



Z178.720-3===

Technical drawing



Zollys	TABLE: Z178.720	M12	Unit: mm [inch]
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Technical data

1. Characteristics

Réf.no.	Description	U.M.	Valeur
1.01	Model number		Z178.720-3===
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	0,40

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 ²	<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

Réf.no.	Description	U.M.	Valeur
3.28	Max.slope with load *	%	15
3.36	Max towing force at hook **	N	900
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

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

Réf.no.	Description	U.M.	Valeur
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
6.05	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
7.15	Maximum peak power	kW	1,60

8. 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. 24/30A AGM batteries	kg	80
9.05	Weight incl. 37/45A AGM batteries	kg	87
9.06	Weight incl. 70/85A AGM batteries	kg	115

10. Dimensions

Réf.no.	Description	U.M.	Valeur
10.01	Length	mm	700,00
10.02	Width	mm	535,00
10.03	Height of start control	mm	1.256,00
10.14	Wheelbase	mm	341,00
10.15	Turning circle	mm	900,00
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

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