

Pump Pump

MINI DOLPHIN MINI DOLPHIN

Type:M33,M50,M80,M100

MICRO DELFINO - M25

User manual

Use: Only

for water circulation in swimming pools.

Installation instructions:

For practical reasons, install the pump as close to the pool as possible, use a straight and short suction pipe and ensure that the suction hose is evenly sloped to prevent

avoid long suction times the pump should

be placed on a flat and solid base that is high enough so that the pump motor is not

flooded with groundwater do not mount the electrical control device directly on the

pump install the collecting filter and the pump in a protected place and ensure

free ventilation and free access for maintenance install the pump with the pipe horizontal and the

transparent cover

facing upwards so that the cover can be removed to clean the filter basket use hose parts of appropriate length and diameter and use a minimum

of angle bends, attach the suction and discharge hoses so that there is no pulling effect

on the pump, prevent couplings from being pulled and only use sealants suitable for plastics it

is essential that the suction pipe does not contain any leaks, the suction hose should have

at least the same diameter

as the pump

suction nozzle

Electrical connection:

The pump must be connected by a qualified electrician. The supply must be equipped with a residual current device with a tripping safety current of 30 mA. A motor protection

device must be included in the installation and must be set to the rated values of the motor.

Single-phase: 0.25 kW/230V - 2.8 A 0.37 kW/
230V - 3.2 A 0.55 kW/230V
- 3.9 A 0.75 kW/230V - 5.0
A

The supply voltage must correspond to the operating voltage stated on the type plate with a tolerance of +/- 5%.

The pump motor must be grounded.

If the connection is made incorrectly, the warranty claim is void.

Operation:

Before putting the pump into operation, fill the pre-filter up to the suction nozzle with water and lubricate

the lid sealing ring with silicone paste every time the lid is removed. Turn on the motor, the pump will start

to suck in. The suction time depends on the suction height and the distance from the pool.

Reasonable

The suction time is five minutes. The suction height is max. 1m.

Maintenance:

The filter basket should be removed regularly and cleaned thoroughly. The pump should should

not be started without the filter basket in place. The pump is designed for many years of trouble-free operation without maintenance. In the event of a fault, the cause lies mainly in the moving parts of the pump.

Attention! Always switch off the power supply before carrying out any maintenance.

Winter storage: Protect the

pump from frost. Remove all plugs and hoses and drain all water. Store the plugs in the filter basket.

During cold seasons, store the pump in a dry, warm room. Do not cover the pump with plastic film to prevent

harmful condensation. If the pump is firmly installed and the water cannot be drained, a solution of 40% propylene alcohol and 60% water (effective down to -46°C) provides protection against freezing. Do not

use agents such as polypropylene glycol, as they are highly toxic and can damage the pump.

Warranty:

If the method of use specified in this documentation is followed, we guarantee that the product will have the properties specified by the relevant technical standards and technical data in the

documentation throughout the warranty period, for a period of 12 months from the date of acceptance by the buyer.

If a defect occurs during the warranty period that was not caused by the user or an unavoidable

event (e.g. a natural disaster), the device will be repaired free of charge.

The warranty will not be recognized in the following cases:

more than 12 months have passed from the time of receipt to the time of the complaint; the conditions specified in this documentation were not observed during operation; the device was forcibly mechanically damaged; modifications, repairs or unauthorized manipulation were performed on the product. Claim the warranty at the seller.

Technical data:

maximum system pressure:	2 bar
maximum temperature:	350C
voltage:	230V
	I P44
protection:	
insulation class:	F
	8.6kg
	9.5kg
	10.6kg
weight: type 031 051 071 101 noise level:	11.5kg lower than 70 dB

MICRO DELFINO M25

Position on Order drawing number	Name
1	3570614 Motor rotor Micro 25
2	4541210 pump bearing 4541110 fan
3	bearing
4	4520010 spring washer bearing 4623341
5	rear engine face
6	4700605 Micro 25 motor stator
7	2510642 flange 4640610
8	fan
9	4220504 tightening screws 4560910
10	fan cover 4190602 grounding
11	screw
12	4590110 terminal block
13	4210430 nut M4
14	4190302 screw for fixing the terminal block
15	4530810 terminal block cover
16	4690110 cable clamp 4193901
17	clamp screw 4550010 Micro 25
18	capacitor 4190302 screw for fixing the
19	cover 4650410 cable protector 4681310
20	cable gland 4610410 terminal block
21	cover
22	
23	4193901 cover screw
24	4040110 motor support - stem 4070410
25	motor support - support 4055010 seal under
32	the hidden terminal box seal under the terminal
38	box cover 4161210 sealing clip
44	4161410 water screen 4200650
50	washer 6mm stainless steel
53	3111810 turbine Micro 25
55	
58	4030710 diffuser
60	4054810 diffuser gasket
61	4054910 pump body gasket 4010410
62	pump body 4190653 screw
63	M6x25 stainless steel 4140710 pre-
64	filter basket 4054710 pre-filter
65	cover gasket 4080410 pre-filter cover
66	3060210 pre-filter cover screw
67	4050510 drain screw gasket 4180111
68	drain screw
69	

72+73	4170210 transport plug 77
	4230130 cover bolt nut
78	4150310 pump head sealing
	segment 74+75+76 complete
80	2341510

MINI DELFINO M 30,50,80,100

Position	
on Order	Name
drawing number	
1	3570710 Mini 33 M motor rotor
	3570711 motor rotor Mini 50 M
	3570712 motor rotor Mini 80 M
	3570713 motor rotor Mini 100 M
2+3	4541210 bearing
4	4520110 spring washer bearing 4620141
5	rear engine face
6	4700701 Mini 33 M motor stator
	4700702 Mini 50 M motor stator
	4700703 Mini 80 M motor stator
	4700704 Mini 100 M motor stator
7	2510441 motor flange 4640710
8	fan
9	4220505 tightening screw
10	3560110 fan cover 4190302
11	grounding screw
12	4590110 terminal block
13	4210430 nut M4 4190302
14	screw for fixing the terminal block 4530110
15	terminal block cover 4690110
16	cable clamp 4193901 clamp screw
17	
18	CON
	condenser Mini 33 m
	Z CON 14MF capacitor Mini 50 m
	Z CON 20MF capacitor Mini 80 m
	Z CON 20MF capacitor Mini 100 m
19	4190302 cover fixing screw 4650310 cable
20	protector 4681110 cable gland
21	4610110 terminal box cover lid
22	4193901 cover screw
23	
24	4040110 engine support - stem 4070410
25	engine support - support

- 32 4055010 cover gasket 4050410 lid
38 gasket
41 screw cap
44 4161210 sealing clip 4161410
50 water shield 4200650 washer
53 8mm stainless steel 3111610 turbine
55 Mini 33
3111710 turbine Mini 50
3110811 turbine Mini 80
3110810 turbine Mini 100
58 4030210 diffuser
60 4050610 diffuser seal 4050710
61 pump body seal 3010510 pump body
62 4190806 screw M8x25
63 stainless steel
64 4140110 pre-filter basket
- 65 4050810 pre-filter cover gasket 4080210
66 pre-filter cover 3060210 cover
67 screw 4050510 drain screw
68 gasket 4180111 drain screw 72+73 4170210
69 transport plug 77
- 4230130 cover bolt nut
78 4150210 pump head
sealing segment 74+75+76
80 2341510 complete

