



Submittal Data Information

In-Line Circulators

100-1.3

Effective: March 15, 2010

Supersedes: May 4, 2009

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:

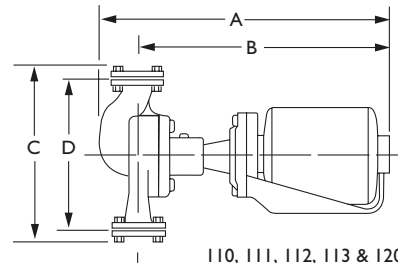
Rugged Motor Built to Last

- 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

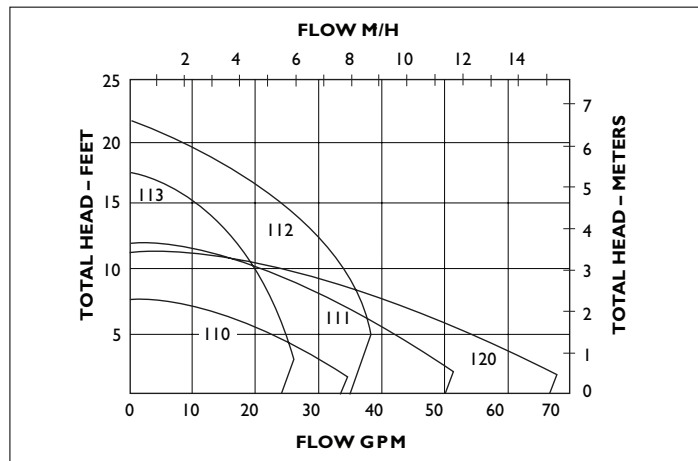
Easy, Low-Cost Service

- 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)

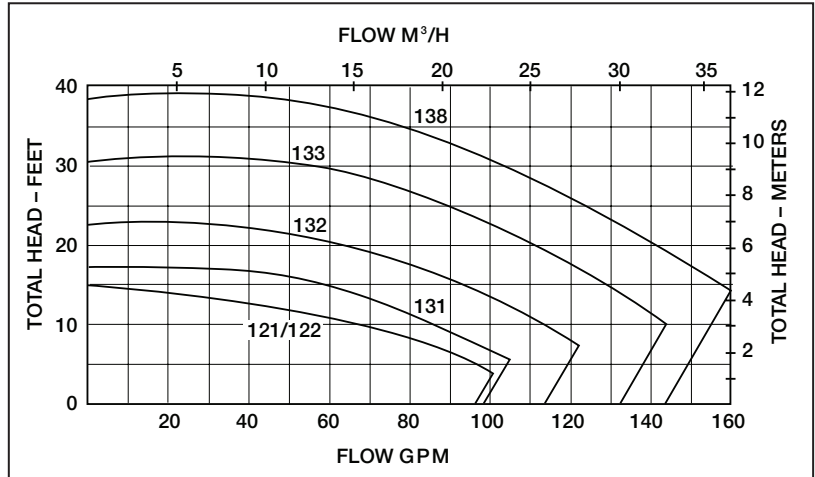
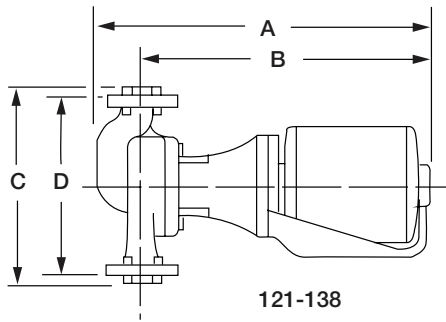
| MODEL NUMBER ⁽¹⁾ | FLANGE SIZE | MOTOR ⁽²⁾ | | MAXIMUM TEMP. ⁽³⁾ | PRESSURE RATING | DIMENSIONS | | | | | | | | APPROX. SHIPPING WEIGHT | |
|-----------------------------|--------------------------|----------------------|------|------------------------------|-----------------|------------|-------|--------|-------|--------|-------|--------|-------|-------------------------|------|
| | | 115V 60C 1 Ph | RPM | | | A | | B | | C | | D | | LBS | KG |
| | | | | | | IN. | MM | IN. | MM | IN. | MM | IN. | MM | | |
| 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 3/16 | 160.3 | 21 | 9.5 |
| 111 | 3/4", 1", 1 1/4", 1 1/2" | 1/8 | 1725 | 240° F ⁽³⁾ | 125 psi | 16 1/4 | 412.8 | 13 3/8 | 352.4 | 10 1/4 | 260.4 | 8 3/4 | 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 3/16 | 161.9 | 28 | 12.7 |
| 113 | 3/4", 1", 1 1/4", 1 1/2" | 1/8 | 1725 | 240° F ⁽³⁾ | 125 psi | 16 1/4 | 412.8 | 14 | 355.6 | 10 3/8 | 257.2 | 8 1/2 | 215.9 | 27 | 12.2 |
| 120 | 2" | 1/8 | 1725 | 240° F ⁽³⁾ | 125 psi | 16 5/8 | 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



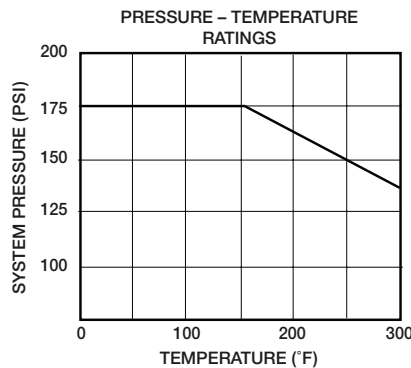
Specifications (121-138 Series)

| MODEL NUMBER ⁽¹⁾ | FLANGE SIZE | MOTOR ⁽²⁾ | | DIMENSIONS | | | | | | | | SHIPPING WEIGHT | | |
|-----------------------------|-------------|---|------|------------|-----|-------|-----|-------|-----|-------|-----|-----------------|------|------|
| | | | | A | | B | | C | | D | | | | |
| | | 60C/AC | 1 PH | RPM | IN. | MM | IN. | MM | IN. | MM | IN. | MM | LBS. | KG |
| 121 | 2½" | ¼ HP, 115 V | | 1725 | 18⅞ | 460.4 | 15⅞ | 403.2 | 14¼ | 362.0 | 11⅞ | 282.6 | 72 | 32.7 |
| 122 | 3" | ¼ HP, 115 V | | 1725 | 18⅞ | 460.4 | 15⅞ | 403.2 | 13⅝ | 346.1 | 11⅞ | 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 | 22⅞ | 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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