



005 Size Flexible Impeller AC Motor Pump Unit

12/02

50005 Series

Bronze Flexible Impeller Pump

Features

- Self primes from dry up to 1.5 metres
- Flows up to 4.5 litres per minute
- Pressure up to 2 bar
- Handles hard or soft solids
- Tolerates abrasive wear
- Non pulsating flow
- Handles viscosities up to 500 centiPoise
- Uses standard IEC motor



Typical Applications

- **Industrial** : Industrial filling systems, utility shop pump, transfer systems, recharge water softeners, sump emptying, cooling tower circulation, line cleaning, heat exchangers, air scrubbers, laboratory circulation, oil changing.
- **Plumbing** : Empty clogged drains, sumps, sinks & tubs, pump out water closets.
- **Contractors** : Cement mixing, wash down equipment, fill & empty tanks, empty basements.
- **Agricultural** : Fill water tanks, flush animal pens, plumbing water for livestock.
- **Food, Beverage & Dairy** : Vending Machines, refrigeration condensate pump out, wash down equipment & floor cleaning.

Specifications

Seal : Nitrile lip seal

Pump Head : Bronze

End Cover : Brass

Bearings : Uses motor bearings

Shafts : Stainless steel shaft extension

Ports : 12.5mm (1/2") Bore hose connections

Motor Adaptor : Polypropylene

Weight : 6.2kg

Model Options

Impeller Option				Neoprene	Nitrile
Temperature				4°C to 80°C	0°C to 90°C
Poles	Volts	Amps	RPM		
4	230	2.13	1450	50005-8411	50005-8413
Pump head only				50005-00-8411	50005-00-8413

Motors are single phase, 180 Watts, 50 Hertz, AC. Face & Foot mounting B3-B14

Enclosure IP55, frame size 63 all IEC 72 standard. Fitted with manual reset overload.

Note: It is not recommended to start the pump at extreme ends of the temperature range, impeller damage may occur.

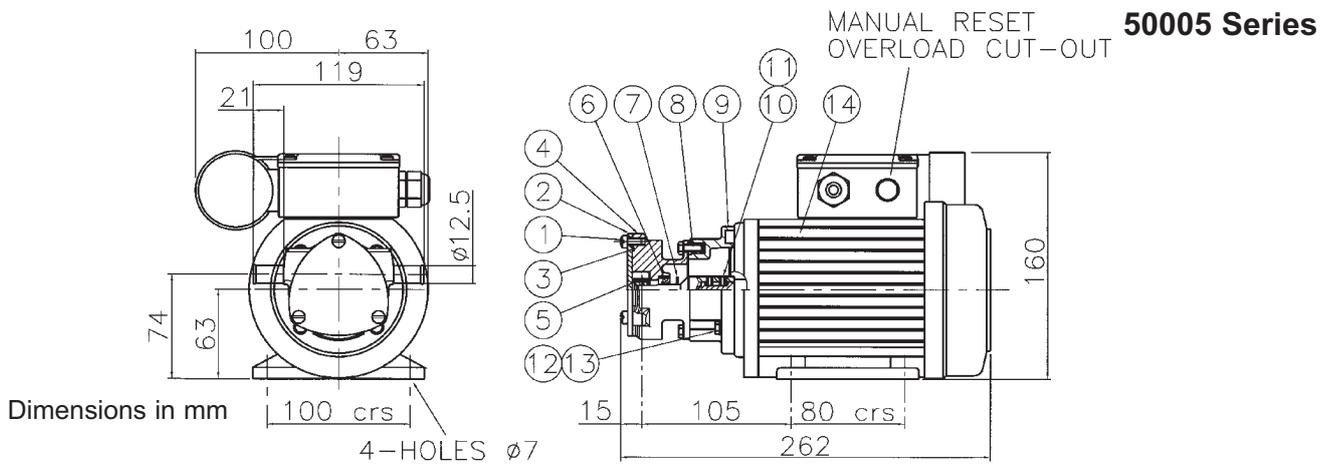
For installation, operating, maintenance and safety instructions refer to form 43001-0543

⚠ WARNING Explosion hazard. Do not pump gasoline, solvents, thinners or other flammable liquids. To do so can cause an explosion resulting in injury or death.



⚠ WARNING Fire hazard. Wiring must comply with applicable electrical standards and include a properly sized fuse or circuit breaker. Improper wiring can cause a fire resulting in injury or death.

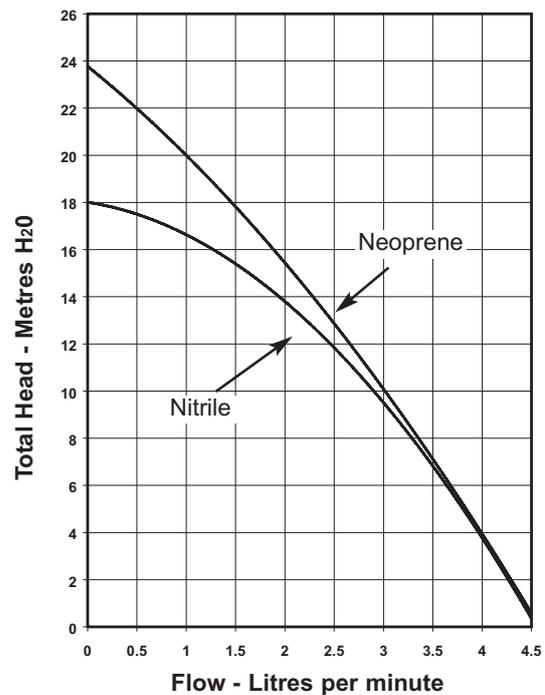




Parts List

Key	Description	Qty	Part Number
1	Screw*	3	SP1004-09
2	Endcover	1	9328-0200
3	O-Ring*	1	X5251-049
4	Body	1	23154-2000
5	Impeller Neoprene*	1	1414-0001
	Impeller Nitrile*	1	1414-0003
6	Lip Seal* (Neoprene)	1	SP2701-52
	Lip Seal* (Nitrile)	1	93000-6100
7	Slinger	1	6342
8	Screw - M5 x 8	2	X3001-147F
9	Adaptor	1	50168-0000
10/11	Shaft Extension Kit	1	50167-0000
12	Screw - M5 x 16	4	X3001-153F
13	Washer	4	X3080-081F
14	Motor 4 Pole 230V	1	SP8021-0260
Parts marked * contained in service kit			
Service Kit	Neoprene	1	SK374-0001
	Nitrile	1	SK374-0203

Performance



Note : Performance shown is for a new pump, pumping water at 20°C, performance may vary by up to 15%. Consult factory for performance of alternative impeller compounds.

xylem
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