



**Z177.720-1===**

**Technical drawing**



<b>Zolllys</b>	TABLE: <b>Z177.720</b>	M1	Unit: mm [inch]
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## Technical data

### 1. Characteristics

Réf.no.	Description	U.M.	Valeur
1.01	Model number		Z177.720-1===
1.02	Model name		M1
1.03	Manufacturer		Zallys
1.04	Operator		Pedestrian
1.05	Power unit		Electric
1.07	CE certification		
1.08	Plant tension	V	24
1.09	Nominal power	kW	0,30

### 1. Frame characteristics

Réf.no.	Description	U.M.	Valeur
1.80	Frame made of		Steel
1.83	Frame treatment		Polyester powder coating

### 2. Safety data

Réf.no.	Description	U.M.	Valeur
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
2.20	Handarm vibration	m/s <sup>2</sup>	<2,5
2.22	Noise level at operator's ears	dB	<70

### 3. Performances

Réf.no.	Description	U.M.	Valeur
3.01	Max. forward speed	km/h	4,0
3.04	Max. backward speed	km/h	4,0
3.20	Max.towing capacity on flat ground (without ballasts) **	kg	800
3.21	Max.towing capacity on flat ground (with ballasts) **	kg	1.000
3.22	Max. towing capacity on Rails **	kg	3.200

Réf.no.	Description	U.M.	Valeur
3.28	Max.slope with load *	%	15
3.36	Max towing force at hook **	N	600
3.39	Stopping distance in deceleration (without load)	m	0,9
3.42	* Load capacity is subject to kind of slope , kind of floor and operating time		
3.44	** 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		

## 4. Drive controls

Réf.no.	Description	U.M.	Valeur
4.01	Type of control		Tillerhead
4.02	Type of start control		Butterfly lever
4.04	Speed control		Slow/fast switch assembled on the tillerhead (optional)

## 5. Standard battery specifications

Réf.no.	Description	U.M.	Valeur
5.01	Batteries		2
5.02	Batteries type		Traction AGM batteries
5.03	Battery voltage	V	12
5.04	Nominal Capacity 5 h	Ah	16
5.05	Nominal Capacity 20 h	Ah	22
5.06	Weight of each battery	kg	6
5.10	Weight of battery pack	kg	17

## 5. Optional battery specifications

Réf.no.	Description	U.M.	Valeur
5.11	Batteries pcs		2
5.12	Batteries type		Traction AGM batteries
5.13	Battery voltage	V	12
5.14	Nominal Capacity 5/h	Ah	28
5.15	Nominal Capacity 20/h	Ah	36
5.16	Weight of each battery	kg	10
5.20	Weight of battery pack	kg	23

## 5. Optional battery specifications

Réf.no.	Description	U.M.	Valeur
5.21	Batteries		1
5.22	Batteries type		Traction - Lithium
5.23	Battery voltage	V	24
5.24	Nominal Capacity k5	Ah	40
5.26	Weight of each battery	kg	12
5.30	Weight of battery pack	kg	13

## 6. Available chargers

Réf.no.	Description	U.M.	Valeur
6.40	Standard voltage	V	220/240
6.41	Multitension	V	110/240
6.42	Plug		In use in the country of destination

## 6. Technical data of standard charger

Réf.no.	Description	U.M.	Valeur
6.01	Battery charger		External - high frequency
6.02	Input voltage	V	110 / 240
6.03	Input Frequency	Hz	50-60
6.05	Battery charger capacity	Ah	4
6.06	Power consumption during complete charge cycle	kWh	1
6.07	Operating temperature	°C	-20 / +40
6.08	Operation display		Led
6.09	Input fuse	A	5
6.10	Cooling system		Ventilation cooling
6.11	IP degrees of protection		IP20
6.12.1	Width	mm	95
6.12.2	Length	mm	185
6.12.3	Height	mm	55

## 7. Drive motor

Réf.no.	Description	U.M.	Valeur
7.03	Engine		Electric
7.04	Electricity		Direct current
7.05	Engine voltage	V	24
7.10	Rating (S2 - 10')	kW	0,30
7.15	Maximum peak power	kW	1,60

## 8. Generic technical data

Réf.no.	Description	U.M.	Valeur
8.01	Transmission system		Mechanical
8.02	Transmission lubrication		In oil bath
8.06	Service brake		Electronic
8.08	Parking brake		Electro-Mechanical

## 9. Weight

Réf.no.	Description	U.M.	Valeur
9.01	Weight without batteries	kg	40
9.15	Weight incl. 16/22A AGM batteries	kg	57

## 10. Dimensions

Réf.no.	Description	U.M.	Valeur
10.01	Length	mm	933
10.02	Width	mm	439
10.03	Height of start control	mm	978
10.14	Wheelbase	mm	308
10.15	Turning circle	mm	900
10.50	**For further details please click on technical draws		

## 11. Standard wheels

Réf.no.	Description	U.M.	Valeur
11.01	Drive wheels		2
11.03	Pivoting wheels no.		2
11.05	Tyres		Pneumatic
11.07	Drive wheels type		Turf tires
11.10	Pivoting wheels type		Slick non -marking
11.13	Drive tyres size		3.00-4"
11.16	Pivoting wheel size		Ø 80 X 2
11.25	Inflation pressure	bar	1.2

## 11. Optional wheels

Réf.no.	Description	U.M.	Valeur
11.42	Tyres		Super-elastic non-marking wheel

<b>Réf.no.</b>	<b>Description</b>	<b>U.M.</b>	<b>Valeur</b>
11.43	Kind of tyres		Turf tyres
11.44	Drive tyres size		3.00-4"