



### DRAWINGS

- [Exploded Parts Detail](#)
- [Submittal Drawing](#)

### OPERATION & INSTALLATION MANUALS

- [Motor Replacement Instructions for motors with lugs and isolators \(non wallmount\)](#)
- [Motor With Lugs Replacement Instructions for DR25HTH](#)
- [Operation & Installation Manual](#)
- [Operation & Installation Manual \(Spanish\)](#)
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### ADDITIONAL INFORMATION

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- [Revit Model](#)
- [Frequently Asked Fan Questions](#)
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### CERTIFICATIONS

ThermoTek certifies that Model DR10HTH thru DR360HTH shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests & procedures in accordance with AMCA Publication 211 and Publication 311, and comply with the requirements of the AMCA Certified Rating Program.

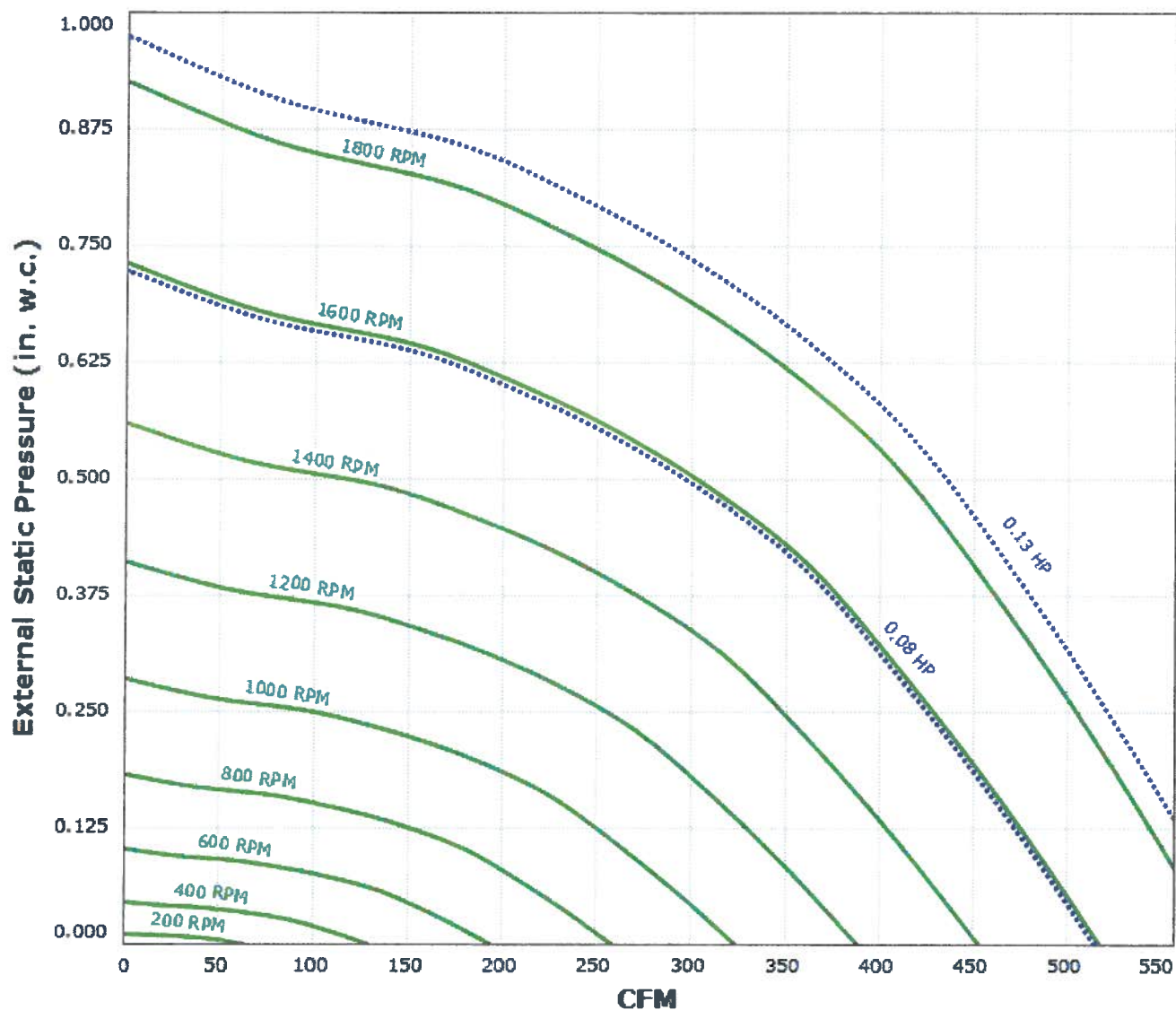
Models DR10HTH thru DR360HTH are ETL Listed under file number 3049729-002 and comply with UL705 (electrical) Standards and CSA Std C22.2, No 113.



Catalog #113T

February 2015

## DR10HTH Performance Curve



**Max Sizeable RPM = 1800 RPM. Curve shown extended beyond this point for reference only.**

Motor 7190-2912 has an rpm range of 1000 to 1550.

Motor M047PWAAE-ECM-50-115 has an rpm range of 350 to 1800.

Motor M047PWAAE-ECM-50-230 has an rpm range of 350 to 1800.

Motor M047PWAAE-ECM-60-115 has an rpm range of 350 to 1800.

Motor M047PWAAE-ECM-60-230 has an rpm range of 350 to 1800.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

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February 2015

**DR10HTH**

| CFM | Static Pressure in Inches W.G. |                    |                    |                    |                    |                    |
|-----|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|     | 0.000                          | 0.125              | 0.250              | 0.375              | 0.500              | 0.625              |
|     | RPM<br>Sone/BHP                | RPM<br>Sone/BHP    | RPM<br>Sone/BHP    | RPM<br>Sone/BHP    | RPM<br>Sone/BHP    | RPM<br>Sone/BHP    |
| 250 | 786<br>1.5 / 0.01              | 1008<br>2.4 / 0.02 | 1196<br>3.7 / 0.03 | 1374<br>5.3 / 0.05 | 1534<br>6.8 / 0.07 | 1678<br>7.7 / 0.09 |
| 300 | 943<br>2.6 / 0.02              | 1132<br>3.5 / 0.03 | 1299<br>4.8 / 0.04 | 1456<br>6.3 / 0.06 | 1604<br>7.4 / 0.08 | 1734<br>8.2 / 0.10 |
| 350 | 1097<br>3.8 / 0.03             | 1268<br>4.9 / 0.04 | 1417<br>6.2 / 0.06 | 1556<br>7.3 / 0.07 | 1683<br>8.1 / 0.09 |                    |
| 400 | 1254<br>5.4 / 0.04             | 1408<br>6.5 / 0.06 | 1538<br>7.5 / 0.07 | 1667<br>8.3 / 0.09 | 1786<br>9.0 / 0.11 |                    |
| 450 | 1411<br>7.1 / 0.06             | 1546<br>8.0 / 0.07 | 1673<br>8.6 / 0.09 | 1786<br>9.3 / 0.11 |                    |                    |
| 500 | 1567<br>8.7 / 0.08             | 1695<br>9.3 / 0.10 |                    |                    |                    |                    |
| 550 | 1724<br>10.1 / 0.10            |                    |                    |                    |                    |                    |

**Max Sizeable RPM = 1800 RPM. Table shown extended beyond this point for reference only.**

Motor 7190-2912 has an rpm range of 1000 to 1550.

Motor M047PWAAE-ECM-50-115 has an rpm range of 350 to 1800.

Motor M047PWAAE-ECM-50-230 has an rpm range of 350 to 1800.

Motor M047PWAAE-ECM-60-115 has an rpm range of 350 to 1800.

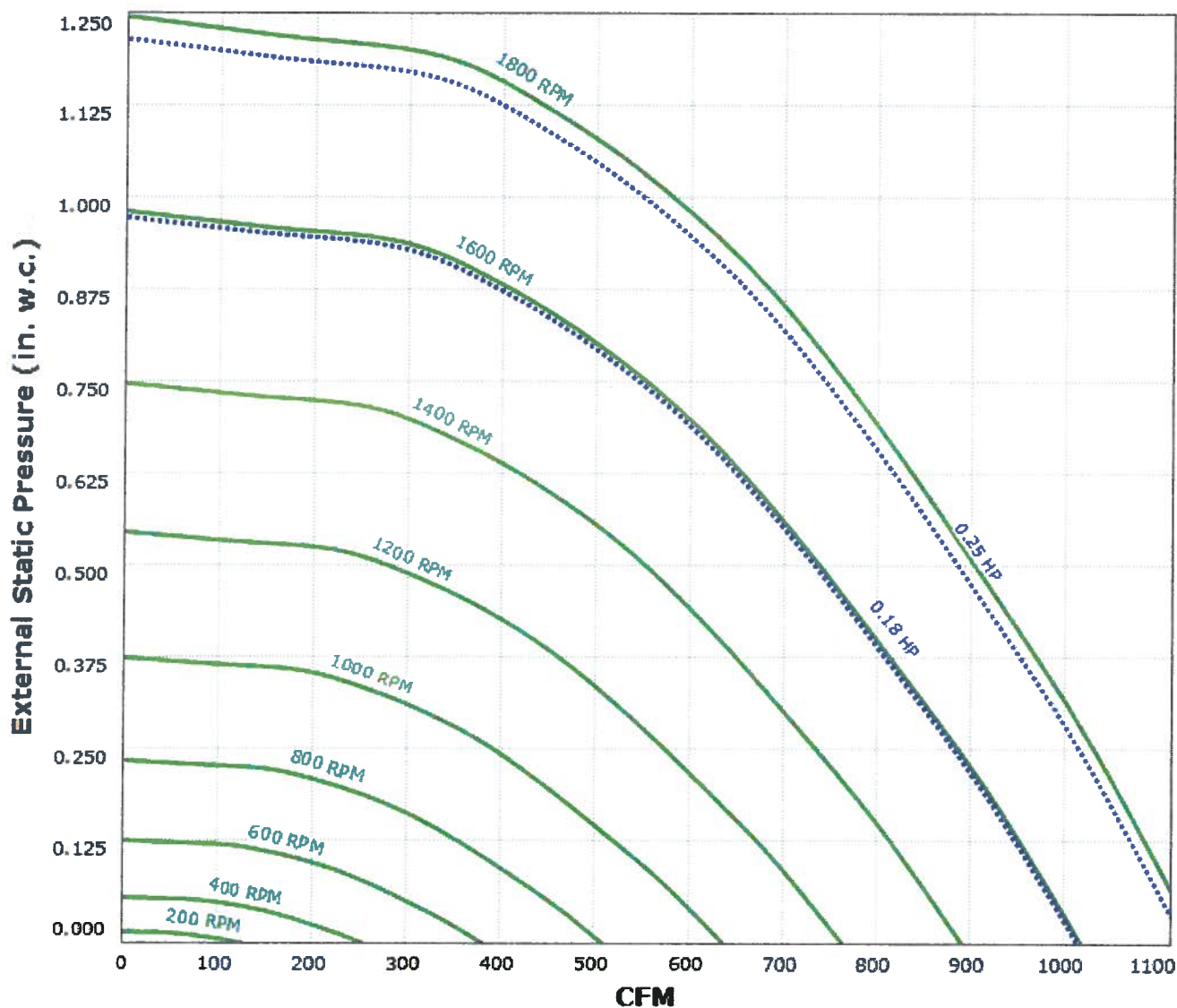
Motor M047PWAAE-ECM-60-230 has an rpm range of 350 to 1800.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

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# DR12HTH Performance Curve



**Max Sizeable RPM = 1800 RPM. Curve shown extended beyond this point for reference only.**

Motor 7185-0293 has an rpm range of 1125 to 1625.

Motor M047PWAAD-ECM-50-115 has an rpm range of 350 to 1800.

Motor M047PWAAD-ECM-50-230 has an rpm range of 350 to 1800.

Motor M047PWAAD-ECM-60-115 has an rpm range of 350 to 1800.

Motor M047PWAAD-ECM-60-230 has an rpm range of 350 to 1800.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

Catalog #113T

February 2015

**DR12HTH**

| CFM  | Static Pressure in Inches W.G. |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|      | 0.000                          | 0.125               | 0.250               | 0.375               | 0.500               | 0.625               | 0.750               | 0.875               | 1.000               | 1.125               |
|      | RPM<br>Sone/BHP                | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     |
| 400  | 639<br>1.7 / 0.01              | 839<br>2.9 / 0.03   | 1000<br>4.1 / 0.04  | 1143<br>5.5 / 0.07  | 1266<br>6.9 / 0.09  | 1384<br>8.3 / 0.12  | 1493<br>9.7 / 0.15  | 1594<br>10.8 / 0.18 | 1688<br>11.8 / 0.21 | 1778<br>12.8 / 0.25 |
| 500  | 797<br>3.1 / 0.02              | 965<br>4.2 / 0.04   | 1109<br>5.2 / 0.06  | 1238<br>6.6 / 0.08  | 1351<br>7.9 / 0.11  | 1458<br>9.3 / 0.14  | 1562<br>10.4 / 0.17 | 1656<br>11.4 / 0.20 | 1748<br>12.4 / 0.24 |                     |
| 600  | 957<br>4.5 / 0.04              | 1101<br>5.6 / 0.06  | 1230<br>6.8 / 0.08  | 1345<br>7.9 / 0.11  | 1449<br>9.2 / 0.14  | 1550<br>10.3 / 0.17 | 1644<br>11.3 / 0.20 | 1734<br>12.2 / 0.23 |                     |                     |
| 700  | 1115<br>6.3 / 0.06             | 1241<br>7.4 / 0.09  | 1357<br>8.6 / 0.11  | 1461<br>9.7 / 0.14  | 1559<br>10.5 / 0.17 | 1655<br>11.4 / 0.20 | 1741<br>12.3 / 0.23 |                     |                     |                     |
| 800  | 1274<br>8.2 / 0.09             | 1384<br>9.4 / 0.12  | 1490<br>10.7 / 0.15 | 1587<br>11.5 / 0.18 | 1677<br>12.2 / 0.21 | 1766<br>12.8 / 0.25 |                     |                     |                     |                     |
| 900  | 1433<br>10.5 / 0.13            | 1533<br>11.6 / 0.16 | 1627<br>12.4 / 0.19 | 1718<br>13.1 / 0.23 |                     |                     |                     |                     |                     |                     |
| 1000 | 1592<br>12.6 / 0.18            | 1684<br>13.4 / 0.21 | 1770<br>14.2 / 0.25 |                     |                     |                     |                     |                     |                     |                     |
| 1100 | 1752<br>14.6 / 0.24            |                     |                     |                     |                     |                     |                     |                     |                     |                     |

**Max Sizeable RPM = 1800 RPM. Table shown extended beyond this point for reference only.**

Motor 7185-0293 has an rpm range of 1125 to 1625.

Motor M047PWAAD-ECM-50-115 has an rpm range of 350 to 1800.

Motor M047PWAAD-ECM-50-230 has an rpm range of 350 to 1800.

Motor M047PWAAD-ECM-60-115 has an rpm range of 350 to 1800.

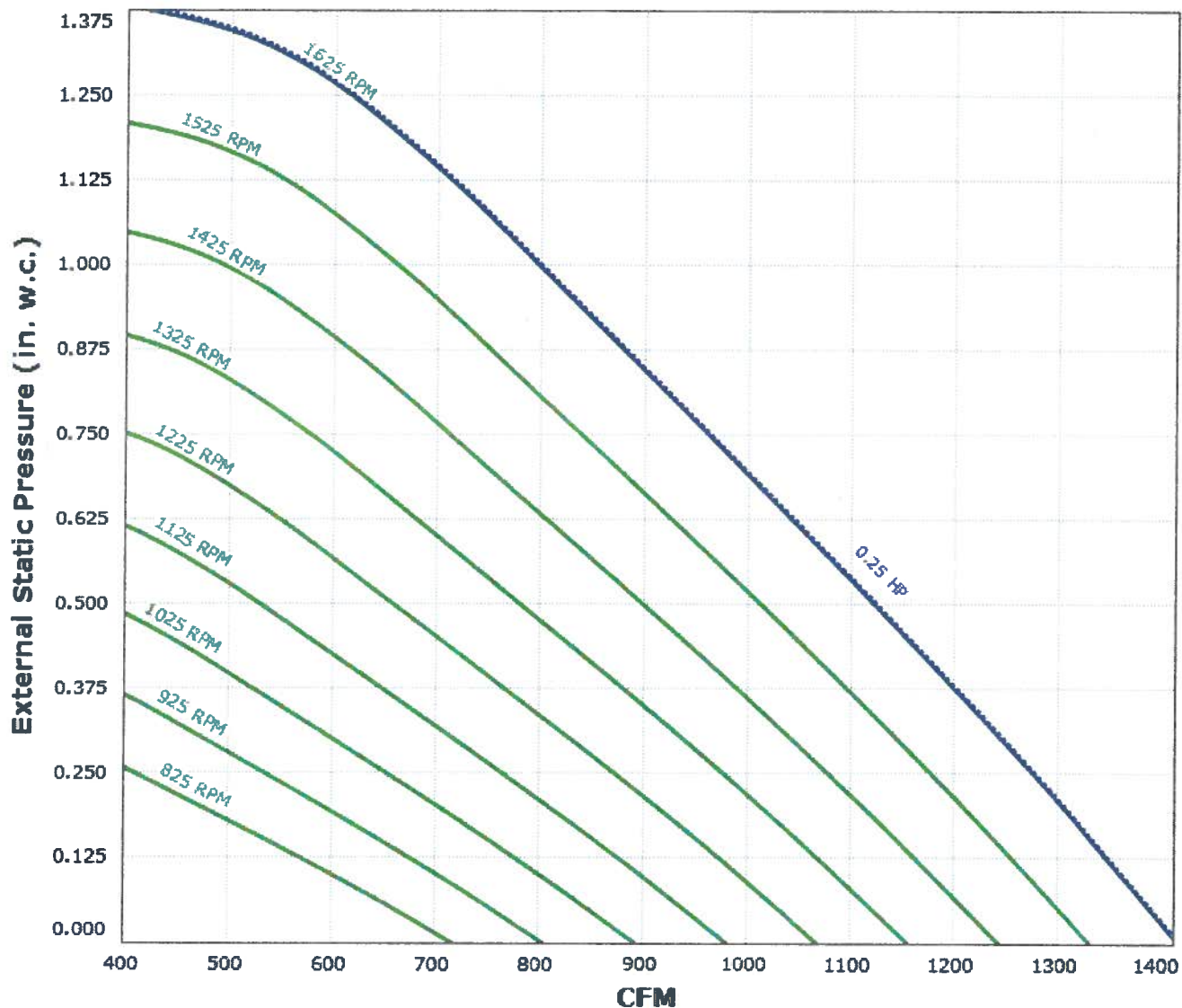
Motor M047PWAAD-ECM-60-230 has an rpm range of 350 to 1800.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

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## DR30HTH Performance Curve



**Max Sizeable RPM = 1625 RPM. Curve shown extended beyond this point for reference only.**

Motor 48A17O11038A has an rpm range of 825 to 1625.

Motor 48A17T11026A has an rpm range of 825 to 1625.

Motor CK48HF24KF01-50-115 has an rpm range of 825 to 1440.

Motor CK48HF24KF01-50-230 has an rpm range of 825 to 1440.

Motor CK48HF24KF01-60-115 has an rpm range of 825 to 1625.

Motor CK48HF24KF01-60-230 has an rpm range of 825 to 1625.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

Catalog #113T

February 2015

**DR30HTH**

| CFM  | Static Pressure in Inches W.G. |                     |                     |                     |                     |                     |                     |                     |
|------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|      | 0.000                          | 0.125               | 0.250               | 0.375               | 0.500               | 0.625               | 0.750               | 0.875               |
|      | RPM<br>Sone/BHP                | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     |
| 800  | 926<br>4.8 / 0.05              | 1051<br>6.1 / 0.07  | 1163<br>7.3 / 0.09  | 1258<br>8.3 / 0.12  | 1345<br>9.4 / 0.14  | 1423<br>10.5 / 0.17 | 1495<br>11.5 / 0.19 | 1566<br>12.6 / 0.22 |
| 900  | 1042<br>6.0 / 0.07             | 1154<br>7.2 / 0.09  | 1257<br>8.3 / 0.12  | 1349<br>9.4 / 0.14  | 1431<br>10.6 / 0.17 | 1508<br>11.7 / 0.20 | 1579<br>12.8 / 0.23 |                     |
| 1000 | 1157<br>7.2 / 0.09             | 1259<br>8.3 / 0.12  | 1355<br>9.5 / 0.14  | 1443<br>10.7 / 0.17 | 1522<br>11.9 / 0.20 | 1595<br>13.0 / 0.24 |                     |                     |
| 1100 | 1273<br>8.5 / 0.12             | 1366<br>9.7 / 0.15  | 1455<br>10.9 / 0.18 | 1538<br>12.2 / 0.21 | 1615<br>13.3 / 0.24 |                     |                     |                     |
| 1200 | 1389<br>10.0 / 0.16            | 1474<br>11.2 / 0.19 | 1556<br>12.4 / 0.22 |                     |                     |                     |                     |                     |
| 1300 | 1505<br>11.6 / 0.20            | 1583<br>12.8 / 0.23 |                     |                     |                     |                     |                     |                     |
| 1400 | 1618<br>13.4 / 0.25            |                     |                     |                     |                     |                     |                     |                     |

**Max Sizeable RPM = 1625 RPM. Table shown extended beyond this point for reference only.**

Motor 48A17O11038A has an rpm range of 825 to 1625.

Motor 48A17T11026A has an rpm range of 825 to 1625.

Motor CK48HF24KF01-50-115 has an rpm range of 825 to 1440.

Motor CK48HF24KF01-50-230 has an rpm range of 825 to 1440.

Motor CK48HF24KF01-60-115 has an rpm range of 825 to 1625.

Motor CK48HF24KF01-60-230 has an rpm range of 825 to 1625.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal.

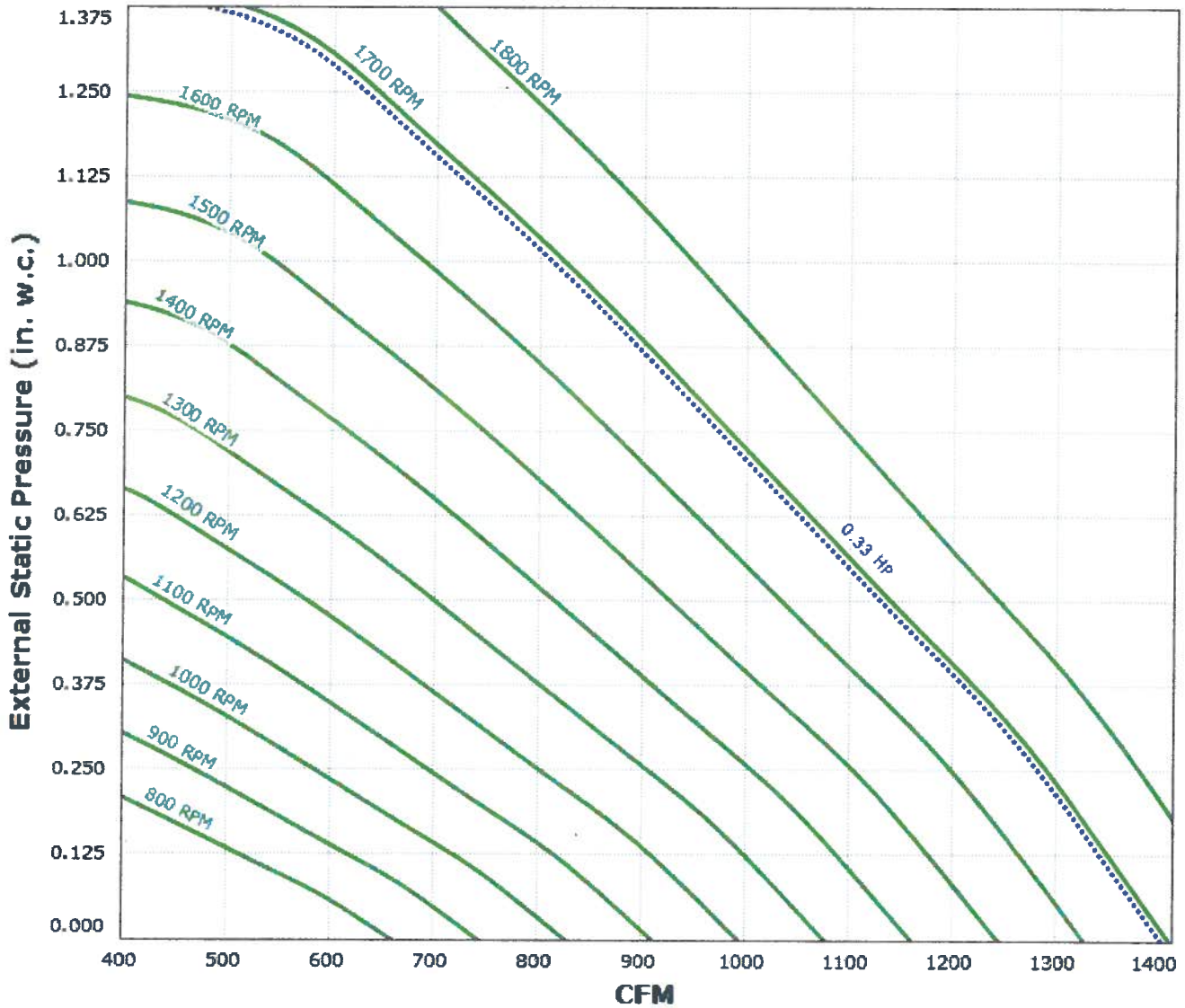
Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

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# DR33HTH Performance Curve



**Max Sizeable RPM = 1800 RPM. Curve shown extended beyond this point for reference only.**

Motor 48A17011036 has an rpm range of 1200 to 1635.

Motor 48A17T11027A has an rpm range of 1200 to 1625.

Motor CK48HF25JF01-50-115 has an rpm range of 1200 to 1350.

Motor CK48HF25JF01-50-230 has an rpm range of 1200 to 1350.

Motor CK48HF25JF01-60-115 has an rpm range of 1200 to 1625.

Motor CK48HF25JF01-60-230 has an rpm range of 1200 to 1625.

Motor M055PWCUN0318-ECM-50-115 has an rpm range of 300 to 1800.

Motor M055PWCUN0318-ECM-50-230 has an rpm range of 300 to 1800.

Motor M055PWCUN0318-ECM-60-115 has an rpm range of 300 to 1800.

Motor M055PWCUN0318-ECM-60-230 has an rpm range of 300 to 1800.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

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**DR33HTH**

| CFM  | Static Pressure in Inches W.G. |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|------|--------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|      | 0.000                          | 0.125             | 0.250             | 0.375             | 0.500             | 0.625             | 0.750             | 0.875             | 1.000             | 1.125             | 1.250             | 1.375             |
|      | RPM<br>Sone/BHP                | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   |
| 400  | 488<br>0.9/0.01                | 696<br>2.6/0.02   | 844<br>4.1/0.04   | 964<br>5.5/0.06   | 1072<br>6.6/0.08  | 1170<br>7.8/0.11  | 1262<br>8.9/0.14  | 1347<br>10.1/0.17 | 1429<br>11.3/0.20 | 1504<br>12.4/0.23 | 1581<br>13.7/0.27 | 1653<br>14.9/0.31 |
| 500  | 609<br>1.9/0.02                | 786<br>3.5/0.03   | 926<br>5.1/0.05   | 1042<br>6.3/0.08  | 1142<br>7.4/0.10  | 1235<br>8.6/0.13  | 1319<br>9.7/0.16  | 1401<br>10.9/0.19 | 1475<br>12.0/0.22 | 1548<br>13.1/0.26 | 1618<br>14.3/0.29 | 1689<br>15.6/0.33 |
| 600  | 731<br>3.0/0.03                | 882<br>4.5/0.05   | 1014<br>6.0/0.07  | 1124<br>7.2/0.10  | 1220<br>8.4/0.12  | 1307<br>9.5/0.15  | 1389<br>10.7/0.18 | 1467<br>11.9/0.22 | 1538<br>13.0/0.25 | 1609<br>14.2/0.29 | 1676<br>15.3/0.32 |                   |
| 700  | 853<br>4.2/0.04                | 983<br>5.7/0.07   | 1106<br>7.0/0.09  | 1211<br>8.3/0.12  | 1304<br>9.5/0.15  | 1389<br>10.7/0.18 | 1468<br>11.9/0.22 | 1538<br>13.0/0.25 | 1609<br>14.2/0.29 | 1675<br>15.3/0.32 |                   |                   |
| 800  | 974<br>5.6/0.06                | 1088<br>6.8/0.09  | 1201<br>8.2/0.12  | 1301<br>9.5/0.15  | 1391<br>10.7/0.19 | 1473<br>12.0/0.22 | 1547<br>13.1/0.26 | 1619<br>14.3/0.29 | 1688<br>15.5/0.33 |                   |                   |                   |
| 900  | 1095<br>6.9/0.09               | 1197<br>8.1/0.12  | 1299<br>9.4/0.15  | 1393<br>10.8/0.19 | 1480<br>12.1/0.22 | 1560<br>13.3/0.26 | 1633<br>14.5/0.30 |                   |                   |                   |                   |                   |
| 1000 | 1217<br>8.4/0.12               | 1307<br>9.5/0.15  | 1401<br>10.9/0.19 | 1490<br>12.3/0.23 | 1572<br>13.5/0.27 | 1650<br>14.9/0.31 |                   |                   |                   |                   |                   |                   |
| 1100 | 1338<br>10.0/0.17              | 1421<br>11.2/0.20 | 1505<br>12.4/0.23 | 1590<br>13.8/0.28 | 1667<br>15.1/0.32 |                   |                   |                   |                   |                   |                   |                   |
| 1200 | 1460<br>11.8/0.21              | 1535<br>12.9/0.25 | 1613<br>14.2/0.29 | 1690<br>15.6/0.33 |                   |                   |                   |                   |                   |                   |                   |                   |
| 1300 | 1582<br>13.7/0.27              | 1650<br>14.9/0.31 |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |

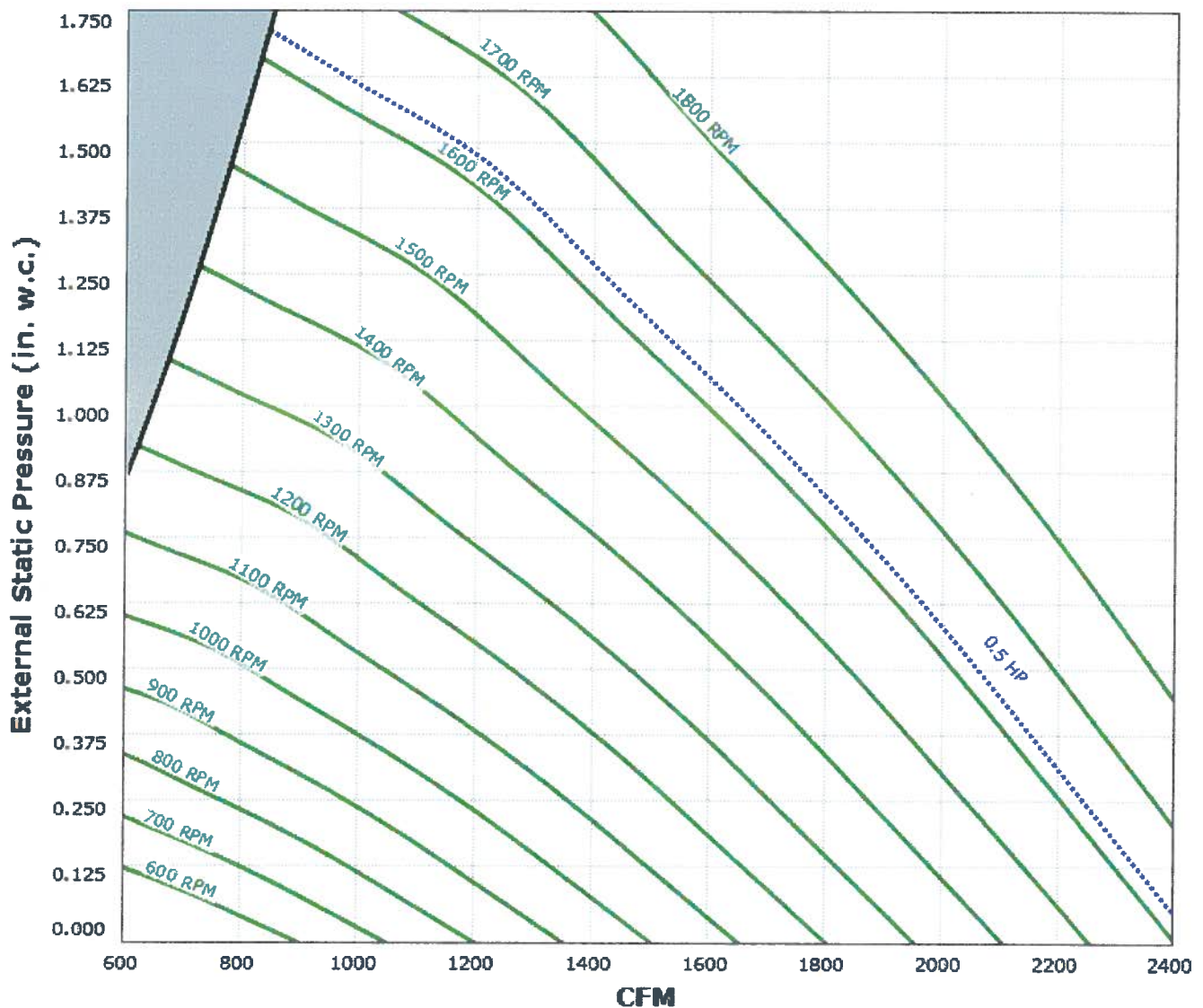
**Max Sizeable RPM = 1800 RPM. Table shown extended beyond this point for reference only.**

- Motor 48A17011036 has an rpm range of 1200 to 1635.
- Motor 48A17T11027A has an rpm range of 1200 to 1625.
- Motor CK48HF25JF01-50-115 has an rpm range of 1200 to 1350.
- Motor CK48HF25JF01-50-230 has an rpm range of 1200 to 1350.
- Motor CK48HF25JF01-60-115 has an rpm range of 1200 to 1625.
- Motor CK48HF25JF01-60-230 has an rpm range of 1200 to 1625.
- Motor M055PWCUN0318-ECM-50-115 has an rpm range of 300 to 1800.
- Motor M055PWCUN0318-ECM-50-230 has an rpm range of 300 to 1800.
- Motor M055PWCUN0318-ECM-60-115 has an rpm range of 300 to 1800.
- Motor M055PWCUN0318-ECM-60-230 has an rpm range of 300 to 1800.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

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## DR50HTH Performance Curve



**Max Sizeable RPM = 1800 RPM. Curve shown extended beyond this point for reference only.**

Motor 48A17011045 has an rpm range of 1150 to 1625.

Motor CK48HF21HF01-50-115 has an rpm range of 1150 to 1425.

Motor CK48HF21HF01-50-230 has an rpm range of 1150 to 1430.

Motor CK48HF21HF01-60-115 has an rpm range of 1150 to 1625.

Motor CK48HF21HF01-60-230 has an rpm range of 1150 to 1670.

Motor M055PWCUM0317-ECM-50-115 has an rpm range of 300 to 1800.

Motor M055PWCUM0317-ECM-50-230 has an rpm range of 300 to 1800.

Motor M055PWCUM0317-ECM-60-115 has an rpm range of 300 to 1800.

Motor M055PWCUM0317-ECM-60-230 has an rpm range of 300 to 1800.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

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**DR50HTH**

| CFM  | Static Pressure in Inches W.G. |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
|------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|      | 0.000                          | 0.125               | 0.250               | 0.375               | 0.500               | 0.625               | 0.750               | 0.875               | 1.000               | 1.125               | 1.250               | 1.375               | 1.500               | 1.625               |
|      | RPM<br>Sone/BHP                | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     | RPM<br>Sone/BHP     |
| 600  | 401<br>0.8 / 0.01              | 580<br>2.5 / 0.02   | 710<br>3.9 / 0.04   | 820<br>5.2 / 0.06   | 916<br>6.4 / 0.09   | 1005<br>7.4 / 0.12  | 1085<br>8.5 / 0.15  | 1161<br>9.6 / 0.18  |                     |                     |                     |                     |                     |                     |
| 800  | 533<br>2.0 / 0.02              | 682<br>3.6 / 0.04   | 798<br>5.0 / 0.06   | 897<br>6.1 / 0.08   | 985<br>7.2 / 0.11   | 1067<br>8.2 / 0.14  | 1143<br>9.3 / 0.17  | 1214<br>10.4 / 0.21 | 1282<br>11.6 / 0.25 | 1347<br>12.7 / 0.28 | 1408<br>13.8 / 0.33 | 1468<br>14.9 / 0.37 | 1524<br>16.0 / 0.41 |                     |
| 1000 | 666<br>3.4 / 0.03              | 792<br>4.9 / 0.06   | 895<br>6.1 / 0.08   | 986<br>7.2 / 0.11   | 1068<br>8.2 / 0.14  | 1144<br>9.3 / 0.17  | 1214<br>10.4 / 0.21 | 1282<br>11.6 / 0.25 | 1346<br>12.7 / 0.28 | 1406<br>13.7 / 0.32 | 1464<br>14.9 / 0.37 | 1522<br>16.0 / 0.41 | 1575<br>17.0 / 0.46 | 1629<br>18.0 / 0.50 |
| 1200 | 798<br>5.0 / 0.06              | 907<br>6.3 / 0.09   | 1001<br>7.3 / 0.12  | 1084<br>8.5 / 0.15  | 1161<br>9.6 / 0.18  | 1231<br>10.7 / 0.22 | 1297<br>11.8 / 0.25 | 1361<br>12.9 / 0.29 | 1420<br>14.0 / 0.33 | 1478<br>15.1 / 0.38 | 1533<br>16.2 / 0.42 | 1587<br>17.2 / 0.47 |                     |                     |
| 1400 | 931<br>6.5 / 0.09              | 1026<br>7.6 / 0.13  | 1112<br>8.9 / 0.16  | 1188<br>10.1 / 0.20 | 1259<br>11.2 / 0.23 | 1325<br>12.3 / 0.27 | 1388<br>13.4 / 0.31 | 1448<br>14.5 / 0.35 | 1504<br>15.6 / 0.40 | 1559<br>16.7 / 0.44 | 1611<br>17.7 / 0.49 |                     |                     |                     |
| 1600 | 1064<br>8.2 / 0.14             | 1149<br>9.4 / 0.18  | 1226<br>10.6 / 0.21 | 1298<br>11.9 / 0.25 | 1364<br>13.0 / 0.30 | 1426<br>14.1 / 0.34 | 1484<br>15.3 / 0.38 | 1541<br>16.3 / 0.43 | 1595<br>17.4 / 0.47 |                     |                     |                     |                     |                     |
| 1800 | 1197<br>10.2 / 0.20            | 1273<br>11.4 / 0.24 | 1344<br>12.6 / 0.28 | 1410<br>13.8 / 0.33 | 1472<br>15.0 / 0.37 | 1531<br>16.1 / 0.42 | 1586<br>17.2 / 0.46 |                     |                     |                     |                     |                     |                     |                     |
| 2000 | 1330<br>12.4 / 0.27            | 1399<br>13.6 / 0.32 | 1464<br>14.9 / 0.37 | 1526<br>16.0 / 0.41 | 1584<br>17.2 / 0.46 |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| 2200 | 1463<br>14.8 / 0.36            | 1524<br>16.0 / 0.41 | 1586<br>17.2 / 0.46 |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |
| 2400 | 1596<br>17.4 / 0.47            |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |

Max Sizeable RPM = 1800 RPM. Table shown extended beyond this point for reference only.

Motor 48A17011045 has an rpm range of 1150 to 1625.

Motor CK48HF21HF01-50-115 has an rpm range of 1150 to 1425.

Motor CK48HF21HF01-50-230 has an rpm range of 1150 to 1430.

Motor CK48HF21HF01-60-115 has an rpm range of 1150 to 1625.

Motor CK48HF21HF01-60-230 has an rpm range of 1150 to 1670.

Motor M055PWCUM0317-ECM-50-115 has an rpm range of 300 to 1800.

Motor M055PWCUM0317-ECM-50-230 has an rpm range of 300 to 1800.

Motor M055PWCUM0317-ECM-60-115 has an rpm range of 300 to 1800.

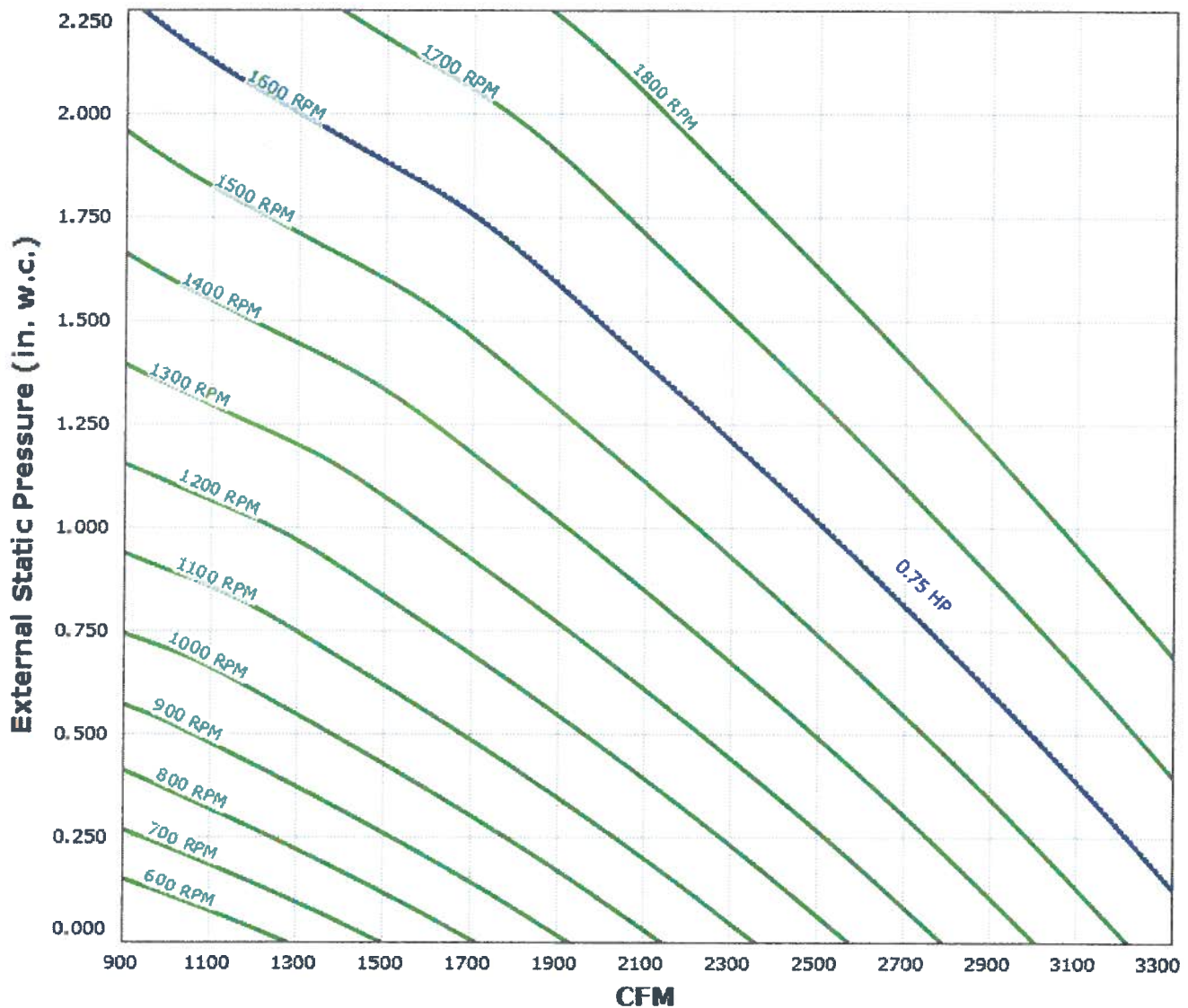
Motor M055PWCUM0317-ECM-60-230 has an rpm range of 300 to 1800.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

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## DR85HTH Performance Curve



**Max Sizeable RPM = 1800 RPM. Curve shown extended beyond this point for reference only.**

Motor 48A17O11039 has an rpm range of 1075 to 1625.

Motor CK48HF15FF01-50-115 has an rpm range of 1075 to 1360.

Motor CK48HF15FF01-50-230 has an rpm range of 1075 to 1400.

Motor CK48HF15FF01-60-115 has an rpm range of 1075 to 1625.

Motor CK48HF15FF01-60-230 has an rpm range of 1075 to 1610.

Motor M055PWCUL0316-ECM-50-115 has an rpm range of 300 to 1800.

Motor M055PWCUL0316-ECM-50-230 has an rpm range of 300 to 1800.

Motor M055PWCUL0316-ECM-60-115 has an rpm range of 300 to 1800.

Motor M055PWCUL0316-ECM-60-230 has an rpm range of 300 to 1800.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories).

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**DR85HTH**

| CFM  | Static Pressure in Inches W.G. |                   |                   |                   |                   |                   |                   |                   |                   |                 |
|------|--------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------|
|      | 0.000                          | 0.250             | 0.500             | 0.750             | 1.000             | 1.250             | 1.500             | 1.750             | 2.000             | 2.250           |
|      | RPM<br>Sone/BHP                | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP   | RPM<br>Sone/BHP |
| 900  | 424<br>1.8/0.01                | 681<br>5.0/0.06   | 856<br>7.5/0.11   | 1000<br>9.5/0.18  | 1125<br>11.6/0.26 | 1236<br>13.7/0.35 | 1339<br>15.9/0.44 | 1431<br>17.9/0.54 | 1518<br>19.8/0.64 | 1599<br>22/0.75 |
| 1100 | 517<br>2.8/0.03                | 747<br>6.0/0.08   | 911<br>8.3/0.14   | 1047<br>10.2/0.21 | 1168<br>12.4/0.29 | 1278<br>14.6/0.38 | 1378<br>16.7/0.48 | 1471<br>18.7/0.58 | 1558<br>21/0.69   |                 |
| 1300 | 611<br>4.0/0.04                | 819<br>7.0/0.10   | 972<br>9.1/0.17   | 1101<br>11.2/0.24 | 1216<br>13.4/0.33 | 1322<br>15.5/0.42 | 1419<br>17.6/0.52 | 1512<br>19.6/0.63 | 1597<br>22/0.74   |                 |
| 1500 | 705<br>5.3/0.06                | 893<br>8.0/0.13   | 1038<br>10.0/0.20 | 1161<br>12.2/0.29 | 1271<br>14.4/0.38 | 1372<br>16.6/0.47 | 1466<br>18.6/0.58 | 1556<br>21/0.69   |                   |                 |
| 1700 | 798<br>6.7/0.09                | 970<br>9.1/0.17   | 1107<br>11.3/0.25 | 1226<br>13.5/0.34 | 1330<br>15.7/0.43 | 1427<br>17.8/0.53 | 1519<br>19.8/0.64 | 1604<br>22/0.75   |                   |                 |
| 1900 | 892<br>8.0/0.13                | 1049<br>10.2/0.21 | 1180<br>12.6/0.30 | 1293<br>14.9/0.39 | 1394<br>17.1/0.50 | 1488<br>19.1/0.60 | 1575<br>21/0.71   |                   |                   |                 |
| 2100 | 986<br>9.3/0.18                | 1130<br>11.7/0.26 | 1254<br>14.1/0.36 | 1363<br>16.4/0.46 | 1460<br>18.5/0.57 | 1551<br>21/0.68   |                   |                   |                   |                 |
| 2300 | 1080<br>10.8/0.23              | 1212<br>13.3/0.33 | 1331<br>15.7/0.43 | 1436<br>18.0/0.54 | 1529<br>20/0.65   |                   |                   |                   |                   |                 |
| 2500 | 1174<br>12.5/0.30              | 1297<br>14.9/0.40 | 1409<br>17.4/0.51 | 1510<br>19.6/0.63 | 1601<br>22/0.75   |                   |                   |                   |                   |                 |
| 2700 | 1268<br>14.4/0.37              | 1382<br>16.8/0.48 | 1488<br>19.1/0.60 | 1585<br>21/0.73   |                   |                   |                   |                   |                   |                 |
| 2900 | 1362<br>16.4/0.46              | 1468<br>18.6/0.58 | 1569<br>21/0.71   |                   |                   |                   |                   |                   |                   |                 |
| 3100 | 1455<br>18.4/0.56              | 1555<br>21/0.69   |                   |                   |                   |                   |                   |                   |                   |                 |
| 3300 | 1549<br>21/0.68                |                   |                   |                   |                   |                   |                   |                   |                   |                 |

**Max Sizeable RPM = 1800 RPM. Table shown extended beyond this point for reference only.**

Motor 48A17O11039 has an rpm range of 1075 to 1625.

Motor CK48HF15FF01-50-115 has an rpm range of 1075 to 1360.

Motor CK48HF15FF01-50-230 has an rpm range of 1075 to 1400.

Motor CK48HF15FF01-60-115 has an rpm range of 1075 to 1625.

Motor CK48HF15FF01-60-230 has an rpm range of 1075 to 1610.

Motor M055PWCUL0316-ECM-50-115 has an rpm range of 300 to 1800.

Motor M055PWCUL0316-ECM-50-230 has an rpm range of 300 to 1800.

Motor M055PWCUL0316-ECM-60-115 has an rpm range of 300 to 1800.

Motor M055PWCUL0316-ECM-60-230 has an rpm range of 300 to 1800.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Speed shown is nominal. Performance is based on actual speed of test. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

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