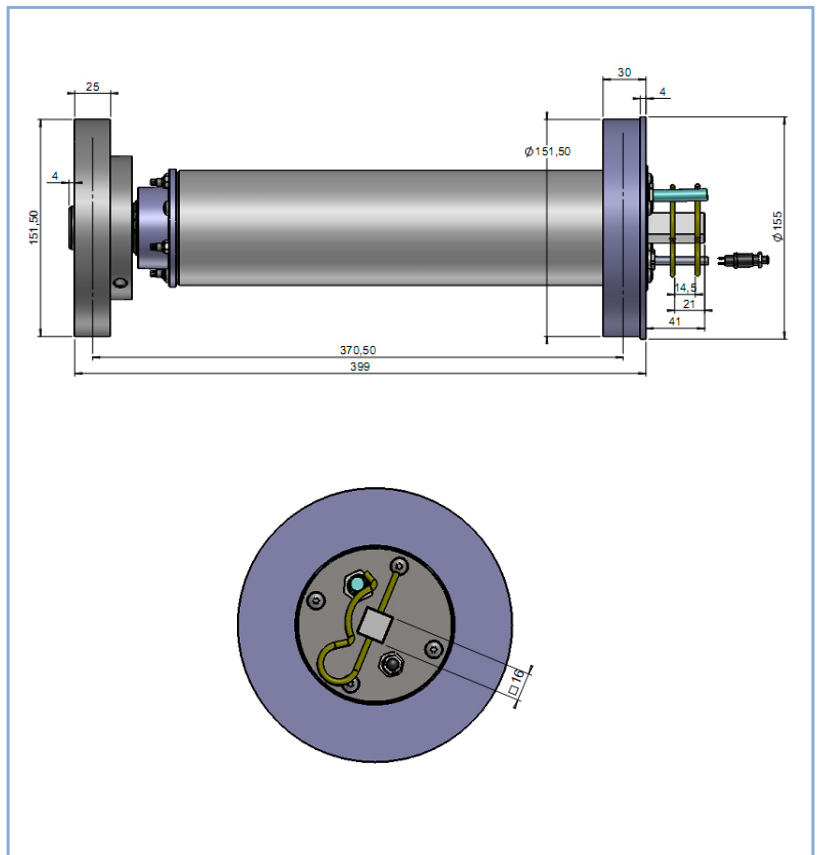


12 volts
DC



ABOVE GROUND MOTOR 12 VOLTS M.H.2 LIGHT 80

MOTOR DIMENSIONS



• A HIGH-PERFORMANCE SOLUTION :

- 12V SOLUTION THAT ALLOWS A SOLAR CONNECTION WITH JUST ONE BATTERY
- QUIET MOTOR WITH HIGH EFFICIENCY

• AUTOMATIC OPENING MANAGEMENT OF THE POOL :

EASY PROGRAMMING OF THE COVER END POSITIONS & RUNNING OF ONE OR TWO AUTOMATIC WAYS

TECHNICAL FEATURES :

- MOTOR TORQUE : 80 NM MAX
- MOTOR SUPPLY : 12 VOLTS DC
- IPx5
- ELECTRONIC MANAGEMENT OF THE COVER END POSITION

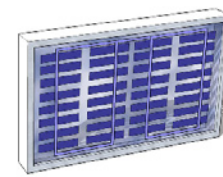
HOW TO INITIALIZE THE SYSTEM ? :

1. Press on the init button for more than 2 seconds
2. Bring the cover in open position (the open position is recognized when the key is turned on the CLOSE position)
3. Bring the cover in close position (the close position is recognized when the key is turned on the OPEN position)
4. Close again the cover and it is ready to use

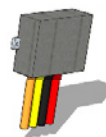
SOLAR ELECTRIC POWER SUPPLY IN OPTION



Battery 7,2 A.h



Solar panel



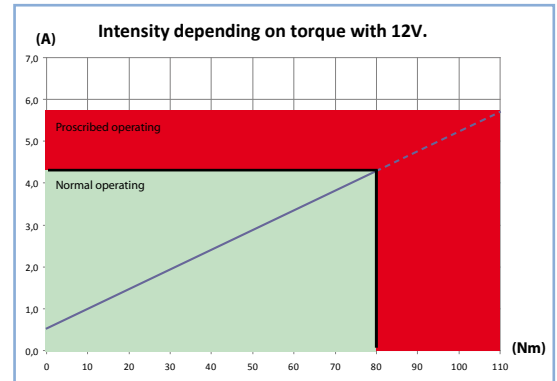
Charger



CHARACTERISTICS OF THE MOTOR

FEATURES		DATA
Gear box		1/572
Input power		12 volts (-15%, +20%)
Consumption maximal torque		5,2 A (±10%)
Service class		S3 (6 min of max load per hour)
IP		IPX5
Torque	Maximum	80 Nm
	Rupture treshold	200 Nm
	Reversibility treshold	60Nm (in axis)
Speed (RPM)	Empty	3,7 RPM max (±10%)
	Max torque	2,8 RPM (±10%)
End shaft		square 16 mm
Material	Plastic parts	Stiff PVC, POM
	Tube	Colourless anodized aluminium
	Screws	Zincod steel
	Shaft and external flange	Phosphate steel or colourless anodized aluminium
	Cable	PVC insulated cables
Cable gland		Brass
Position limit switch sensor		Electronic (in option)
Cable	Dimensions	Ø7 mm ±0,2mm
	Decomposition	2x1,5mm ² + 2x0,75mm ² + button
Acceptable load		275 kg
Using conditions	Frequency	5 month per year
	Number of cycle per day	3
	Working temperature	+10°C to +40°C
	Stirage temperature	-10°C to +50°C
Control of the position limit switch sensor		Teaching sur moteurur

Laboratory test :
Salty fog during 96hr



PRODUCT IDENTIFICATION

Designation / SIREM product code

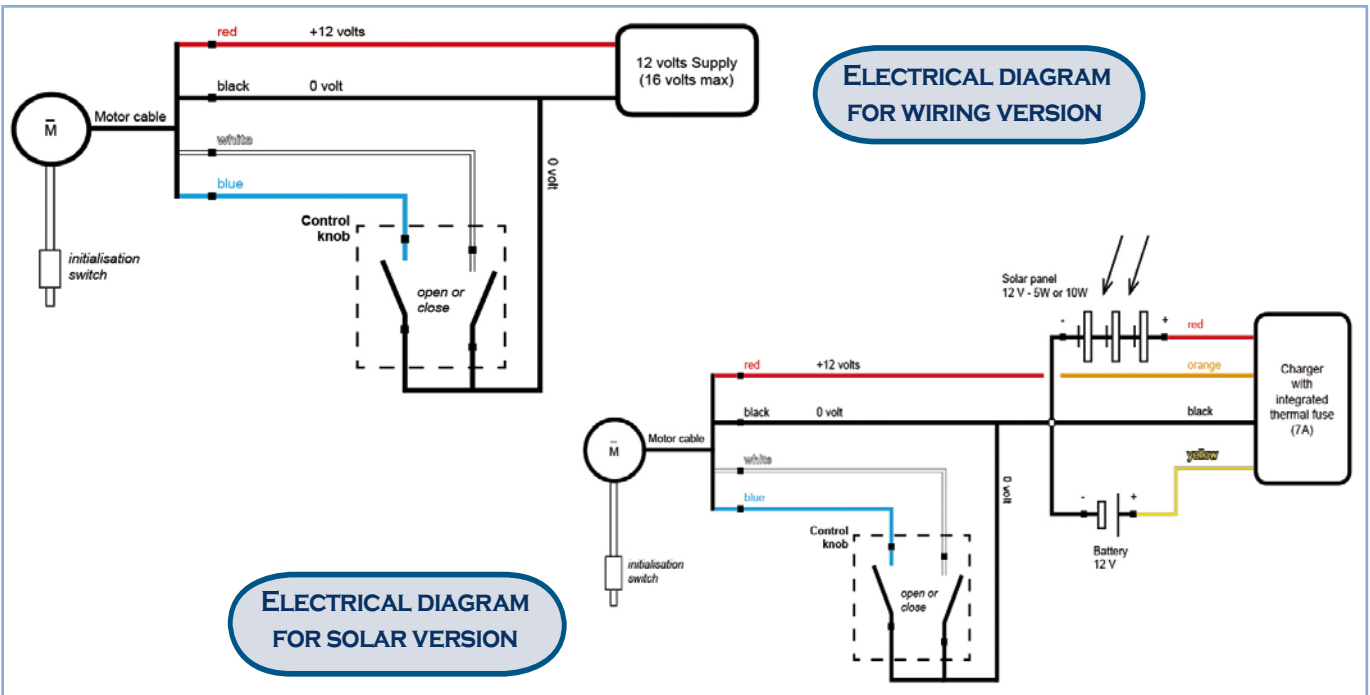
week/year of fabrication/ order number/delivery note = serial nbr

xxxxxxxXXXXXXXXXXXX

Type **MH2 09.4391.xxxx** **ss-aa-abcdef**

Tension : 12 Vdc	Pmax : 30 W	IPX5.
n=1/572	Cmax : 150 Nm	
N : 1.9 t/min	Imax : 9.3 A	
Nvide : 3.7 t/min	Ivide : 1.5 A ± 20%	
Code log : 56.1007.xxxx, Ver. : x.xx	CE	

WIRING DIAGRAM



The product complies with NF EN 60335-1 and NF EN 61000-6-3. Its integration in a complete motorized swimming pool cover complies with the French standard NFP 90308. Manufacturer recommendation : complies with the standard NFC 15100.