

BD - 05TF Series - Micro Gear Pump

Model:BD-05TFG1.8LB

Performance Data	
Model	BD-05TFG1.8LB
Voltage	220V AC
Drive Method	Magnetic Drive
Maximum Liquid Flow Rate	1.8 L/min (Displacement × Speed)
Displacement	0.65 mL/rev
Maximum Outlet Pressure	5bar
Maximum Vacuum	4kPa
Motor Data	
Motor type	AC Induction Motor (ACIM)
Speed Range	500 – 2850rpm
Power Consumption	40W
Insulation Class	Class B
Physical Properties	
Allowable Liquid Viscosity	<1500 cP
Liquid Temperature Range	0–80°C
Material/Other	
Pump Body	316L Stainless Steel
Shaft	Tungsten Carbide
Gear	PEEK
Shaft Bushings	Tungsten Carbide
Seal	PTFE
Gear Thickness	9 mm
Inlet/Outlet Port	G1/8
Noise Level	65 dB
Service Life	10000 hours
Dimension	196.62*86*105mm
Weight	2.8kg



Features

- Stable and continuous liquid flow
- High-pressure delivery capability
- Precise and repeatable dosing
- Compact structure for easy integration
- Low flow pulsation and smooth operation

Drawing(mm)

