



Z163.720-11===

Drawing





Technical table

| Characteristics | | Tolerance | M.U. | |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|------------------------------|
| 1.01 | Model number | | | Z163.720-11=== |
| 1.02 | Model name | | | M5 |
| 1.03 | Manufacturer | | | ZALLY |
| 1.04 | Operator | | | Pedestrian |
| 1.05 | Power unit | | | Electric |
| 1.06 | UL certification | | | |
| 1.07 | CE certification | | | |
| 1.08 | Plant tension | | V | 24 |
| 1.09 | Nominal power | | kW | 1 |
| Frame characteristics | | Tolerance | M.U. | |
| 1.80 | Frame made of | | | Steel |
| 1.82 | Anti-Corrosion Treatment (on customer demand only) | | | Cataphoresis |
| 1.83 | Frame treatment | | | Polyester powder coating |
| Safety data | | Tolerance | M.U. | |
| 2.01 | Dead man safety system | | | Sensor on tiller head |
| 2.02 | Emergency reverse button | | | On tiller head |
| 2.06 | Power supply disconnection device / Emergency stop | | | Detachable power connector |
| 2.10 | Acoustic signaling | | | Beeper |
| 2.11 | Drive controls | | | Maintained action switch |
| Performances | | Tolerance | M.U. | |
| 3.01 | Max. forward speed | ± 5 % | km/h | 5,5 |
| 3.02 | Max. backward speed | ± 5 % | km/h | 5,5 |
| 3.06 | Max.load capacity on flat ground | | kg | 500 |
| 3.11 | Max.towing capacity on flat ground (max 3 min) ** | | kg | 4000 |
| 3.15 | Max.slope with load * | | % | 15 |
| 3.23 | Max towing force at hook ** | | N | 1800 |
| 3.38 | * Load capacity is subject to kind of slope , kind of floor and operating time | | | |
| 3.40 | ** While the force expressed in N at the hook remains unchanged, the following circumstances may affect the towing capacity expressed in KG : type of ground on which the towing is performed, the use (or not) of ballasts and type of wheels mounted on the vehicle and on the trailer | | | |
| Drive controls | | Tolerance | M.U. | |
| 4.01 | Type of control | | | Tillerhead |
| 4.02 | Type of start control | | | Butterfly lever |
| Standard battery specifications | | Tolerance | M.U. | |
| 5.01 | Batteries | | | 2 |
| 5.02 | Batteries type | | | Traction lead acid batteries |
| 5.03 | Battery voltage | | V | 12 |
| 5.04 | Nominal Capacity 5 h | | Ah | 72 |
| 5.05 | Nominal Capacity 20 h | | Ah | 96 |
| 5.06 | Weight of each battery | | kg | 25 |
| Optional battery specifications | | Tolerance | M.U. | |
| 5.11 | Batteries pcs | | | 2 |
| 5.12 | Batteries type | | | Traction AGM batteries |
| 5.13 | Battery voltage | | V | 12 |



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|-------------------------------------------|-------------------------------------------------------------------------|------------------|-------------|--------------------------------------|
| 5.14 | Nominal Capacity k5 | | Ah | 50 |
| 5.15 | Nominal Capacity k20 | | Ah | 70 |
| 5.16 | Weight of each battery | | kg | 22 |
| 5.21 | Batteries | | | 4 |
| 5.22 | Batteries type | | | Traction lead acid batteries |
| 5.23 | Battery voltage | | V | 6 |
| 5.24 | Nominal Capacity k5 | | Ah | 180 |
| 5.25 | Nominal Capacity k20 | | Ah | 240 |
| 5.26 | Weight of each battery | | kg | 29 |
| 5.31 | Batteries | | | 4 |
| 5.32 | Batteries type | | | Traction GELbatteries |
| 5.33 | Battery voltage | | V | 6 |
| 5.34 | Nominal Capacity k5 | | Ah | 180 |
| 5.35 | Nominal Capacity k20 | | Ah | 240 |
| 5.36 | Weight of each battery | | kg | 33 |
| Available chargers | | Tolerance | M.U. | |
| 6.40 | Standard voltage | | V | 220/240 |
| 6.41 | Multitension | | V | 110/240 |
| 6.42 | Plug | | | In use in the country of destination |
| Technical data of standard charger | | Tolerance | M.U. | |
| 6.01 | Battery charger | | | External - high frequency |
| 6.02.1 | Input voltage max | | V | 230 |
| 6.03 | Input Frequency | | Hz | 50-60 |
| Optional charger specifications | | Tolerance | M.U. | |
| 6.14 | Charger suitable for AGM batteries of | | A | 50/70 |
| 6.19 | **for all other details please refer to standard charger specifications | | | |
| 6.20 | Charger suitable for lead acid batteries of | | A | 180/240 |
| 6.25 | **for all other details please refer to standard charger specifications | | | |
| 6.26 | Charger suitable for GEL batteries of | | A | 180/240 |
| 6.31 | **for all other details please refer to standard charger specifications | | | |
| Drive motor | | Tolerance | M.U. | |
| 7.03 | Engine | | | Electric |
| 7.04 | Electricity | | | Direct current |
| 7.05 | Engine voltage | | V | 24 |
| Technical data | | Tolerance | M.U. | |
| 8.01 | Transmission system | | | Mechanical |
| 8.02 | Transmission lubrication | | | In oil bath |
| 8.06 | Service brake | | | Electronic |
| 8.08 | Parking brake | | | Electro-Mechanical |
| Weight | | Tolerance | M.U. | |
| 9.01 | Weight without batteries | | kg | 90 |
| 9.08 | Weight incl. 72/96A lead acid batteries | | kg | 140 |
| 9.09 | Weight incl. 50/70A AGM batteries | | kg | 134 |
| 9.10 | Weight incl. 180/240A lead acid batteries | | kg | 206 |
| 9.11 | Weight incl. 180/240A GEL batteries | | kg | 222 |
| Dimensions | | Tolerance | M.U. | |
| 10.01 | Length | | mm | 1733 |
| 10.02 | Width | | mm | 795 |
| 10.03 | Height of start control | | mm | 1320 |



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|------------------------|-------------------------------------------------------|------------------|-------------|---------------------------------|
| 10.08 | Loading platform height | | mm | 500 |
| 10.14 | Wheelbase | | mm | 670 |
| 10.15 | Turning circle | | mm | 1500 |
| 10.16 | * with tiller in vertical position | | | |
| 10.50 | **For further details please click on technical draws | | | |
| Standard wheels | | Tolerance | M.U. | |
| 11.01 | Drive wheels | | | 2 |
| 11.03 | Pivoting wheels no. | | | 1 |
| 11.05 | Tyres | | | Pneumatic |
| 11.07 | Drive wheels type | | | Turf tires |
| 11.11 | Pivoting wheel type | | | Grooved tyre |
| 11.13 | Drive tyres size | | | 16-6.50-8" |
| 11.17 | Pivoting wheel size | | | 13-5.00-6" |
| 11.25 | Inflation pressure | | bar | 1.2 / 1.6 |
| Optional wheels | | Tolerance | M.U. | |
| 11.42 | Tyres | | | Super-elastic non-marking wheel |
| 11.43 | Kind of tyres | | | Turf tyres |
| 11.44 | Drive tyres size | | | 4.00-8" |
| 11.47 | Pivoting wheel size | | | 4.00-4" |