

BIC Series Light Duty Dewatering Pumps

Engineered for high efficiency in versatile pumping applications, the BIC Series pumps are optimized for handling clear water and light sewage. The robust hydraulic performance makes them ideal for applications such as rainwater, surface water, and groundwater pumping.

FEATURES

- **Solids Handling:** Can handle solids up to 20x10mm (0.79x0.40in)
- **EVO Version:** Double Mechanical Seal in oil chamber
- **Seal Materials:** Motor side: Carbon/Ceramic (CA/CE/FKM); Impeller side: Silicon carbide (SiC/SiC/FKM)
- **Inspectional Oil Chamber:** Easy inspection for maintenance
- **Float Switch:** Optional for 1-phase models

BENEFITS

- **High Hydraulic Performance:** Ideal for pumping rainwater, surface water, and groundwater with efficient operation
- **Long-Term Reliability:** Double mechanical seals and durable components ensure reliable service in harsh conditions
- **Ease of Maintenance:** The inspectional oil chamber allows for easy monitoring and maintenance of the pump
- **Flexible Installation:** The optional float switch provides greater flexibility for operation



Handle

Motor Cover

Motor Casing

Electric Motor

Motor Shaft & Rotor

Optional Float Switch (1-Phase)

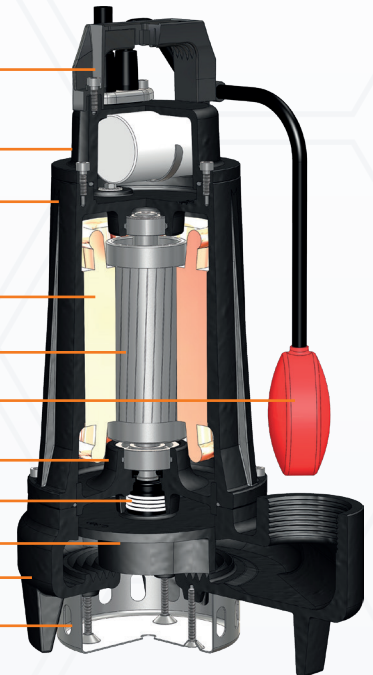
Flange Bearing Support

Seal Kit

Impeller

Pump Body

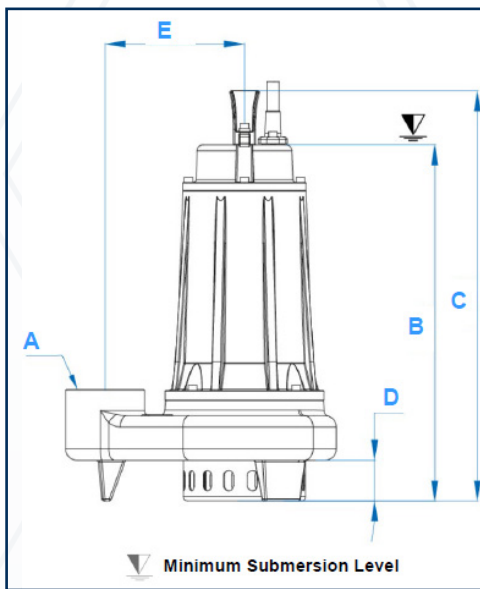
Strainer



SPECIFICATIONS

Model	Motor Rating	Voltage	Phase / Frequency	Full Load Amps	Discharge	Max. Head	Max. Flow	Max. Solids
BIC 32-2/037 M	0.38 kW 0.5 HP	115/230	1 ph - 60 Hz	7/3.6	1 1/4 in NPS	37 ft 11.3 m	48 GPM 181.7 LPM	8 mm 0.32 in
BIC 32-2/037 T		230/460	3 ph - 60 Hz	2.2/1.1				
BIC 40-2/075 M	0.75 kW 1 HP	115/230	1 ph - 60 Hz	14/7	1 1/2 in NPS	42 ft 12.8 m	74 GPM 280.1 LPM	20 mm 0.79 in
BIC 40-2/075 T		230/460	3 ph - 60 Hz	4.2/2.1				
BIC 50-2/150 M	1.49 kW 2 HP	230	1 ph - 60 Hz	14	2 in NPS	46 ft 14 m	139 GPM 526.2 LPM	20 mm 0.79 in
BIC 50-2/150 T		230/460	3 ph - 60 Hz	6.8/3.4				

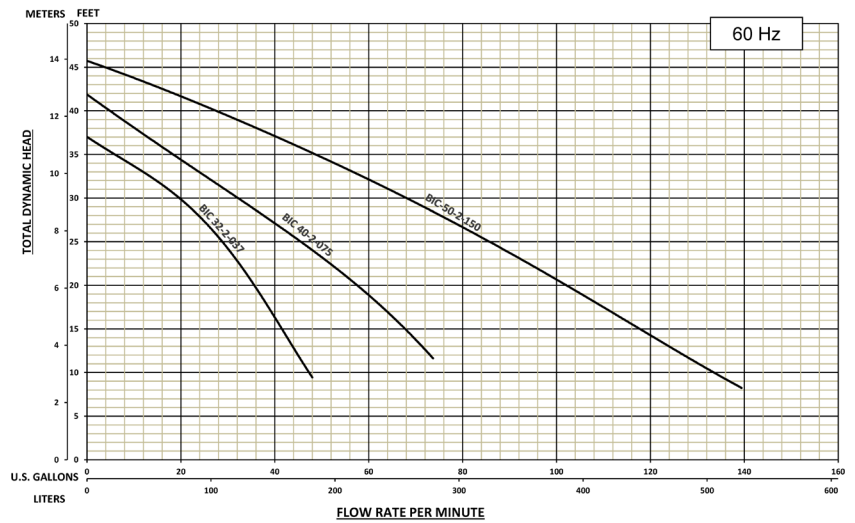
DIMENSIONS



Displayed in mm

Model	A	B	C	D	E
BIC 32-2-037	1.25" F-NPS	253	306	25	108
BIC 40-2-075	1.5" F-NPS	312	365	42	119
BIC 50-2-150	2" F-NPS	349		40	137

PERFORMANCE CURVES



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

MATERIALS

- **Cast Iron Housing & Impeller:** GG20 cast iron for robust performance
- **Silicon Carbide Seals:** Mechanical seals for durability in demanding conditions
- **Stainless Steel Components:** Components like cable glands are made from corrosion-resistant stainless steel



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