BLASTER®

Filtered Effluent Pump

SPECIFICATIONS

Model	Flow Range GPM	Horsepower Range	Best Eff. GPM	Discharge Connection	Maximum Solids Size	Rotation①
8EB	1.5 – 10	½ – 1	7	1¼	1/16" dia.	CCW
12EB	3 – 16	½ – 1½	10	1¼	1/16" dia.	CCW
20EB	6 – 28	½ – 1½	18	1¼	1/16" dia.	CCW
33EB	10 – 50	½ – 1½	33	1¼	1/16" dia.	CCW
55EB	20 – 80	½ – 1½	55	1¼	1/16" 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

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ORDER NUMBER CODE

8EB 05 2 2 J

- EB Pump Series: 8EB 33EB 12EB 55EB 20EB
- Horsepower Code: 05 = ½ HP, 07 = ¾ HP, 10 = 1 HP, 15 = 1½ HP
- Phase: 2 = 1 Phase 2 Wire
- Voltage: 1 = 115 V, 2 = 230 V
- 120" jacketed lead

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.

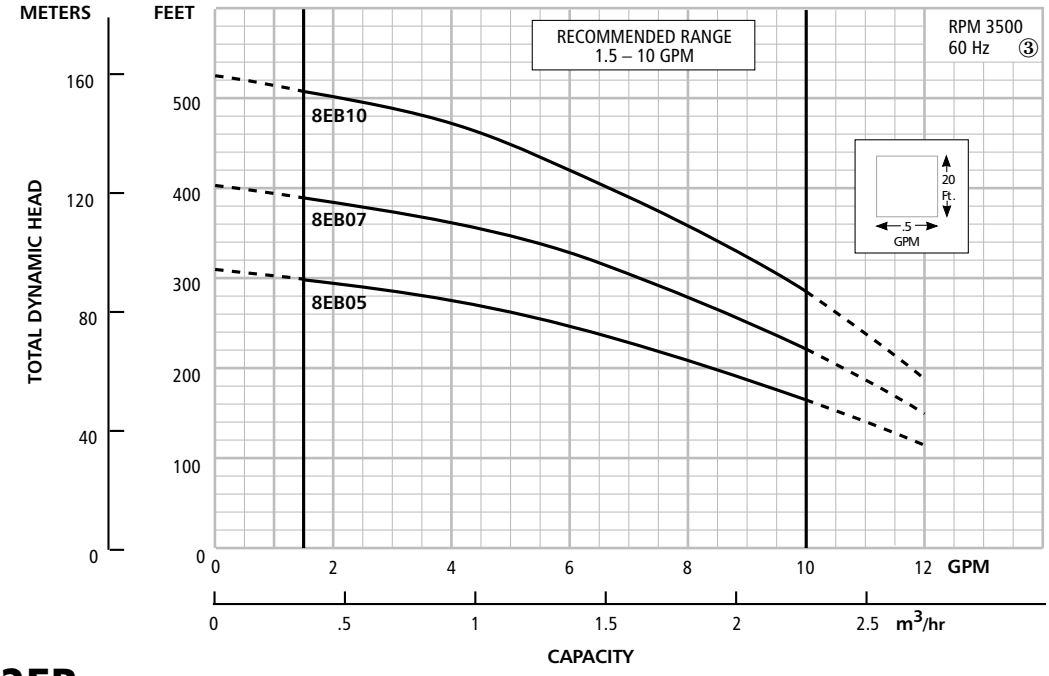
③ See curves and note.

AGENCY LISTINGS

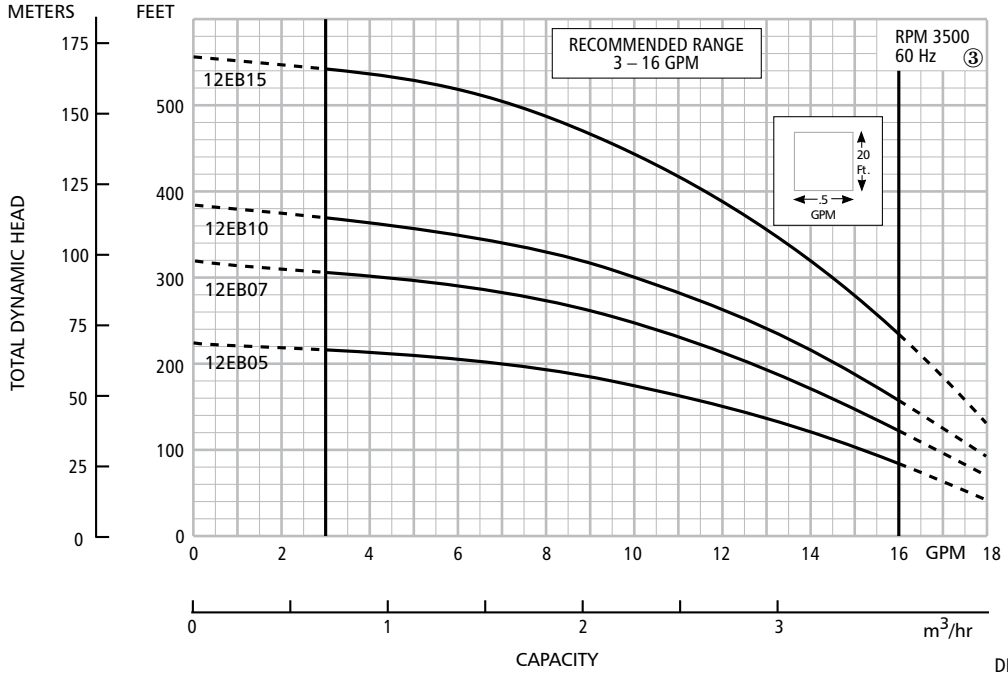
Underwriters Laboratories File no. E174426

Canadian Standards Association File no. 38549

Model 8EB



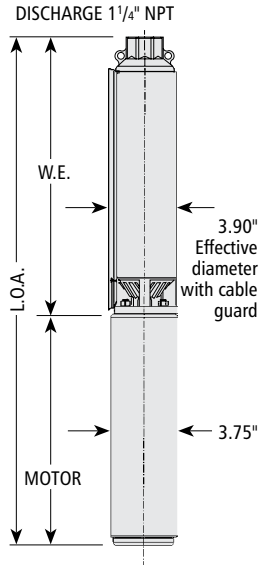
Model 12EB



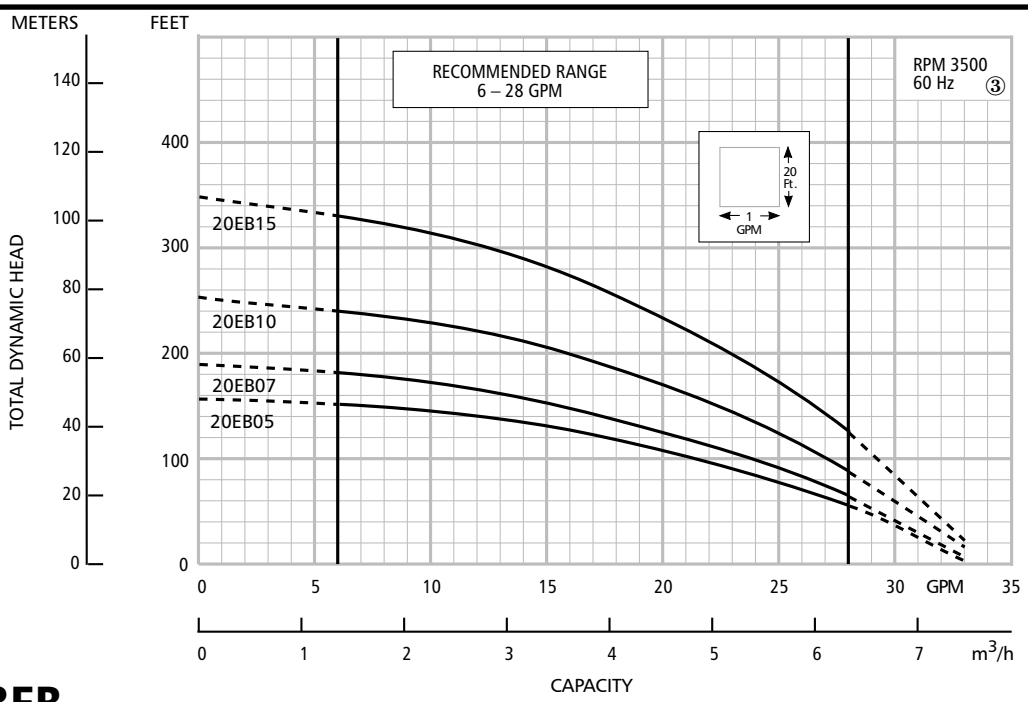
DIMENSIONS AND WEIGHTS

Order Number	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.①	Motor	L.O.A.②	W.E.	Motor	Total
8EB0522J, 8EB0521J	½	1	10	13.3	9.5	22.8	5	18	23
8EB0722J	¾	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	½	1	7	11.0	9.5	20.5	4	18	22
12EB0722J	¾	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	1½	1	17	17.9	15.1	33.0	8	31	39

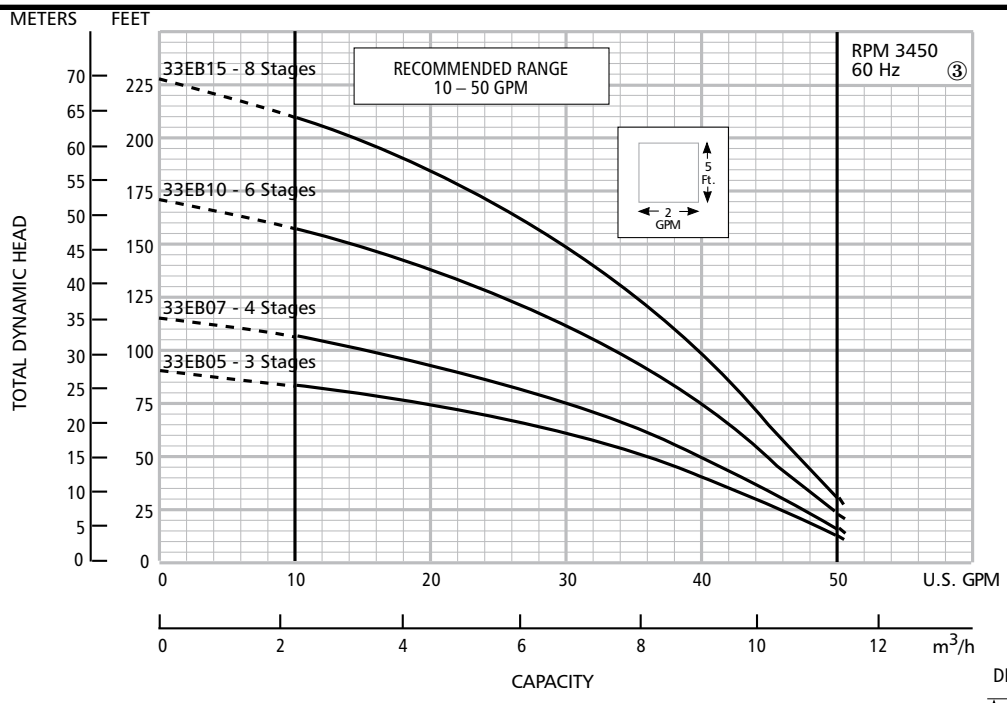
① W.E. = water end or pump without motor.
② L.O.A. = length of assembly – complete pump – water end and motor.
③ Performance curves are based on running pumps without ⅛" discharge head weephole. Actual performance will be slightly lower unless weep hole is plugged.



Model 20EB



Model 33EB



DIMENSIONS AND WEIGHTS

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

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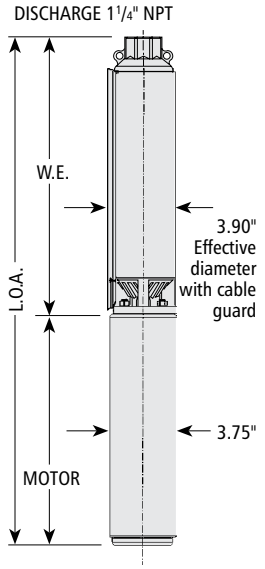
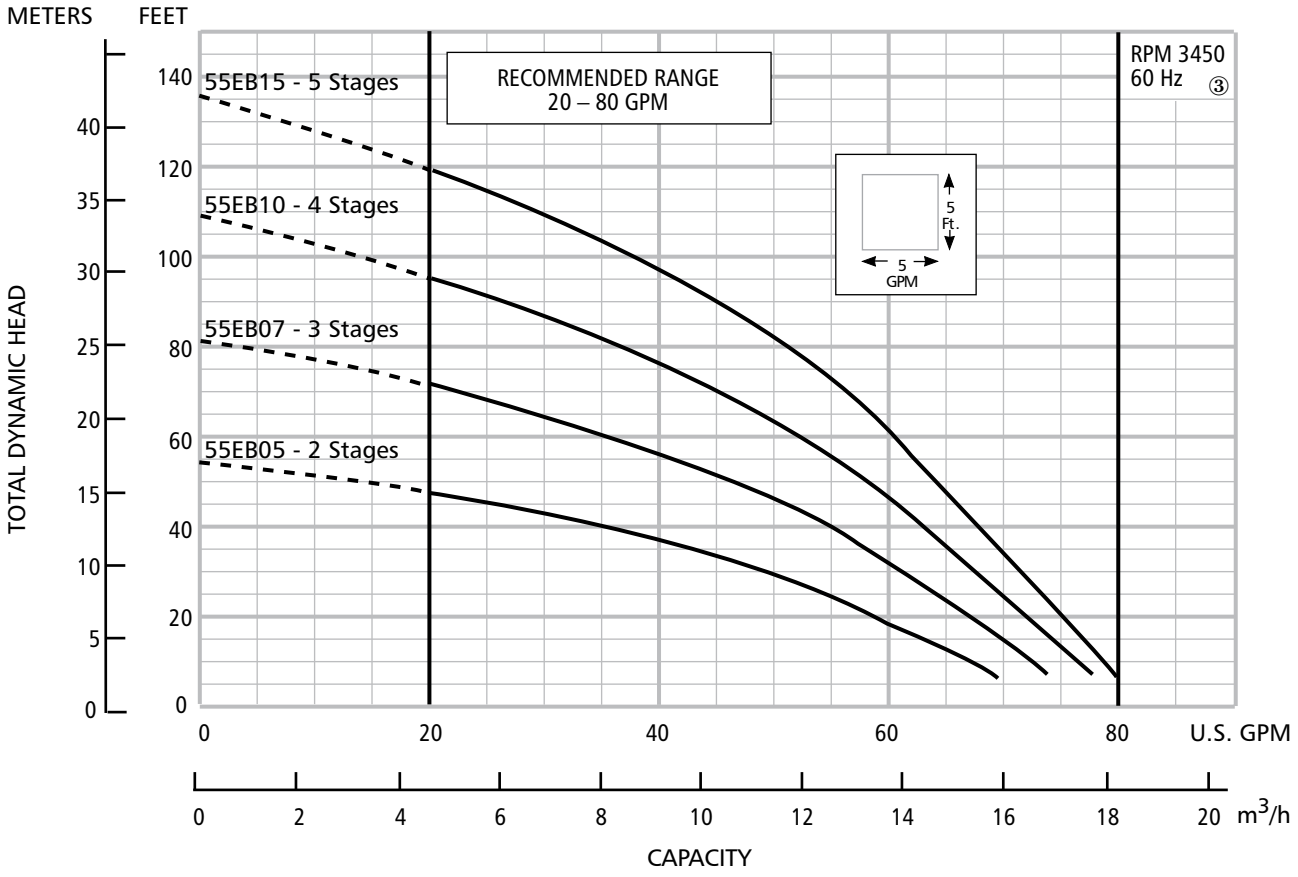


Model 55EB



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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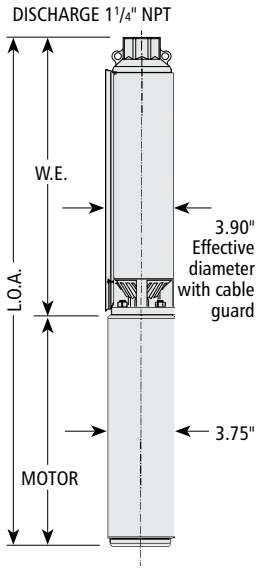

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BBLASTER

Printed on recycled paper.

Specifications are subject to change without notice.