

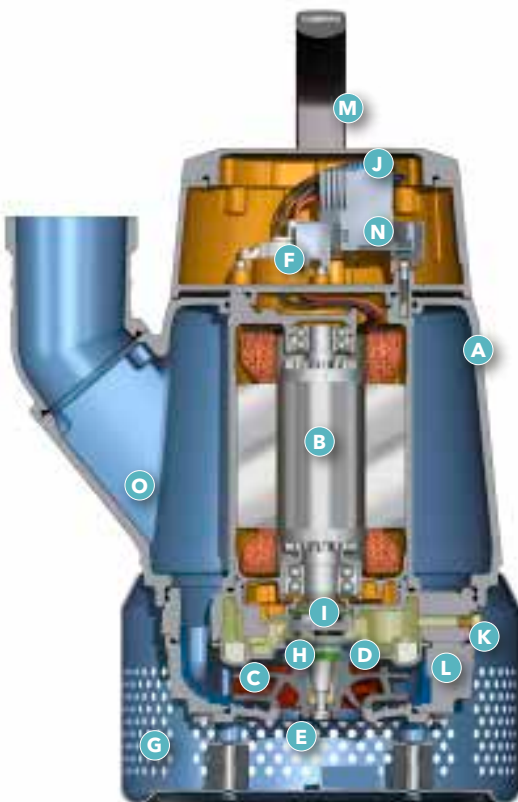
60Hz

# Flygt BIBO 2870

SOME THINGS MAKE A LASTING IMPRESSION

For decades whenever a dewatering challenge seemed too tough or too harsh, the answer has been simple, Flygt BIBO. So how do you improve upon a legend? Simple, we created a new one.

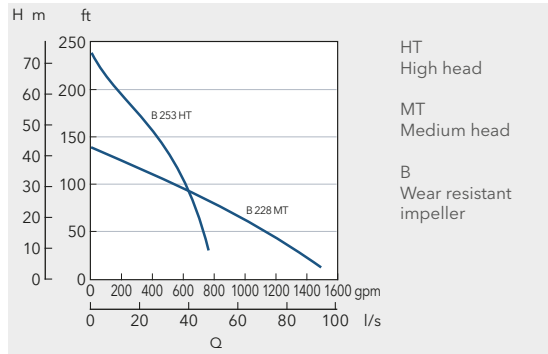
It still has the iconic look; a shape that means stability and robustness. We took our proven hydraulic design and merged it with features that once set the standard in dewatering pumping. For mining, quarrying, construction and tunneling, Flygt BIBO, still a choice you never regret.



- A Air valve**  
The cooler the motor, the better the performance.
- B Class H motor**
- C Dura-Spin™**  
The unique closed impeller and the suction cover which reduces wear.
- D Spin-Out™**  
Protects the outer seal from abrasive particles.
- E Hard-Iron™ impeller and suction cover.**
- F Sealed off terminal board**
- G Strainer bottom with shock absorbers**
- H Single impeller-adjustment screw**
- I Plug-in™ seal with aluminum housing**
- J Inspection cover**
- K External inspection and oil plugs**
- L PolyLife™ coated wear parts**
- M Handle with adjustable height**
- N Less risk of cable damage with a protected cable entry**
- O Wide base and low discharge**



**FLYGT**  
a xylem brand

**Performance****Rating**

27 hp (20 kW) / 3-phase / 3,490 rpm

Voltage V	Rated current A	Starting current A
200 D	70	460
208 D	68	480
220 D	63	410
220 Y parallel	63	395
230 D	61	430
230 Y parallel	61	415
240 D	60	450
240 Y parallel	59	435
380 D	37	231
400 D	35	245
440 D	32	234
440 D serial	31	205
440 Y serial	32	197
460 D	31	240
460 D serial	30	215
460 Y serial	31	207
480 D	30	252
480 Y serial	30	217
575 D	25	189
600 D	25	198
1000 Y	14	109

**Denomination**

Product code	2870.180
Installation	Portable
Discharge connection	4"/6"
Impeller characteristics	High head/medium head (HT/MT) Wear resistant impeller (B) with Dura-Spin™

**Process data**

Liquid temperature	max 104°F (40°C), standard
Depth of immersion	max 65 feet (20 m)
Liquid density	9.2 lb. per US gal. (1100 kg/m <sup>3</sup> )
Strainer hole dimension	ø 0.47" (12.0 mm)
The pH of the pumped liquid	pH 5-8

**Motor data**

Frequency	60 Hz
Insulation class	H, 360°F (180°C)
Voltage variation	max ± 10% - continuously running max ± 10% - intermittent running
Voltage imbalance	max 2% - between phases max 30 - No. of starts/hour

**Monitoring equipment**

Thermal contacts	284°F (140°C)
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**Cables**

SUBCAB®	SUBCAB® Submersible cable
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**Materials**

Outer casing	Aluminium
Impeller	Hard-Iron®
Wear parts	PolyLife/Nitrile rubber/Hard-Iron®
Stator housing	Aluminum
Strainer	Stainless steel
Shaft	Stainless steel
O-rings	Nitrile rubber
Discharge connection	Aluminium

**Mechanical face seals**

Inner Active Seal™	Tungsten Carbide/Tungsten carbide
Outer	Tungsten carbide/Tungsten carbide

**Weight and dimensions**

Weight (excl. cable)	276 lbs. (154 Kg)
Height	39" (991 mm)
Width	ø 19.7" (500 mm)

**Options**

Warm liquid version	Warm liquid version max 158°F (70°C)
Quick couplings	
Starters	

**Accessories**

Tandem connections, hose connections. Electrical accessories such as pump controllers, control panels and monitoring relays. Zinc anodes.
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**xylem**  
Let's Solve Water

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