

PRINCIPAL APPLICATIONS

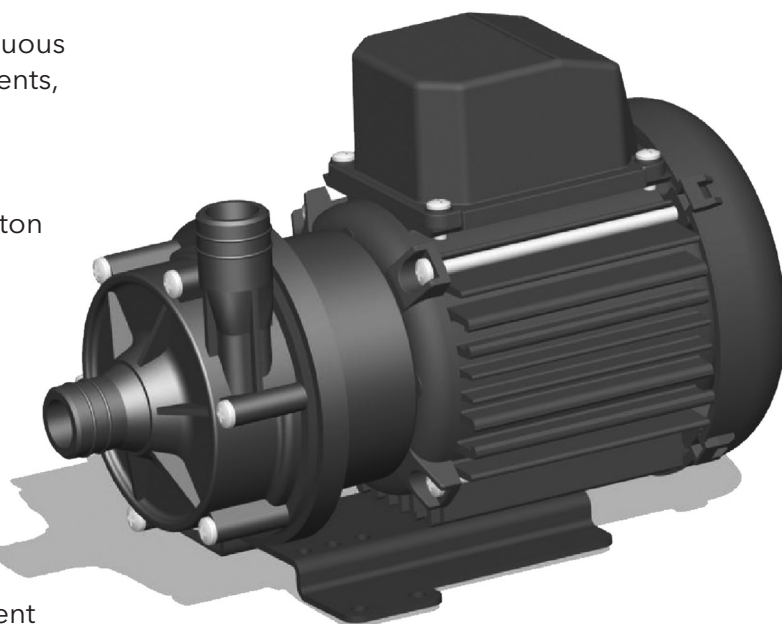
For applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, alkalis, solvents, sterile and chilled fluids.

WETTED MATERIALS

- Standard EPDM O Ring, optional Nitrile or Viton
- PP encapsulated magnet, PVDF optional
- PP pump housing, PPS & PVDF optional
- PPS spindle housing, PVDF optional
- Alumina ceramic spindle
- All PPS versions available for high temperature/pressure applications

FEATURES

- Manufactured in chemical resistant thermoplastics – entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimising heat transfer to the pumped fluid
- IPX5 standard motor housing.
- Deep groove ball bearings



OPTIONS

NEMP50/7

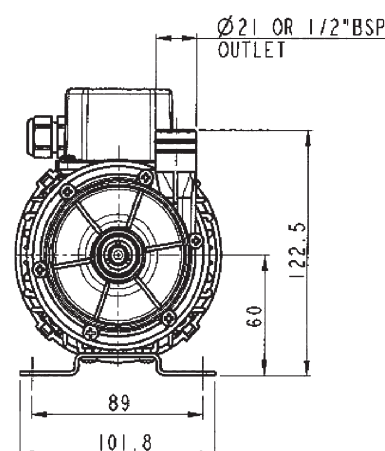
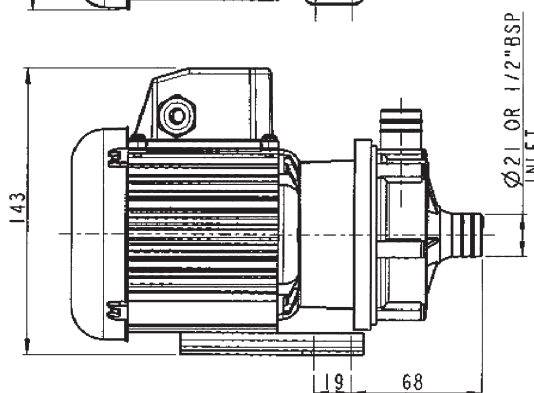
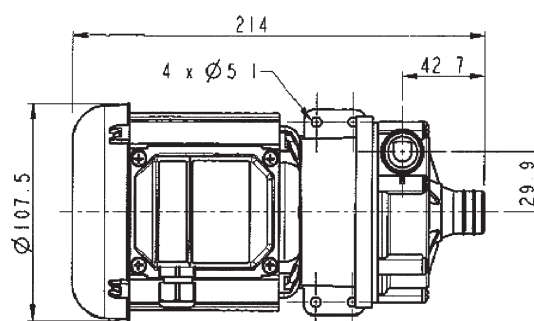
230V 1Ph 50Hz	Plain 21 mm
230V 1Ph 50Hz	1/2" BSP Male
230V 1Ph 60Hz	Plain 21 mm
230V 1Ph 60Hz	1/2" BSP Male

Port Details

NEMP50/7

110V 1Ph 50Hz	Plain 21 mm
110V 1Ph 50Hz	1/2" BSP Male
110V 1Ph 60Hz	Plain 21 mm
110V 1Ph 60Hz	1/2" BSP Male

Port Details



DIMENSIONS

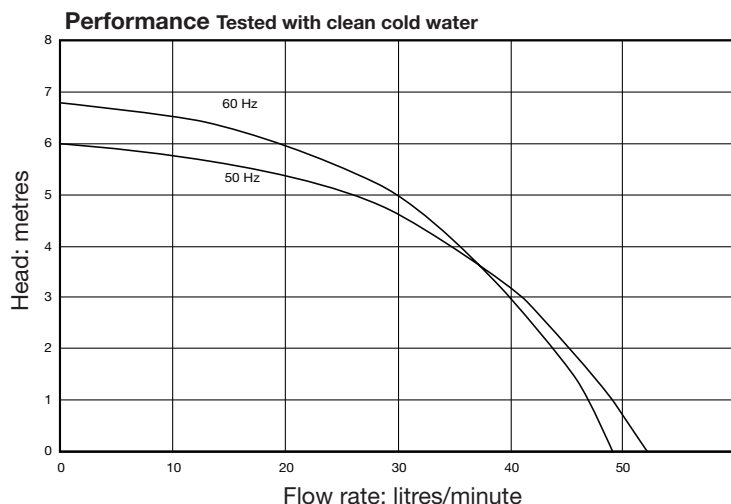
Drawings not to scale
Dimensions in millimetres

SPECIFICATION

Model	Overall height (mm)	Overall length (mm)	Overall width (mm)	Weight (kg)	Max body pressure (bar)	Run-out flow rate (l/min)	Closed valve head (m)	Temp range (degC)	*Max specific gravity	Motor output (watts)
NEMP50/7	143	214	107	3.0	1.4	50 Hz 50	6.0	-20 to +85	1.2	60
						60 Hz 52	6.8			

*Assuming maximum viscosity of 30cp.

PERFORMANCE



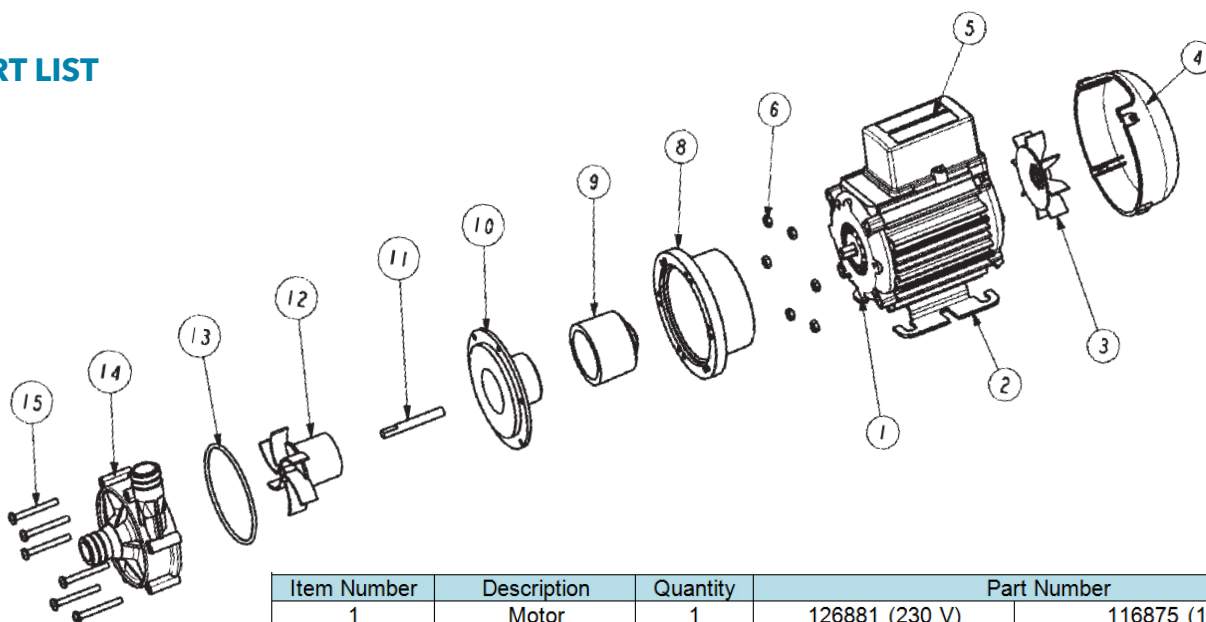
NOTE: These magnetically coupled pumps are designed for use with clean fluids.

Solids will cause jamming. Abrasives will reduce pump life and invalidate the warranty.

NEMP pumps are not self priming and are not designed to run dry.

The company reserves the right to change specifications.

PART LIST



Item Number	Description	Quantity	Part Number			
1	Motor	1	126881 (230 V)		116875 (110V)	
2	Mounting Foot	1	036329			
3	Fan	1	046033			
4	Fan Cowl	1	036085			
5	Terminal Box	1	036085			
6	Nut	6	032105			
8	Adaptor	1	036324			
9	Drive Magnet	1	006287			
10	Spindle Housing	1	016311			
11	Spindle	1	006244			
12	Impeller	1	016355 (50Hz)		026215 (60Hz)	
13	O ring	1	013290 (EPDM)	021056 (Viton)	003398 (Nitrile)	
14	Pump Body	1	016358 (plain port PP)	016366 plain port PPS	016360 (threaded port PP)	016368 threaded port PPS)
15	Screw	6	022115			

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Warranty: All products of the company are sold, and all services of the company are offered subject to the company's warranty and terms of sale, copies of which will be furnished upon request. Details correct at time of printing. We reserve the right to change specifications without prior notice.

Mag Drive Centrifugal

Magnetically Driven Pumps handle products where leak free transfer is a must, where high reliability is paramount and purity of the pumped medium must be maintained. The operation is identical to any centrifugal pump except that the need for the shaft seal is eliminated. This is accomplished by driving the impeller with a magnetic coupling rather than directly with the motor shaft. An excellent pump for chemical transfer applications.

Low Maintenance: Few moving parts mean that wear due to operation is minimal.

No Shaft Seal: Removes the leak path to and leak path from the medium being pumped.

Easy Installation: Compact size for flow rate.



HOW DO THEY WORK?

1. The rotating impeller gives velocity energy to the liquid moving it to the periphery of the volute casing and towards the discharge port.
2. The volute casing discharge arrangement converts velocity energy into static pressure.
3. Centrifugal pumps must be either initially primed or mounted in such a way that liquid is permanently available at the inlet port (eg. submersible pumps).

