



#### DRAWINGS

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#### OPERATION & INSTALLATION MANUALS

- [Motor Replacement Instructions for motors with lugs and isolators \(non wallmount\)](#)
- [Motor With Lugs Replacement Instructions for DR25HRA](#)
- [Operation & Installation Manual](#)
- [Operation & Installation Manual \(Spanish\)](#)
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#### ADDITIONAL INFORMATION

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#### CERTIFICATIONS

Rupp Air certifies that Model DR10HRA thru DR360HRA 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 DR10HRA thru DR360HRA are ETL Listed under file number 3049729-002 and comply with UL705 (electrical) Standards and CSA Std C22.2, No 113.



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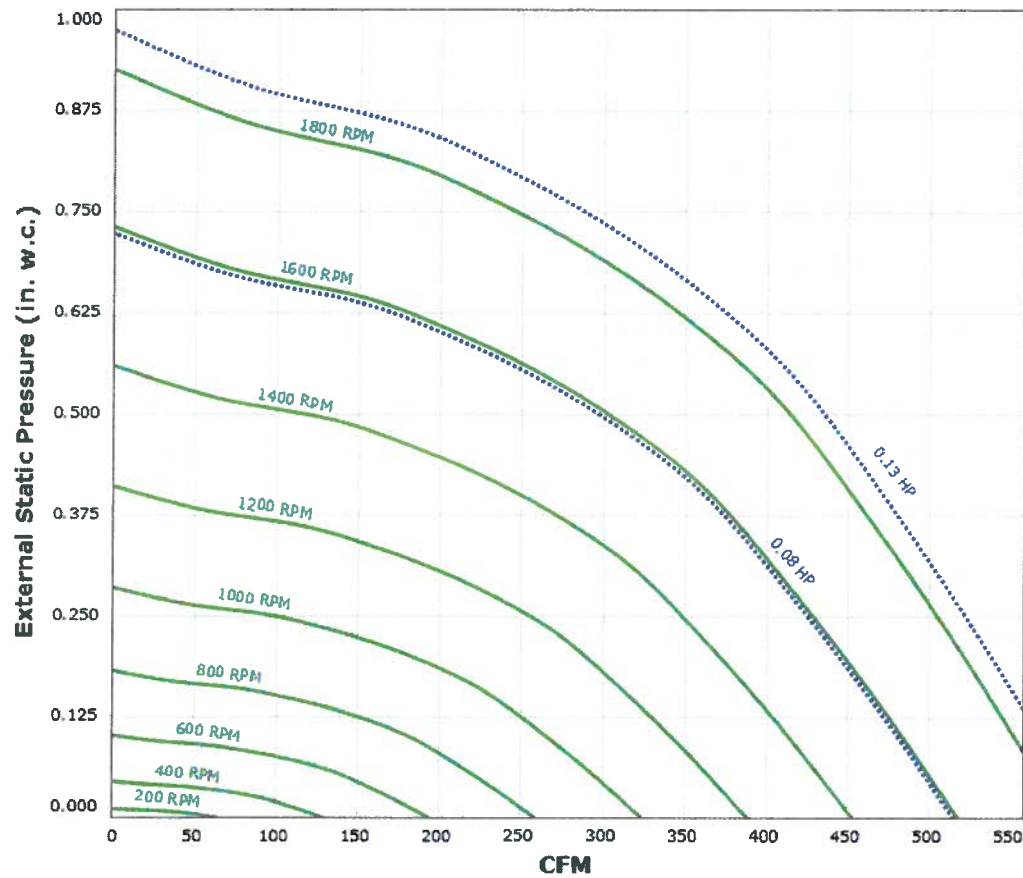
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## DR10HRA Performance Curve



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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[EXHAUST FANS](#)[HEATERS](#)[KITCHEN VENTILATION](#)[MAKE-UP AIR](#)[PRODUCT SUPPORT](#)[CONTACT US](#)**DR10HRA**

CFM	Static Pressure in Inches W.G.					
	0.000	0.125	0.250	0.375	0.500	0.625
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
250	786 1.5 / 0.01	1008 2.4 / 0.02	1196 3.7 / 0.03	1374 5.3 / 0.05	1534 6.8 / 0.07	1678 7.7 / 0.09
300	943 2.6 / 0.02	1132 3.5 / 0.03	1299 4.8 / 0.04	1456 6.3 / 0.06	1604 7.4 / 0.08	1734 8.2 / 0.10
350	1097 3.8 / 0.03	1268 4.9 / 0.04	1417 6.2 / 0.06	1556 7.3 / 0.07	1683 8.1 / 0.09	
400	1254 5.4 / 0.04	1408 6.5 / 0.06	1538 7.5 / 0.07	1667 8.3 / 0.09	1786 9.0 / 0.11	
450	1411 7.1 / 0.06	1546 8.0 / 0.07	1673 8.6 / 0.09	1786 9.3 / 0.11		
500	1567 8.7 / 0.08	1695 9.3 / 0.10				
550	1724 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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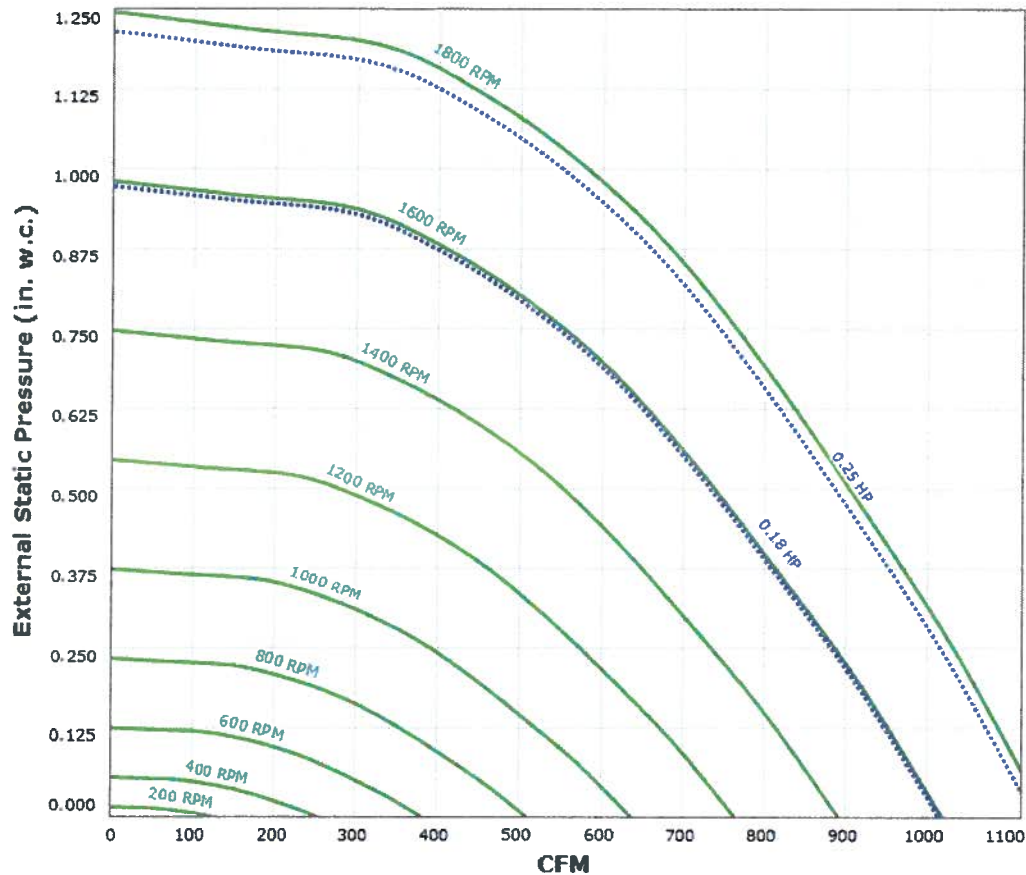
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### DR12HRA Performance Curve



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).

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**DR12HRA**

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 Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
400	639 1.7 / 0.01	839 2.9 / 0.03	1000 4.1 / 0.04	1143 5.5 / 0.07	1266 6.9 / 0.09	1384 8.3 / 0.12	1493 9.7 / 0.15	1594 10.8 / 0.18	1688 11.8 / 0.21	1778 12.8 / 0.25
500	797 3.1 / 0.02	965 4.2 / 0.04	1109 5.2 / 0.06	1238 6.6 / 0.08	1351 7.9 / 0.11	1458 9.3 / 0.14	1562 10.4 / 0.17	1656 11.4 / 0.20	1748 12.4 / 0.24	
600	957 4.5 / 0.04	1101 5.6 / 0.06	1230 6.8 / 0.08	1345 7.9 / 0.11	1449 9.2 / 0.14	1550 10.3 / 0.17	1644 11.3 / 0.20	1734 12.2 / 0.23		
700	1115 6.3 / 0.06	1241 7.4 / 0.09	1357 8.6 / 0.11	1461 9.7 / 0.14	1559 10.5 / 0.17	1655 11.4 / 0.20	1741 12.3 / 0.23			
800	1274 8.2 / 0.09	1384 9.4 / 0.12	1490 10.7 / 0.15	1587 11.5 / 0.18	1677 12.2 / 0.21	1766 12.8 / 0.25				
900	1433 10.5 / 0.13	1533 11.6 / 0.16	1627 12.4 / 0.19	1718 13.1 / 0.23						
1000	1592 12.6 / 0.18	1684 13.4 / 0.21	1770 14.2 / 0.25							
1100	1752 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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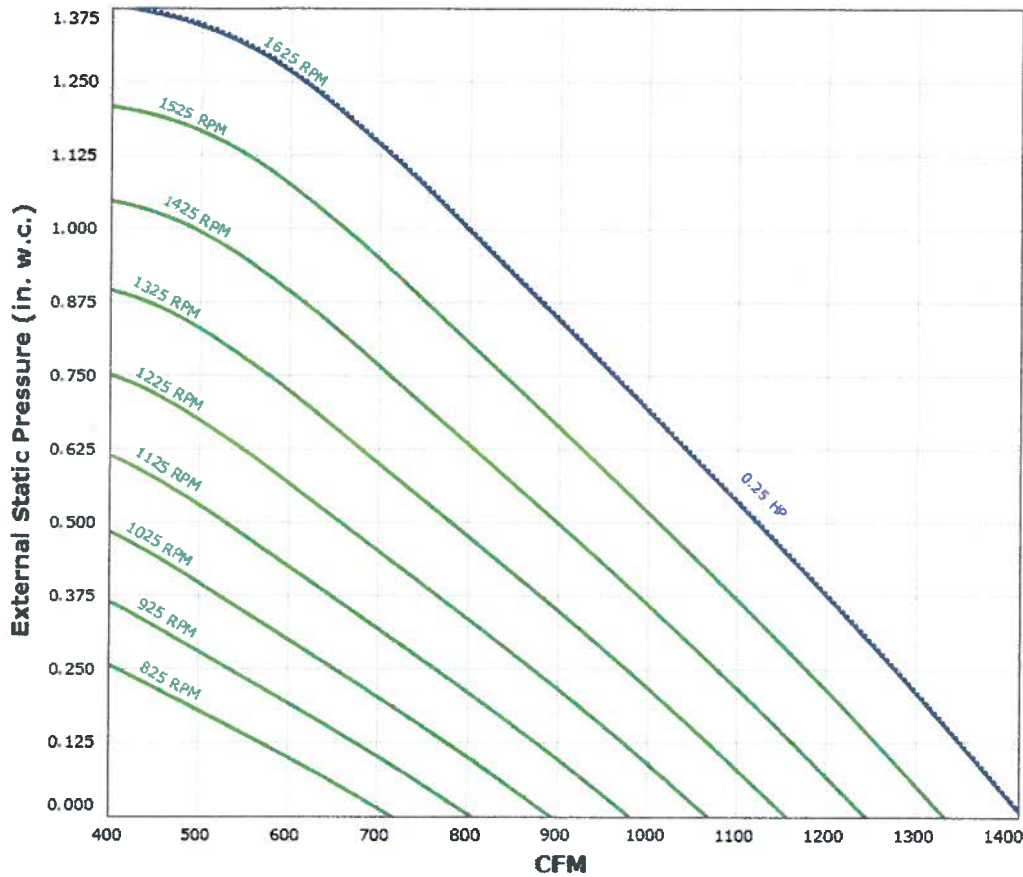
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DR30HRA Performance Curve



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).

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**DR30HRA**

CFM	Static Pressure in Inches W.G.							
	0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
800	926 4.8 / 0.05	1051 6.1 / 0.07	1163 7.3 / 0.09	1258 8.3 / 0.12	1345 9.4 / 0.14	1423 10.5 / 0.17	1495 11.5 / 0.19	1566 12.6 / 0.22
900	1042 6.0 / 0.07	1154 7.2 / 0.09	1257 8.3 / 0.12	1349 9.4 / 0.14	1431 10.6 / 0.17	1508 11.7 / 0.20	1579 12.8 / 0.23	
1000	1157 7.2 / 0.09	1259 8.3 / 0.12	1355 9.5 / 0.14	1443 10.7 / 0.17	1522 11.9 / 0.20	1595 13.0 / 0.24		
1100	1273 8.5 / 0.12	1366 9.7 / 0.15	1455 10.9 / 0.18	1538 12.2 / 0.21	1615 13.3 / 0.24			
1200	1389 10.0 / 0.16	1474 11.2 / 0.19	1556 12.4 / 0.22					
1300	1505 11.6 / 0.20	1583 12.8 / 0.23						
1400	1618 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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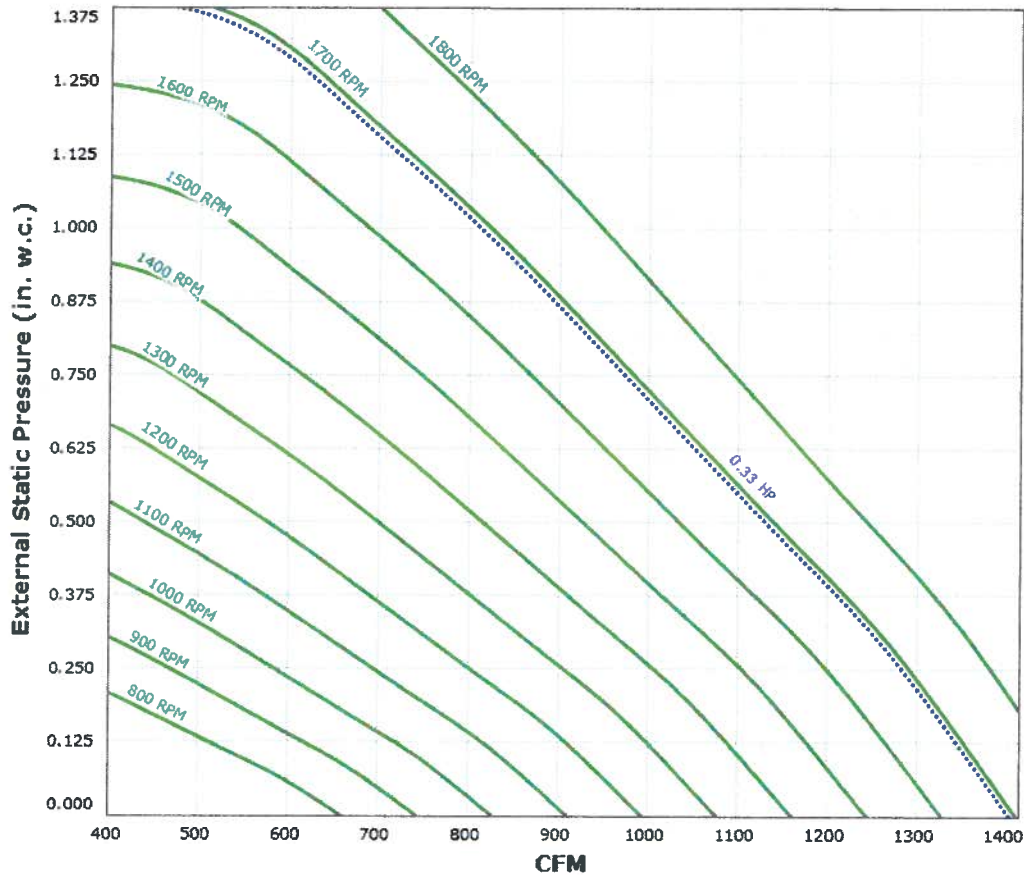
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**DR33HRA Performance Curve**



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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**DR33HRA**

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 Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
400	488 0.9 / 0.01	696 2.6 / 0.02	844 4.1 / 0.04	964 5.5 / 0.06	1072 6.6 / 0.08	1170 7.8 / 0.11	1262 8.9 / 0.14	1347 10.1 / 0.17	1429 11.3 / 0.20	1504 12.4 / 0.23	1581 13.7 / 0.27	1653 14.9 / 0.
500	609 1.9 / 0.02	786 3.5 / 0.03	926 5.1 / 0.05	1042 6.3 / 0.08	1142 7.4 / 0.10	1235 8.6 / 0.13	1319 9.7 / 0.16	1401 10.9 / 0.19	1475 12.0 / 0.22	1548 13.1 / 0.26	1618 14.3 / 0.29	1689 15.6 / 0.
600	731 3.0 / 0.03	882 4.5 / 0.05	1014 6.0 / 0.07	1124 7.2 / 0.10	1220 8.4 / 0.12	1307 9.5 / 0.15	1389 10.7 / 0.18	1467 11.9 / 0.22	1538 13.0 / 0.25	1609 14.2 / 0.29	1676 15.3 / 0.32	
700	853 4.2 / 0.04	983 5.7 / 0.07	1106 7.0 / 0.09	1211 8.3 / 0.12	1304 9.5 / 0.15	1389 10.7 / 0.18	1468 11.9 / 0.22	1538 13.0 / 0.25	1609 14.2 / 0.29	1675 15.3 / 0.32		
800	974 5.6 / 0.06	1088 6.8 / 0.09	1201 8.2 / 0.12	1301 9.5 / 0.15	1391 10.7 / 0.19	1473 12.0 / 0.22	1547 13.1 / 0.26	1619 14.3 / 0.29	1688 15.5 / 0.33			
900	1095 6.9 / 0.09	1197 8.1 / 0.12	1299 9.4 / 0.15	1393 10.8 / 0.19	1480 12.1 / 0.22	1560 13.3 / 0.26	1633 14.5 / 0.30					
1000	1217 8.4 / 0.12	1307 9.5 / 0.15	1401 10.9 / 0.19	1490 12.3 / 0.23	1572 13.5 / 0.27	1650 14.9 / 0.31						
1100	1338 10.0 / 0.17	1421 11.2 / 0.20	1505 12.4 / 0.23	1590 13.8 / 0.28	1667 15.1 / 0.32							
1200	1460 11.8 / 0.21	1535 12.9 / 0.25	1613 14.2 / 0.29	1690 15.6 / 0.33								
1300	1582 13.7 / 0.27	1650 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 30. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

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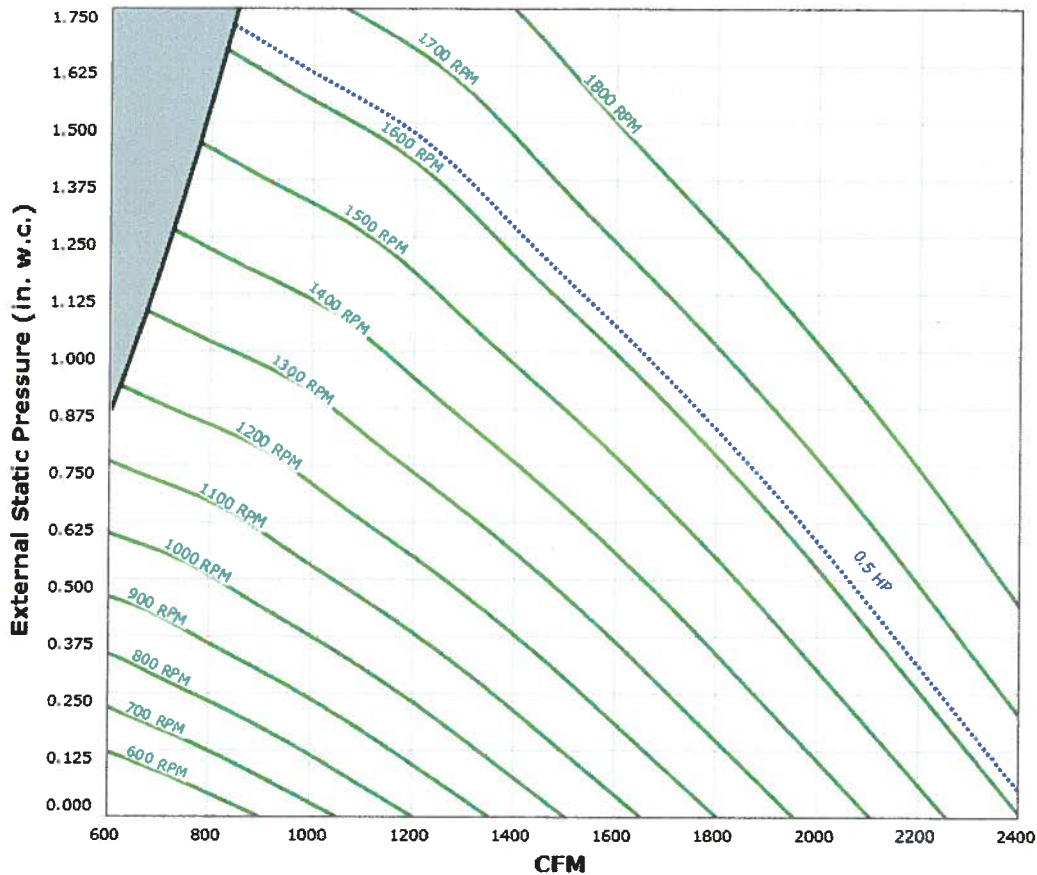
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**DR50HRA Performance Curve**



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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**DR50HRA**

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

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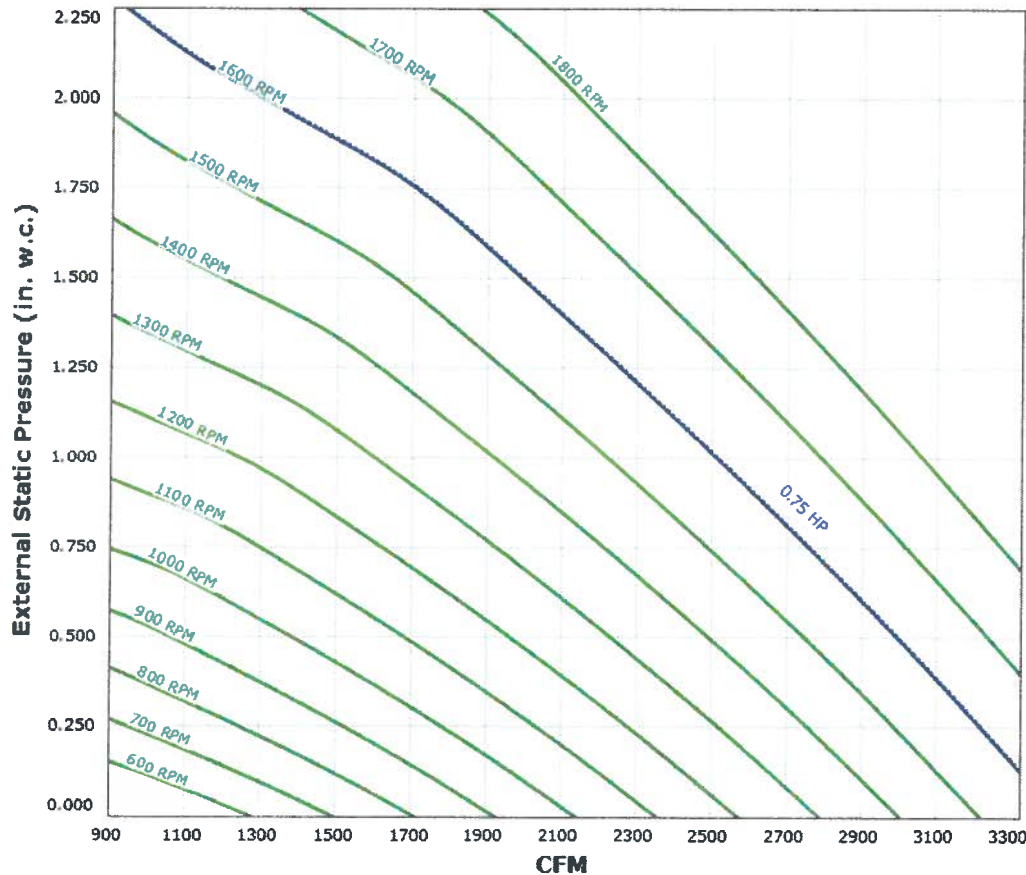
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**DR85HRA Performance Curve**



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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**DR85HRA**

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

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

- Motor 48A17011039 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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