

# BLASTER®

## Filtered Effluent Pump

### SPECIFICATIONS

Model	Flow Range GPM	Horsepower Range	Best Eff. GPM	Discharge Connection	Maximum Solids Size	Rotation <sup>①</sup>
8EB	1.5 – 10	½ – 1	7	1¼"	⅛" dia.	CCW
12EB	3 – 16	½ – 1½	10	1¼"	⅛" dia.	CCW
20EB	6 – 28	½ – 1½	18	1¼"	⅛" dia.	CCW
33EB	10 – 50	½ – 1½	33	1¼"	⅛" dia.	CCW
55EB	20 – 80	½ – 1½	55	1¼"	⅛" dia.	CCW

① Rotation is counterclockwise when observed from pump discharge end.

### "EB" SERIES MATERIALS OF CONSTRUCTION

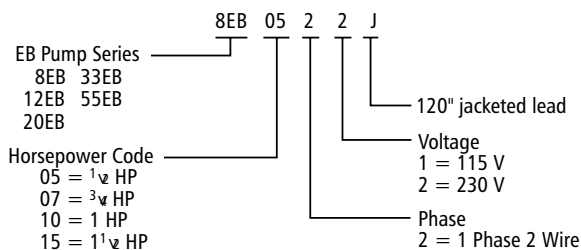
Part Name	Material
Discharge Head	Glass Filled Eng. Composite
Bearing Spider – Upper	Noryl®/ GFN2
Bearing	Proprietary Eng. Polymer
Shaft Retaining Ring	AISI 301 SS
Diffuser	Lexan®
Impeller	Noryl®/GFN2
Bowl	AISI 304 SS
Shim	AISI 304 SS
Inlet Strainer	Glass Filled Eng. Composite
Screws – Cable Guard	AISI 304 SS
Motor Adapter	Glass Filled Eng. Composite
Casing	AISI 304 SS
Shaft	
Coupling	AISI 304 SS, Powder Metal
Cable Guard	AISI 304 SS

Lexan® and Noryl® are trademarks of GE Plastic.

Delrin® is a trademark of Dupont.



### ORDER NUMBER CODE



### FEATURES

■ Designed for pumping filtered effluent from processed septic systems only.

■ **Field Serviceable:** Pump can be rebuilt in the field to like new condition with common tools and readily available spare parts. **NOTE:** The pump has left hand casing threads.

■ **Powered for Continuous Operation:** All ratings are within the working limits of the motor as recommended by the motor manufacturer. Pump can be operated continuously without damage to the motor.

■ **Metal Parts are Stainless Steel:** AISI types 301 and 304 are corrosion resistant, non-toxic and non-leaching.

■ **Non-Metallic Parts:** Impellers and diffusers are constructed of glass filled polycarbonate or Noryl, engineered composites. Both materials are corrosion and effluent resistant.

■ **Discharge Head:** Engineered composite material for superior strength and corrosion resistance. Loops for safety line molded into head.

■ **Motor Adapter:** Engineered composite material with high rigidity to provide accurate alignment of liquid end to motor. Generous space for removal of motor mounting nuts with regular open-end wrench.

■ **Bowls:** Stainless steel for strength and abrasive resistance.

■ 120" 3 wire jacketed motor lead standard.

■ Warranted for one year against failure due to workmanship and materials. **Solids plugged pumps are not covered. Pumps used for liquids other than filtered effluent are not covered.**

■ **Stainless Steel Casing:** Polished stainless steel is strong, attractive and corrosion resistant.

■ **Hex Shaft Design:** Six sided shaft for positive impeller drive.

■ **Inlet Strainer:** Molded suction strainer built into motor adapter.

■ **Engineered Polymer Bearings:** The proprietary, engineered polymer bearing material is extremely strong and highly resistant to abrasion and wear. The enclosed design upper bearing is mounted in a durable Noryl bearing spider for excellent abrasion resistance.

■ **NEMA Motor:**

- Corrosion resistant stainless steel construction.
- Built-in surge arrestor is provided on single phase motors.
- Stainless steel splined shaft.
- Hermetically sealed windings.
- Replaceable motor lead assembly.
- UL 778 recognized.
- NEMA mounting dimensions.

■ **Agency Listings:** All complete pump/motor assemblies are UL778 and CSA listed. All 4" Motors are UL778 recognized.

■ All models have ⅛" diameter bypass in discharge head to ensure venting on start up.

③ See curves and note.

### AGENCY LISTINGS

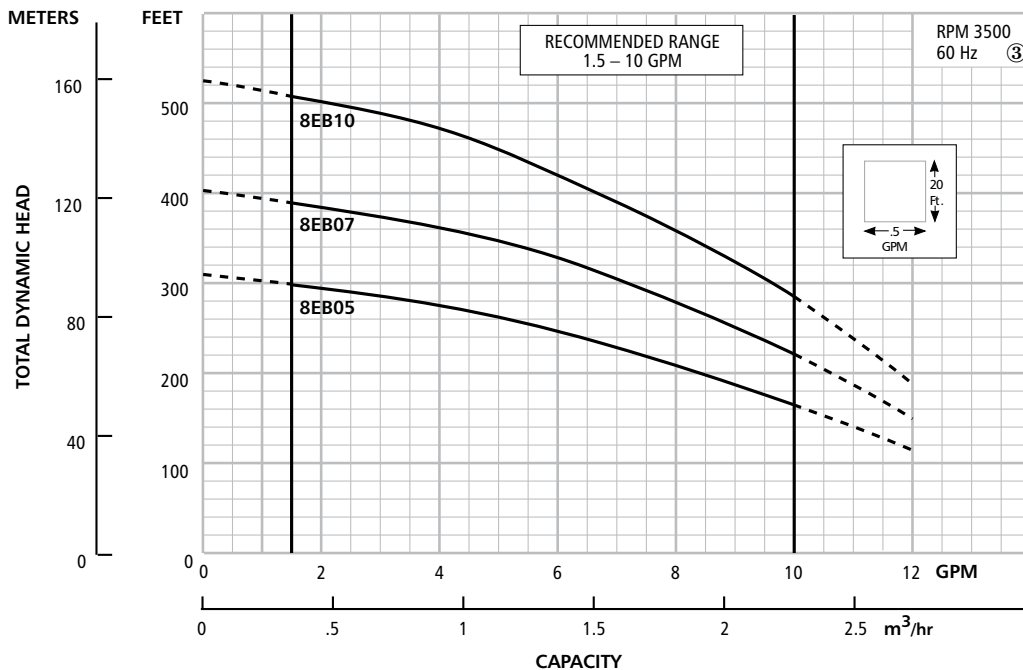


Underwriters Laboratories  
File no. E174426

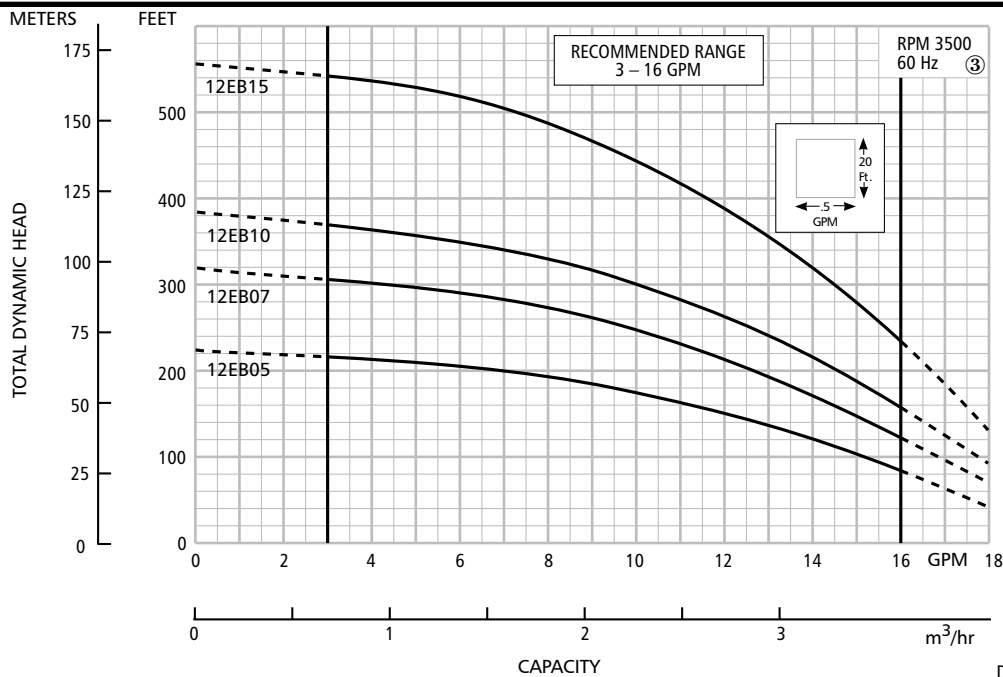


Canadian Standards Association  
File no. 38549

# Model 8EB



# Model 12EB



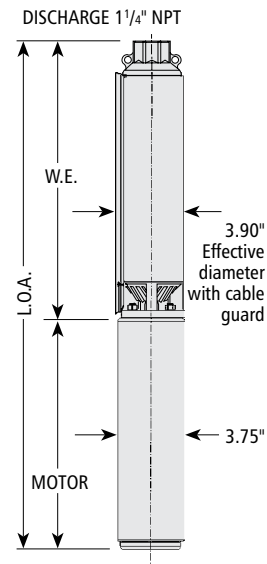
## DIMENSIONS AND WEIGHTS

Order Number	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.①	Motor	L.O.A.②	W.E.	Motor	Total
8EB0522J, 8EB0521J	1/2	1	10	13.3	9.5	22.8	5	18	23
8EB0722J	3/4	1	13	15.4	10.7	26.1	6	20	26
8EB1022J	1	1	17	18.3	11.8	30.1	8	23	31
12EB0522J, 12EB0521J	1/2	1	7	11.0	9.5	20.5	4	18	22
12EB0722J	3/4	1	10	13.0	10.7	23.7	5	20	25
12EB1022J	1	1	12	14.4	11.8	26.2	6	23	29
12EB1522J	1 1/2	1	17	17.9	15.1	33.0	8	31	39

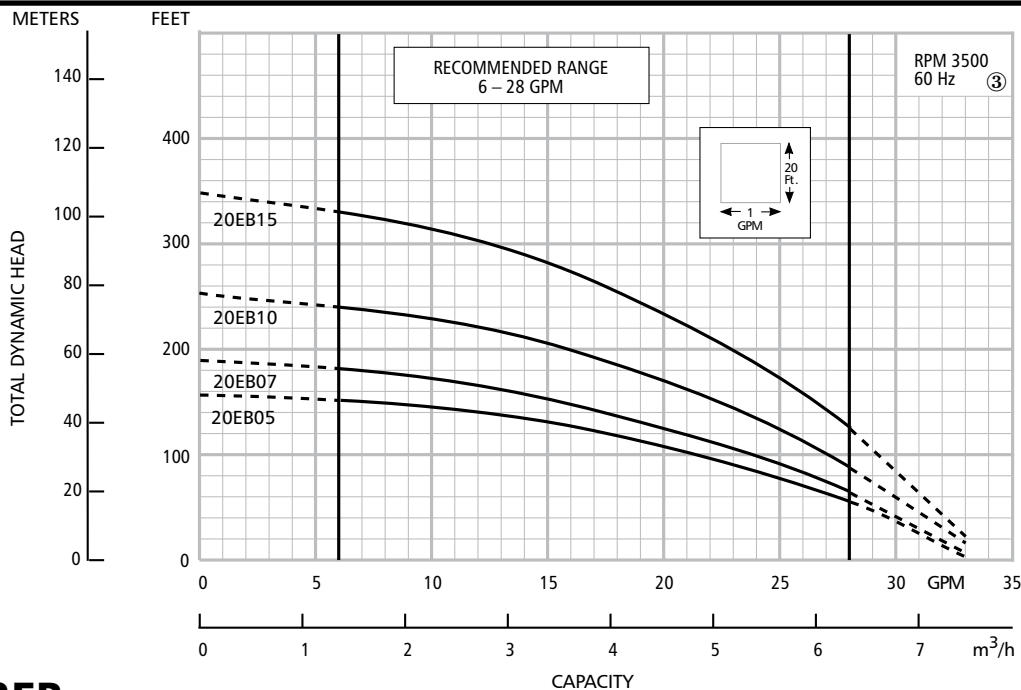
① W.E. = water end or pump without motor.

② L.O.A. = length of assembly – complete pump – water end and motor.

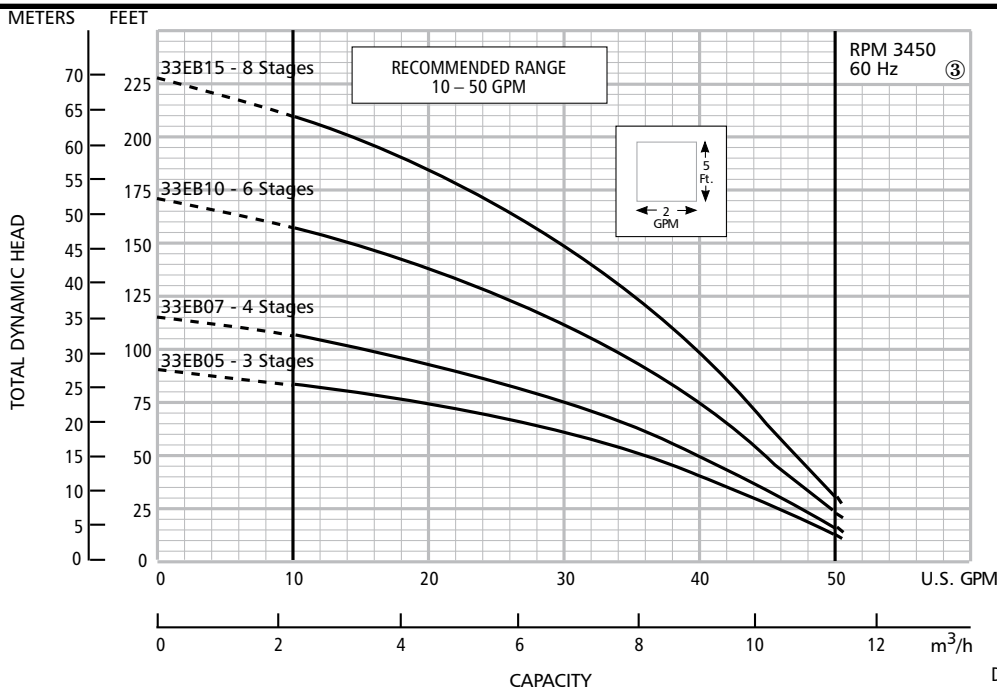
③ Performance curves are based on running pumps without 1/8" discharge head weep hole. Actual performance will be slightly lower unless weep hole is plugged.



# Model 20EB



# Model 33EB



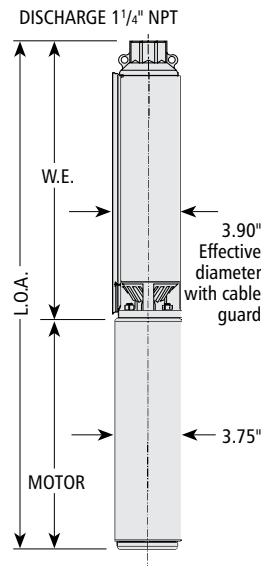
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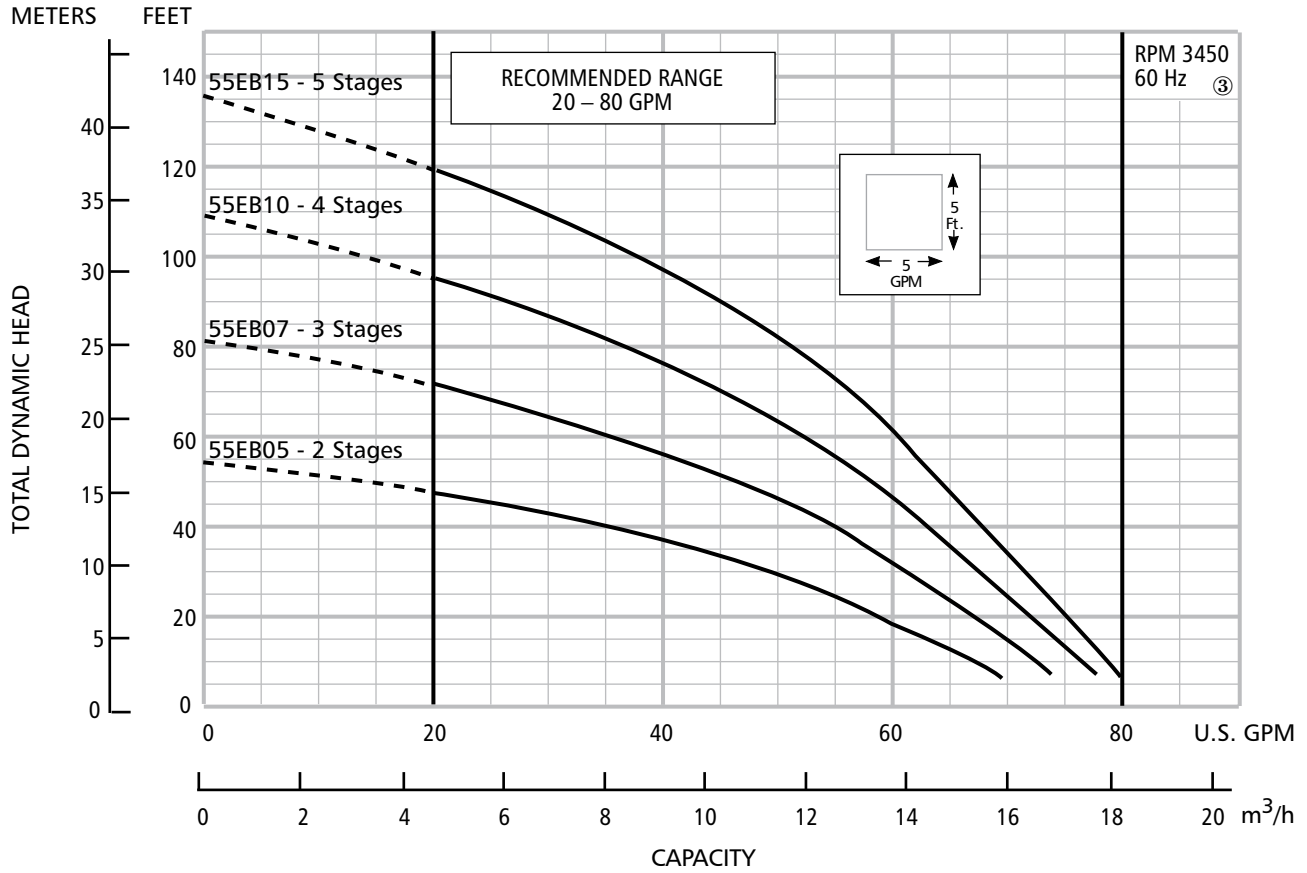
Order Number	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.①	Motor	L.O.A.②	W.E.	Motor	Total
20EB0522J, 20EB0521J	½	1	5	9.6	9.5	19.1	3	18	21
20EB0722J	¾	1	6	11.3	10.7	22.0	4	20	24
20EB1022J	1	1	8	13.0	11.8	24.8	5	23	28
20EB1522J	1½	1	11	15.5	15.1	30.6	6	31	37
33EB0522J, 33EB0521J	½	1	3	11.0	9.5	20.5	4	18	22
33EB0722J	¾	1	4	12.2	10.7	22.9	5	20	25
33EB1022J	1	1	6	14.7	11.8	26.4	6	23	29
33EB1522J	1½	1	8	17.1	15.1	32.2	7	31	38

① W.E. = water end or pump without motor.

② L.O.A. = length of assembly – complete pump – water end and motor.

③ Performance curves are based on running pumps without 1/8" discharge head weep hole. Actual performance will be slightly lower unless weep hole is plugged.





## DIMENSIONS AND WEIGHTS

Order Number	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.①	Motor	L.O.A.②	W.E.	Motor	Total
55EB0522J, 55EB0521J	½	1	2	11.4	9.5	20.9	4	18	22
55EB0722J	¾	1	3	13.5	10.7	24.2	5	20	25
55EB1022J	1	1	4	15.5	11.8	27.3	6	23	29
55EB1522J	1½	1	5	17.6	15.1	32.7	8	31	39

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