

# 080 Size Utility Pump - AC Flexible Impeller MPU

2/99

### **53080 Series**

### **Bronze Flexible Impeller Utility Pump**

### **Features**

- Self prime from dry up to 3 metres
- Flows up to 80 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
- Dry running capability for 30 minutes, post operation

### Typical Applications

- · Sump emptying and cellar drainage
- · Sewage tank emptying
- · Product transfer
- Mains boosting
- Shallow well pumping
- · Water sampling
- Washdown systems
- · Silo pump-out on farms
- · Dockside pump-out of toilets



# **Specifications**

Seal: Carbon/Ceramic mechanical seal, Nitrile elastomers

Pump Head: Bronze with integral fluid reservoir to protect pump against dry running for up to 30 minutes, post operational

End Cover: Brass

Bearings: Uses motor bearings

Shaft: Stainless steel, shaft extension

Ports: 11/2" BSP internal thread

Cable: Fitted with 2m long supply cable

Weight: 15kg.

## Model Options

Impeller option				Neoprene	Nitrile
Temperature range				4°C to 80°C	-5°C to 90°C
Volts	Amps	Hertz	RPM		
230	4.0	50	1450	53080-2001	53080-2003
230					53080-2063 (Marine Use*)
100/115	8.0	50/60	1450/1740	53080-2101	53080-2103
Pump head only				53081-2001	53081-2003

<sup>\*</sup> Uses a modified Cam without port fingers

All motors are 4 Pole, single phase, 550 Watt, AC. Face & Foot mounting B3-B14.

Enclosure IP55, frame size 80 all IEC 72 standard. Fitted with manual reset thermal 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.

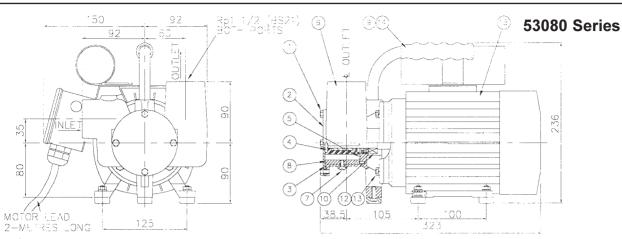


ARNING Fire hazard. Wiring must comply with applicable electrical standards and include a properly sized fuse or circuit breaker. Improper wiring can cause a fire resulting in injury or death



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Dimensions in mm

## Parts List

Key	Description		Part No.	
1	Screw*	4	X3001-176F	
2	Endcover	1	53085-0000	
3	O-Ring*	1	See below	
4	Impeller*		See below	
5	Wearplate		4156	
6	Body	1	53084-2000	
7	Screw Cam	1	X3004-174F	
8	Cam Standard	1	53082-0000	
	Marine	1	53082-0060	
9	Handle	1	53083-0000	
10	Seal assembly*	1	22626-6000	
12	Screw Body	4	X3001-180C	
13	Washers	4	X3081-091C	
14	Handle grip	1	X5255-005	
4.5	230V/50Hz	1	SP8012-0243	
15	Motor 100/115V/50/60Hz	1		SP8012-0257
Moto	or Spares			
Cap	acitor	1	X5501-052	X5501-050
Fan	Cowl	1	X5501-046	X5501-046
Fan			X5501-048	X5501-048
Foot			X5501-041	X5501-041
Thermal Switch			X5501-044	X5501-064
Terminal Box			X5501-058	X5501-059
Scre	ew Terminal box	4	X5501-039	X5501-039

#### Alternative compounds, spare parts & service kit numbers

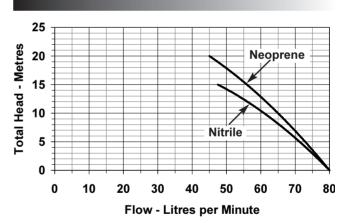
	Key	Description	Neoprene	EPDM	Nitrile	Viton®
	3	O-ring	X4020-269A	X4020-269A	X4020-269A	X4020-269B
	4	Impeller	14282-0001	8981-0002	14282-0003	14282-0004
		Service kit	SK411-0001		SK411-0003	N/A

Service kit contains parts marked \* above

Models with a Neoprene or an EPDM Impeller, use Nitrile Lip Seal and O-rings

Viton is a registered trademark of DuPont Dow Elastomers

### 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.

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