Technical sheet :

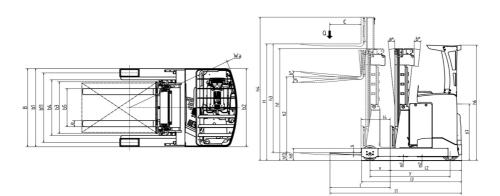




| | Technical characteristics | |
|--------|---|-----------|
| 1.1 | Manufacturer | |
| 1.2 | Model Name | |
| 1.3 | Power source | |
| 1.4 | Operator type | |
| 1.5 | Max. capacity | Q |
| 1.6 | Load center of gravity | С |
| 1.8 | Load distance, centre of drive axle to fork | x |
| 1.9 | Wheelbase | у |
| | Weight | |
| 2.1 | Service weight | |
| | Wheels | |
| 3.1 | Tires type | |
| 3.5.2 | Number of drive wheels - Size of drive wheels | |
| 3.3 | Number of load wheels - Size of load wheels | |
| 3.5 | Number of front wheels / rear wheels | |
| 3.6 | Front wheel gauge | b10 |
| 3.7 | Rear wheel gauge | b11 |
| | Dimensions | |
| 4.7 | Height of overhead guard (cabin) | h6 |
| 4.8 | Seat height/stand height | h7 |
| 4.19 | Overall length | 11 |
| 4.20 | Length to face of forks | 12 |
| 4.21 | Overall width | b1 |
| 4.22 | Forks section / width / length | s / e / l |
| 4.23 | Fork carriage ISO 2328 (class/form) A/B | |
| 4.26 | Distance between wheel arms/loading surfaces | b4 |
| 4.25.1 | Width over forks min. / max. | b5 |
| 4.32 | Ground clearance at centre of wheelbase | m2 |
| 4.33 | Aisle width for 1000 x 1200 pallet lengthways | |
| 4.34 | Aisle width for 800 x 1200 pallet lengthways | 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) | |
| 5.4.1 | Reach speed (with load / without load) | |
| 5.7 | 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 | |
| 8.3 | Oil flow rate for attachments | |
| 8.4 | Sound level at the driver's ear according to DIN 12 053 | |
| | | |

| | Metric |
|--------|-------------------------------------|
| | MANITOU |
| | ER 20 |
| | Electrical |
| | Seated |
| | 2000 kg |
| | 600 mm |
| | 441 mm |
| | 1530 mm |
| | 10150 |
| | 3740 kg |
| | Weller |
| | Vulkollan |
| | 1 x 355 x 155 |
| | 2 x 28*105 |
| 0 | 1/2 |
| 0 | 0 mm |
| 1 | 1128 mm |
| | 2205 |
| б 7 | 2205 mm |
| 7 | 1077 mm |
| | 2460 mm |
| 2 | 1310 mm |
| 1 | 1270 mm 40 mm x 100 mm / 1150 mm |
| e / I | 2A |
| 4 | 903 mm |
| + 5 | 316 mm / 697 mm |
| 2 | 70 mm |
| 2 | 2770 mm |
| st | 2820 mm |
| a | 1750 mm |
| d | 1750 1111 |
| | 14.30 km/h / 14.50 km/h |
| | 0.37 m/s / 0.63 m/s |
| | 0.55 m/s / 0.43 m/s |
| | 0.20 m/s / 0.20 m/s |
| | 6.90 % / 10.20 % |
| | Electric |
| | |
| | 7.20 kW |
| | 15 kW |
| | DIN 43531 C |
| | 48 V / 620 Ah |
| | 920 kg |
| | 220 Kg |
| | Electronic |
| | 25 l/min |
| | 60.80 dB |
| | 1.00 00 |
| | |

ER 20 - Dimensional drawing



Characteristics of masts and residual capacities

| Free Lift Triplex (FLT) | | FLT 48 | FLT 54 | FLT 57 | FLT 63 | FLT 68 | FLT 73 | FLT 80 | FLT 85 | FLT 9 |
|--|----|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| Mast/fork carriage tilt, forward | ۰ | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Mast/fork carriage tilt, backward | ٥ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| h1 - Mast lowered height | mm | 2140 | 2340 | 2640 | 2790 | 2957 | 3040 | 3190 | 3357 | 3523 |
| h2 - Mast free lift | mm | 16001 | 1800 | 1900 | 2100 | 2250 | 2400 | 2650 | 2800 | 2980 |
| h3 - Mast lifting height | mm | 4800 | 5400 | 5700 | 6300 | 6750 | 7250 | 7950 | 8450 | 8950 |
| h4 - Mast extended height | mm | 5380 | 5980 | 6880 | 7330 | 7830 | 8080 | 8530 | 9030 | 9530 |
| Residual capacity with integrated side shift at max heigth | kg | 2000 | 2000 | 2000 | 1850 | 1600 | | | | |



44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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