



# Flygt Bibo<sup>α</sup>

THE NEXT GENERATION OF DEWATERING PUMPS

50/60Hz



## Introducing a new generation of dewatering pumps

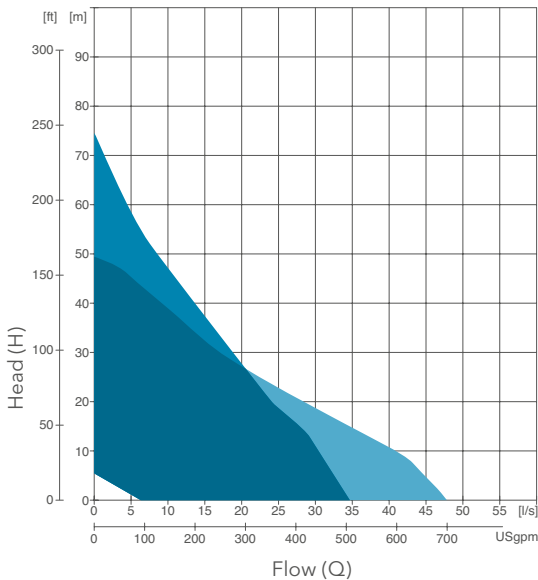
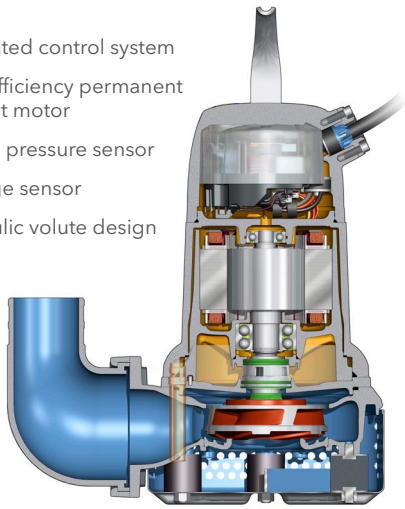
Bibo Alpha is a true plug and play pump, always adapting to optimize efficiency thanks to integrated intelligence.

To meet the increasing needs from the mining and construction industries to lower the total cost of pumping water, this pump is developed to be extremely robust, compact, stable and just as quick and easy to set-up as a traditional pump.

This is the first submersible dewatering pump that adjusts to a flow and head performance field instead of a static curve to meet the needs of any application.

This new technology provides a new level of flexibility adapted to today's and future needs in dewatering.

- Integrated control system
- High efficiency permanent magnet motor
- Built-in pressure sensor
- Leakage sensor
- Hydraulic volute design



Voltage (V)	Rated current (A)	Starting current (A)
380	13.50	13.50
400	12.83	12.83
415	12.36	12.36
440	11.66	11.66

Denomination	50Hz	60Hz
Product code	2960.180	
Installation	Portable (S)	
Discharge connection	3" & 4"	
Impeller characteristics	HT: High head wear resistant impeller with DuraSpin MT: Medium head wear resistant impeller with DuraSpin	

Process data		
Liquid temperature	40°C	104°F
Depth of immersion	max 20 m	max 65 ft
Liquid density	max 1,100 kg/m <sup>3</sup>	max 9.2 lb/USgal
Strainer hole dimension	Ø10 mm	Ø0.39"
pH of pumped liquid	pH 5-8	

Motor data		
Frequency	50 Hz	60 Hz
Insulation class	H (180°C)	H (356°F)
Voltage variation	max +/- 10%	
Voltage imbalance	< 3%	
Starts per hour	max 240	

Monitoring equipment		
Leakage sensor	FLS 40, direction independent sensor	
Pressure sensor	Absolut pressure sensor, 0-2 bar	

Cables		
SUBCAB®	Submersible cable	

Materials		
Outer casing	Aluminum	
Impeller	Hard-Iron™	
Wear parts	Hard-Iron™ /Cast iron	
Stator housing	Aluminum	
Strainer	Stainless steel	
Shaft	Stainless steel	
O-rings	Nitrile rubber	
Discharge connection	Aluminum	

Mechanical face seals		
Inner Seal	WCCR / Al2O3	
Outer Seal	WCCR / WCCR	

Weight & dimensions		
Weight (excl. cable)	68 kg	150 lbs
Height	658 mm	25.9"
Width	500-523 mm	19.69-20.59"

Options		
DCU111 - Pump controle Unit		
Quick couplings		
Zinc anodes		

Rating		
380-480 V		
120-4000 rpm		
7.4 kW		10 hp



[www.xylem.com/flygt/](http://www.xylem.com/flygt/)