

# EBS



## GENERAL DATA

### Applications

Automatic self priming multistage pump (with 2,3 or 4 impellers)  
Which is one of the quietest pumps available in the world (67 dB)  
Built with intergrated electronics to supply water for systems including

- Pressure Boosting
- \* Residential Homes
- \* Farming Applications
- \* Residential Irrigation
- \* Garden Irrigation Drip/Low Flow
- \* Hydroponics
- \* Rain Water Harvesting
- \* Water Supply from Shallow Wells

### Constructional features of the pump

Pump Body in sound absorbent composite material, with technopolymer hydraulics.  
Carbon/ceramic mechanical seals.

The system is equipped with an integrated electronics board, pressure and flow switches for automatic start and stop as soon as the taps are opened or closed. The electronics prevent the pump from operating dry. The system has LED signals and alarms. It has an automatic restart once the error conditions have been reset. The system is equipped with non-return valves in aspiration, 6 ft power cord and plug and a 1/2 gallon tank.

### Constructional features of the motor

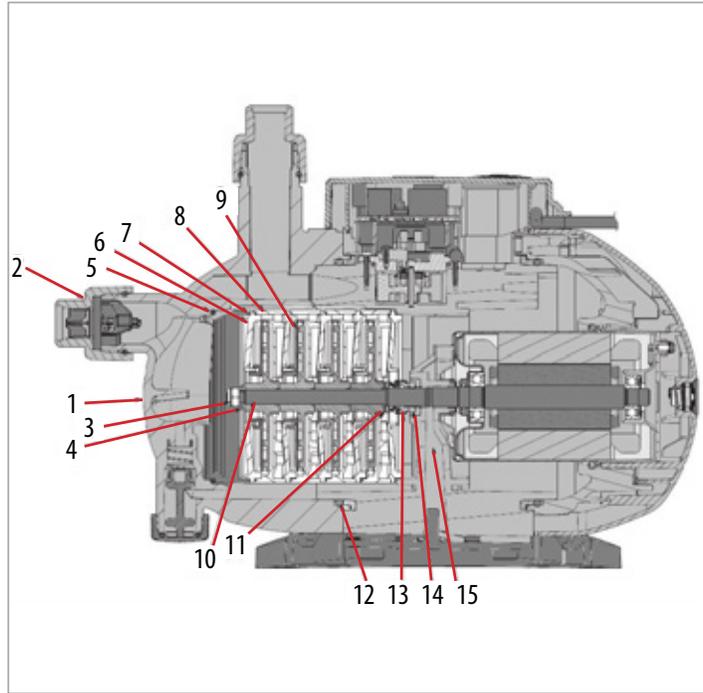
Single phase, asynchronous, continuous service motor cooled by the liquid being pumped.  
Incorporated thermo-amperometric protection and permanently inserted capacitor.  
Manufactured according to UL 778 -2010 & CSA 108-1  
Motor protection: NEMA 3  
Insulation class: F

Standard voltage: 115v 60Hz or 230v 60Hz

# TECHNICAL DATA

## MATERIALS

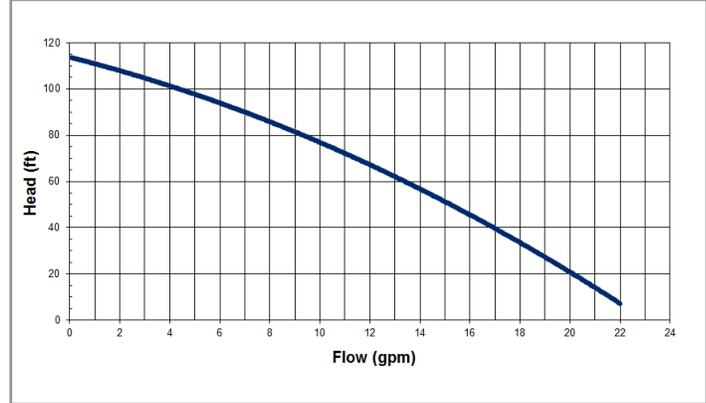
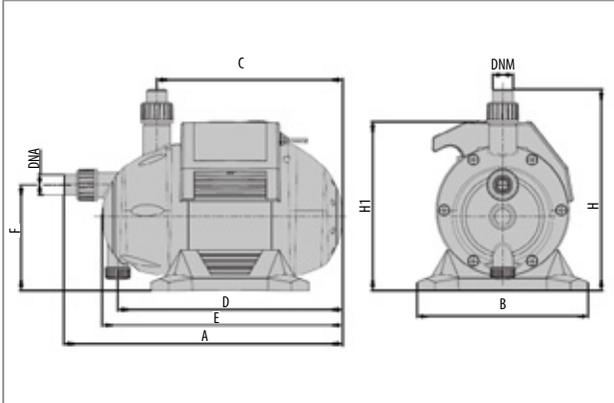
N°	PARTS*	MATERIALS
1	PUMP BODY	TECHNOPOLYMER
2	NON-RETURN VALVE	TECHNOPOLYMER
3	NUT	UNI7474 A2 STAINLESS STEEL NUT
4	WASHER	A2 STAINLESS STEEL
5	OR GASKET	NBR
6	DIFFUSER PLUG	TECHNOPOLYMER
7	OR GASKET	NBR
8	DIFFUSER	NORYL
9	IMPELLER	NORYL
10	ROTOR SHAFT	AISI 416 STAINLESS STEEL
11	WASHER	A2 STAINLESS STEEL
12	OR GASKET	NBR
13	MECHANICAL SEAL	SILICON - VITON
14	COUNTERFACE	STEA/NBR
15	BODY	TECHNOPOLYMER



\* In contact with liquid

Operating Range:	From 0 to 24 gpm with a head up to 174 ft ( 74 psi )
Liquid quality requirements:	clean, free from solids or abrasive substances, non viscous, non aggressive, non crystallized, chemically neutral, close to the characteristics of water
Liquid temperature Range:	From 32°F to 104°F
Maximum suction depth	26 ft
Maximum ambient temp.	104°F
Maximum operating pressure	116 psi
Installation:	fixed or portable in a horizontal position
Special version on request	other voltages and/or frequencies

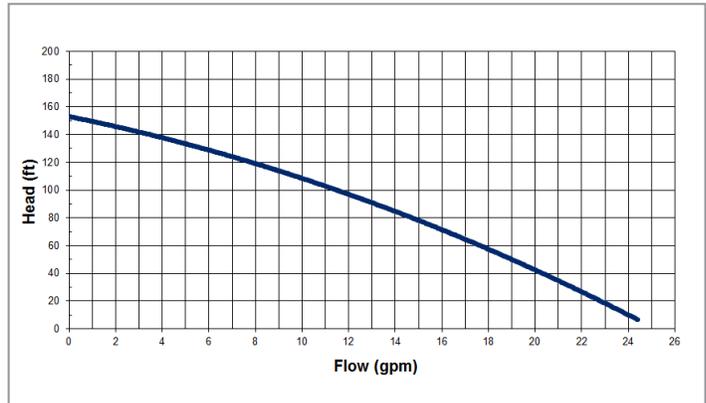
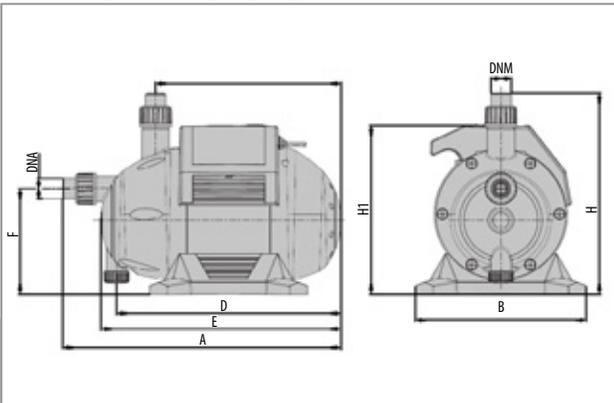
# EBS 800



MODEL	A	B	C	D	E	F	H	H1	DNA	DNM	Weight
EBS 800	17 7/8"	11 1/8"	12"	14 5/8"	15 5/8"	6 7/8"	13"	11"	1" NPT	1" NPT	24.3 lbs

MODEL	ELECTRICAL DATA				HYDRAULIC DATA			
	Voltage 60Hz	P1 Watt   Hp		In A	Start Pressure	MAX Flow	Max Head	Max Pressure
EBS 800 115	115v	800	1/2	8.0	23 psi	22 gpm	116 ft	50 psi
EBS 800 230	230v	800	1/2	4.0	23 psi	22 gpm	116 ft	50 psi

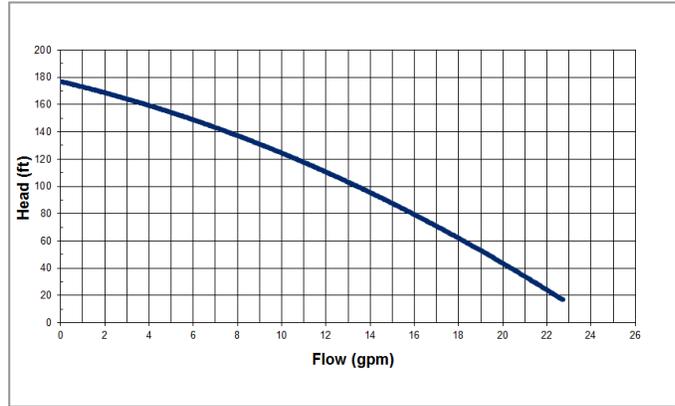
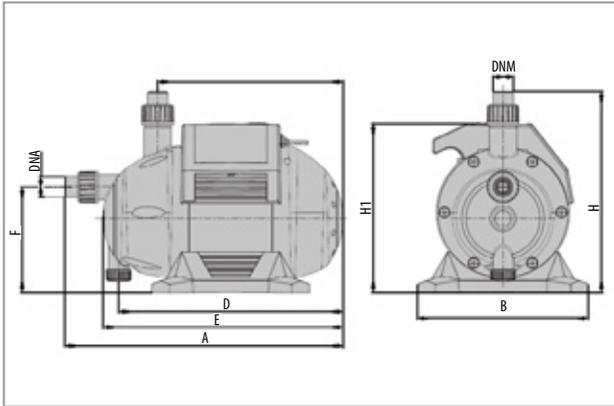
# EBS 1000



MODEL	A	B	C	D	E	F	H	H1	DNA	DNM	Weight
EBS 1000	17 7/8"	11 1/8"	12"	14 5/8"	15 5/8"	6 7/8"	13"	11"	1" NPT	1" NPT	24.3 lbs

MODEL	ELECTRICAL DATA				HYDRAULIC DATA			
	Voltage 60Hz	P1 Watt   Hp		In A	Start Pressure	MAX Flow	Max Head	Max Pressure
EBS 1000 115	115v	1000	3/4	10.0	23 psi	24 gpm	152 ft	66 psi
EBS 1000 230	230v	1000	3/4	5.0	23 psi	24 gpm	152 ft	66 psi

# EBS 1250



MODEL	A	B	C	D	E	F	H	H1	DNA	DNM	Weight
EBS 1250	17 <sup>7</sup> / <sub>8</sub> "	11 <sup>1</sup> / <sub>8</sub> "	12 "	14 <sup>5</sup> / <sub>8</sub> "	15 <sup>5</sup> / <sub>8</sub> "	6 <sup>7</sup> / <sub>8</sub> "	13 "	11 "	1" NPT	1" NPT	24.3 lbs

MODEL	ELECTRICAL DATA				HYDRAULIC DATA			
	Voltage 60Hz	P1		In A	Start Pressure	MAX Flow	Max Head	Max Pressure
		Watt	Hp					
EBS 1250 115	115v	1200	1	12.0	40 psi	24 gpm	174 ft	74 psi
EBS 1250 230	230v	1200	1	6.0	40 psi	24 gpm	174 ft	74 psi