



# Submittal Data Information

100-1.3

## In-Line Circulators

Effective: May 4, 2009

Supersedes: August 15, 2006

Job: \_\_\_\_\_ Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_ Rep: \_\_\_\_\_

ITEM NO.	MODEL NO.	IMP. DIA.	G.P.M.	HEAD/FT.	H.P.	ELEC. CHAR.

### 110 Series In-Line Circulators

#### 110 Series (110, 111, 112, 113, 120) Red Baron Circulators:

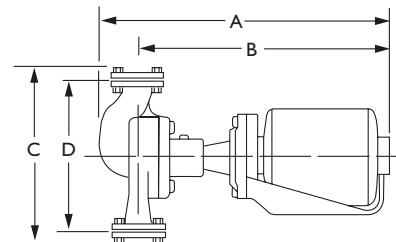
##### Rugged Motor Built to Last

- Resilient mounted, split phase motor with built-in overload protector
- Equipped with sleeve bearings for quiet operation



##### Proven Pump Construction

- One piece non-ferrous impeller
- Stainless steel shaft
- Rugged bronze sleeve bearing
- Two piece carbon/ceramic seal assembly
- Durable one piece spring coupling



110, 111, 112, 113 & 120

##### Factory Tested

- Every circulator is operated before shipment

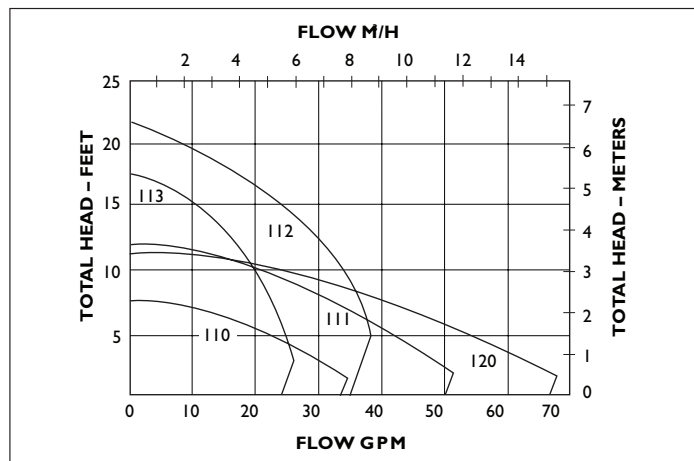
##### Easy, Low-Cost Service

- No special tools required
- Nationwide parts availability

##### Accessories & Options

- Available in all bronze construction
- Companion Freedom® flanges available in: 3/4", 1", 1-1/4", 1-1/2" sizes
- Freedom® Shut-off flanges available in: 3/4", 1", 1-1/4" and 1-1/2" sizes

Allow easy isolation and service



#### Specifications (110 Series)

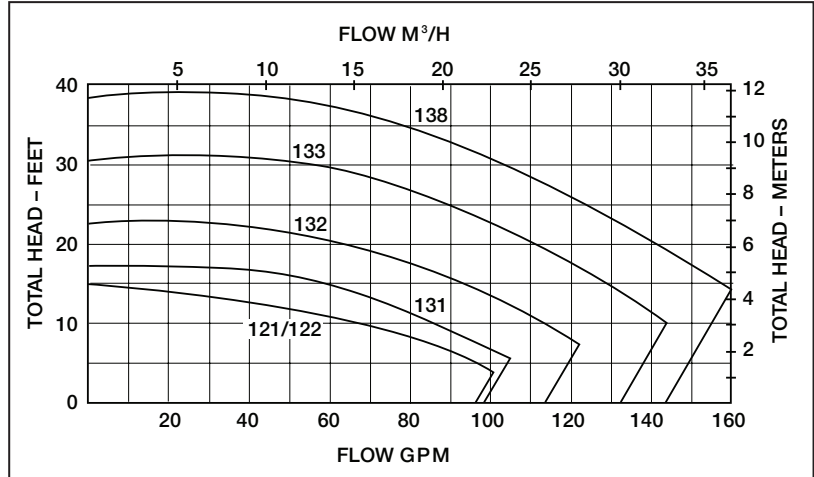
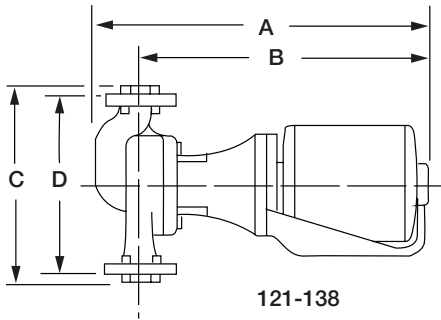
MODEL NUMBER <sup>(1)</sup>	FLANGE SIZE	MOTOR <sup>(2)</sup>		MAXIMUM TEMP. <sup>(3)</sup>	PRESSURE RATING	DIMENSIONS				APPROX. SHIPPING WEIGHT					
		115V 60C 1 Ph	RPM			A		B		C		D			
						IN.	MM	IN.	MM	IN.	MM	IN.	MM	LBS	KG
110	3/4", 1", 1 1/4", 1 1/2"	1/12	1725	240° F	125 psi	14 5/8	371.5	12 5/8	320.7	7 7/8	200.0	6 7/16	160.3	21	9.5
111	3/4", 1", 1 1/4", 1 1/2"	1/8	1725	240° F <sup>(3)</sup>	125 psi	16 1/4	412.8	13 7/8	352.4	10 1/4	260.4	8 3/8	222.3	26	11.8
112	3/4", 1", 1 1/4", 1 1/2"	1/3	3450	240° F	125 psi	16 1/2	419.1	14 1/2	368.3	7 7/8	200.0	6 3/8	161.9	28	12.7
113	3/4", 1", 1 1/4", 1 1/2"	1/8	1725	240° F <sup>(3)</sup>	125 psi	16 1/4	412.8	14	355.6	10 5/8	257.2	8 1/2	215.9	27	12.2
120	2"	1/6	1725	240° F <sup>(3)</sup>	125 psi	16 7/8	428.6	14 1/4	362.0	13 1/2	342.9	11	279.4	46	20.9

(1) When specifying all bronze construction, add letter "B" after model number (i.e. 110B).

(2) Motors are available with other electrical characteristics – consult your Taco representative.

(3) 240° Intermittent; 200° Continuous.

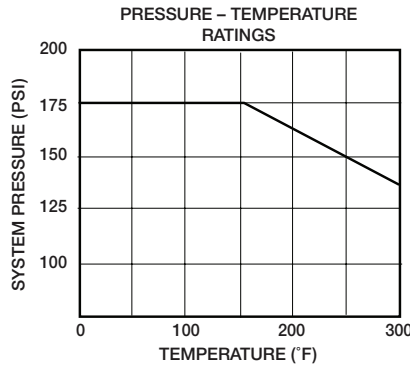
# 121-138 Series Circulators



## Specifications (121-138 Series)

MODEL NUMBER <sup>(1)</sup>	FLANGE SIZE	MOTOR <sup>(2)</sup>			DIMENSIONS								SHIPPING WEIGHT	
		60C/AC	1 PH	RPM	A		B		C		D		LBS.	KG
					IN.	MM	IN.	MM	IN.	MM	IN.	MM		
121	2½"	¼ HP, 115 V		1725	18⅛	460.4	15⅞	403.2	14¼	362.0	11⅛	282.6	72	32.7
122	3"	¼ HP, 115 V		1725	18⅛	460.4	15⅞	403.2	13⅝	346.1	11⅛	282.6	72	32.7
131	3"	⅓ HP, 115 V		1725	19¼	489.0	15¾	400.1	16	406.4	13⅝	346.1	95	43.1
132	3"	½ HP, 115/230 V or 230/460/60/3 or 200/60/3		1725	21½	546.1	18	457.2	16	406.4	13⅝	346.1	108	49.0
133	3"	¾ HP, 115/230 V or 230/460/60/3 or 200/60/3		1725	22⅛	562.0	18⅝	473.1	16	406.4	13⅝	346.1	113	51.3
138	3"	1 HP, 115/230 V or 230/460/60/3 or 200/60/3		1725	22⅝	574.0	19⅞	485.8	16	406.4	13⅝	346.1	118	53.5

- (1) When specifying all bronze construction, add letter "B" after model number (i.e. 132B).  
When specifying bronze fitted construction, add letter "C" after model number (i.e. 132C)  
(2) Motors are available with other electrical characteristics – consult your Taco representative.



**Do it Once. Do it Right.®**

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