



Z178.720-5===

Technical drawing

<p><b>Zallys</b></p>	<p>TABLE: <b>Z178.720</b></p>	<p>M12</p>	<p>Unit: mm [inch]</p>

## Technical data

### 1. Characteristics

Réf.no.	Description	U.M.	Valeur
1.01	Model number		Z178.720-5===
1.02	Model name		M12
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	0,50

### 1. Frame characteristics

Réf.no.	Description	U.M.	Valeur
1.80	Frame made of		Steel
1.81	Basic process		Sandblasting
1.82	Anti-Corrosion Treatment (on customer demand only)		Zinc primer
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	5,0
3.04	Max. backward speed	km/h	5,0
3.17	Max. towing capacity on wheels **	kg	1.500
3.28	Max.slope with load *	%	15

Réf.no.	Description	U.M.	Valeur
3.36	Max towing force at hook **	N	500
3.39	Stopping distance in deceleration (without load)	m	1,3
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		5 speed button assembled on the tiller head

## 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	28
5.05	Nominal Capacity 20 h	Ah	36
5.06	Weight of each battery	kg	10
5.10	Weight of battery pack	kg	23

## 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	35
5.15	Nominal Capacity 20/h	Ah	45
5.16	Weight of each battery	kg	14
5.20	Weight of battery pack	kg	37

## 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	230
6.03	Input Frequency	Hz	50-60
6.04	battery charger voltage type		Monophase
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
7.02	Motor code no.		M055.701V
7.03	Engine		Electric
7.04	Electricity		Direct current
7.05	Engine voltage	V	24
7.06	Rating (S2 - 5')	kW	0,4

Réf.no.	Description	U.M.	Valeur
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
8.03	Gear reduction		1:26
8.04	Kind of oil		80W-90
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	50
9.04	Weight incl. 28/36A AGM batteries	kg	73
9.05	Weight incl. 37/45A AGM batteries	kg	87
9.16	Weight incl. 40A Lithium battery	kg	80

## 10. Dimensions

Réf.no.	Description	U.M.	Valeur
10.01	Length	mm	700
10.02	Width	mm	535
10.03	Height of start control	mm	1.256
10.14	Wheelbase	mm	341
10.15	Turning circle	m	0,90
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.		1
11.05	Tyres		Pneumatic
11.07	Drive wheels type		Turf tires
11.11	Pivoting wheel type		Smooth non-marking
11.13	Drive tyres size		13-5.00-6"
11.17	Pivoting wheel size		Ø 125 X 40
11.25	Inflation pressure	bar	1.2

## 11. Optional wheels

<b>Réf.no.</b>	<b>Description</b>	<b>U.M.</b>	<b>Valeur</b>
11.42	Tyres		Super-elastic non-marking wheel
11.43	Kind of tyres		Turf tyres
11.44	Drive tyres size		4.00-4"