carriage tilt, forward	۰	3	3	3	3	3	3	3	3
β - Mast/fork carriage tilt, backward	٠	1	1	1	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2640	2790	2957	3190	3673	3823
h2 - Mast free lift	mm	1600	1800	1900	2100	2400	2650	3100	3200
h3 - Mast lifting height	mm	4800	5400	6300	6750	7250	7950	8450	8950
h4 - Mast extended height	mm	5380	5980	6880	7330	7830	8530	9080	9530
Residual capacity with integrated side shift at max heigth	kg	1600	1600	1400	1100				





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