

1 General

1.1 Application areas

ATTENTION The maximum allowable temperature of the medium pumped is 40 °C

The submersible waste-water pumps of the MF/Piranha series are reliable quality products designed for the following applications:

- Pumping of clear water
- For blockage-free pumping of liquids which have a high proportion of solid or fibrous matter present.



These pumps may not be used for the pumping of flammable or explosive fluids.

ATTENTION Before using aggressive fluids check that the materials used in the pump are resistant to the particular fluid being pumped.

1.2 Technical Data

Maximum noise level ≤ 70 dB. This may be exceeded in certain circumstances

1.2.1 Nameplate

We recommend that you record the data from the original nameplate on the nameplate illustration below and maintain it, together with your purchase receipt, as a proof for subsequent use.

Always state the pump type, item no. and serial no. in the field "Nr" in all Communications

Legend	
Typ	Pump type
Nr./SN	Item No./Serial No.
xx/xxxx	Production date (Week/Year)
UN	Rated Voltage V
IN	Rated Current A
	Frequency Hz
P1N	Rated Input Power kW
n	Speed min-1
Qmax	Max. Flow m ³ /h
Hmax	Max. Head m
♦♦	Water pressure tight
IP 68	Protection type
▽	Max submersible depth m

	Cardo Production Wexford Ltd. Wexford, Ireland www.cardo.com	
Typ		
Nr	SN	xx/xxxx
U	V	Ph
	A	Hz
P1	kW	
Qmax	m ³ /h	Hmax
		1/min
DIN EN12050-2	♦♦	IP68
		▽ 10m

Figure 1 Nameplate Standard Version

2 Safety

The general and specific health and safety hints are described in detail in the separate booklet Safety Hints. If anything is not clear or you have any questions as to safety make certain to contact the manufacturer ABS.

3 Transport



During transport the unit should not be dropped or thrown.



The unit should never be raised or lowered by the Power cable.

The unit is fitted with a lifting device to which a chain and shackle may be attached for transport purposes.



Any hoist used must be adequately dimensioned for the weight of the unit.

All relevant safety regulators as well as general good technical practice must be complied with.