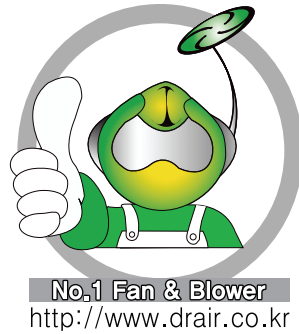


본 제품의 규격은 품질개선을 위하여 예고없이 변경될 수 있으므로 제품구입시 문의 바랍니다.  
Since specifications of products can be changed without inform in order to improve the quality, please call us to confirm them.



자연과 환경, 그리고 사람을 생각하는 브랜드

# DR 환기송풍기 CENTRIFUGAL FAN DR-AFD series

May 2016 (Rev.00)



 **대륜산업주식회사**  
Dae Ryun Ind. Co., Ltd.

본사/공장 565-902 전라북도 완주군 봉동읍 완주산단7로115 (둔산리 926-3번지)  
TEL (063)262-5100 FAX (063)262-5107  
서울사업소 445-862 경기도 화성시 마도면 마도로 608 (청원리 32-1번지)  
TEL (031)8047-5161 FAX (031)8047-5163  
고객서비스센터 1644-5153



 **대륜산업주식회사**  
Dae Ryun Ind. Co., Ltd.

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대륜산업(주)가 획득한 DR-AFD SERIES AIRFOIL FAN의 AMCA seal에 대한 내용입니다. 등급표시는 AMCA 211과 AMCA 311에 의거 테스트 및 절차에 따른 것이며, AMCA 보증프로그램의 요구사항과 일치합니다.

"Dae-Ryun Ind. Co., Ltd." certifies that the "DR-AFD" Airfoil Fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program."



## 형상

IMPELLER AIRFOIL TYPE (역형)

## 특징

- BLADE 단면은 역형을 채용했으므로 익근채내의 공기난류가 적어 소음이 적고 정숙한 운전이 가능
- 고효율이므로 MOTOR 용량이 적어 운전비가 경제적임
- LIMITE LOAD 특성 (일정 회전수 아래에서는 소요동력이 최대점이 있으므로 그 점에서 풍량이 다시 증가해도 소요동력은 증가하지 않고 오히려 감소)이 있으므로 과부하율이 적음
- 50~200mmAq의 비교적 높은 정압으로 설계되었으며 100~150mmAq의 범위에서 최대의 기능을 발휘함

## 용도

- 각종 건축물 송 · 배풍용 보일러 압입, 공기 조화장치, 건조장치 등 일반 산업용으로 널리 사용됨

송풍기 회전방향 (흡입구 측 기준으로 바라본 토출구 위치)

| A   | B   | C   | D   | E   | F   | G   | H   |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 1-W | 2-Z | 3-W | 4-Z | 5-W | 5-Z | 6-W | 6-Z |
|     |     |     |     |     |     |     |     |

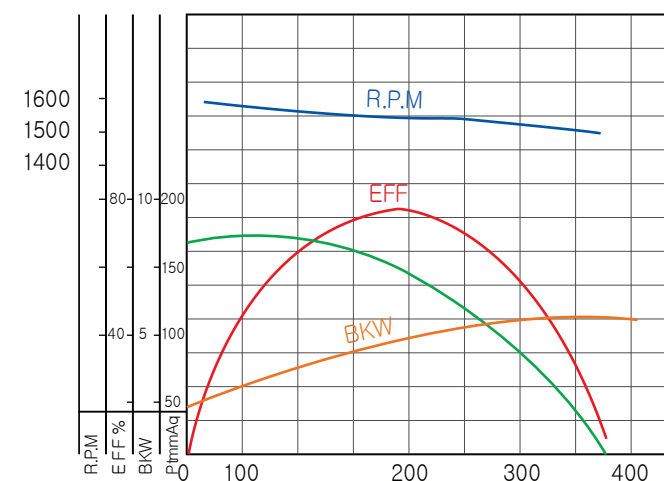
## 송풍기의 모델명 읽는 방법 예시

모 델 명 : DR - AF #3 D D

DR - AF #3 D D

배어링 지지방법 (D: 양지형 / S: 편지형)  
 Single Suction (D: 양흡입형 / S: 편 흡입형)  
 Impeller의 외경등을 6inch로 나눈값 (Fan No.)  
 Fan 기종 (Airfoil Fan)  
 제작회사 표기 (대륜산업의 약자)

## AIRFOIL FAN의 특징



- 압 력곡선은 풍량 20% 상태에서 최고가 되며 이 풍량이하가 서어징 영역이므로 곡선은 안정된 상태를 유지함
- 동 력곡선은 최고 효율점 부근에서 가장 높아진 후 감소하는 리미트 로드 특성이 있음
- 효 율곡선은 극히 좋으며 80%를 상회하기도 하고 운전이 가장 정숙함

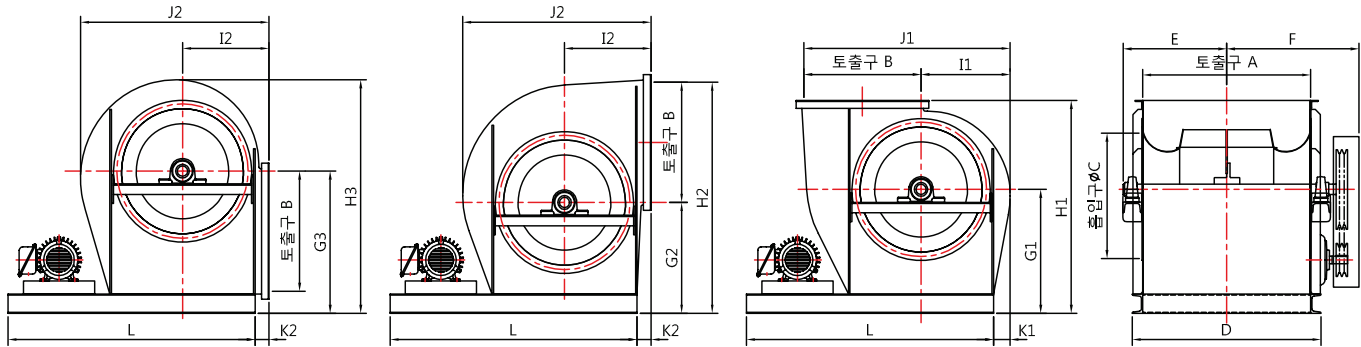


벨트 구동형 에어포일팬 (양흡입)

Belt driven Airfoil Fan

▶ 양흡입 에어포일팬 규격표

외형도



규격표

| MODEL       | 토출구  |     | 흡입구 | FAN 베이스 폭 | FAN 폭 |     | 센터높이 |     |     | FAN 높이 |      |      | FAN 상부 길이 |     |      |      | FAN 베이스 길이 (모터용량에 따라 길이가 변경됨) |    |      |
|-------------|------|-----|-----|-----------|-------|-----|------|-----|-----|--------|------|------|-----------|-----|------|------|-------------------------------|----|------|
|             | A    | B   | C   | D         | E     | F   | G1   | G2  | G3  | H1     | H2   | H3   | I1        | I2  | J1   | J2   | K1                            | K2 | L    |
| DR-AF#2DD   | 440  | 305 | 320 | 520       | 310   | 390 | 335  | 305 | 380 | 575    | 610  | 620  | 240       | 240 | 545  | 510  | 40                            | 40 | 910  |
| DR-AF#2.5DD | 550  | 380 | 400 | 630       | 365   | 445 | 410  | 370 | 465 | 685    | 750  | 760  | 295       | 275 | 675  | 610  | 45                            | 25 | 990  |
| DR-AF#3DD   | 660  | 460 | 480 | 740       | 430   | 540 | 475  | 425 | 545 | 815    | 885  | 895  | 350       | 340 | 810  | 740  | 65                            | 55 | 1170 |
| DR-AF#3.5DD | 770  | 530 | 560 | 850       | 485   | 595 | 545  | 485 | 615 | 935    | 1015 | 1025 | 410       | 390 | 940  | 860  | 75                            | 55 | 1270 |
| DR-AF#4DD   | 880  | 610 | 640 | 960       | 540   | 670 | 610  | 540 | 695 | 1055   | 1150 | 1160 | 465       | 445 | 1075 | 980  | 85                            | 65 | 1410 |
| DR-AF#4.5DD | 990  | 690 | 720 | 1070      | 595   | 735 | 680  | 600 | 775 | 1175   | 1290 | 1300 | 525       | 495 | 1215 | 1100 | 95                            | 65 | 1560 |
| DR-AF#5DD   | 1100 | 760 | 800 | 1180      | 650   | 800 | 745  | 655 | 845 | 1295   | 1415 | 1425 | 580       | 550 | 1340 | 1220 | 100                           | 70 | 1660 |

\*상기 자료는 품질관리를 위해 예고없이 변경될 수 있습니다.

벨트 구동형 에어포일팬 (양흡입)

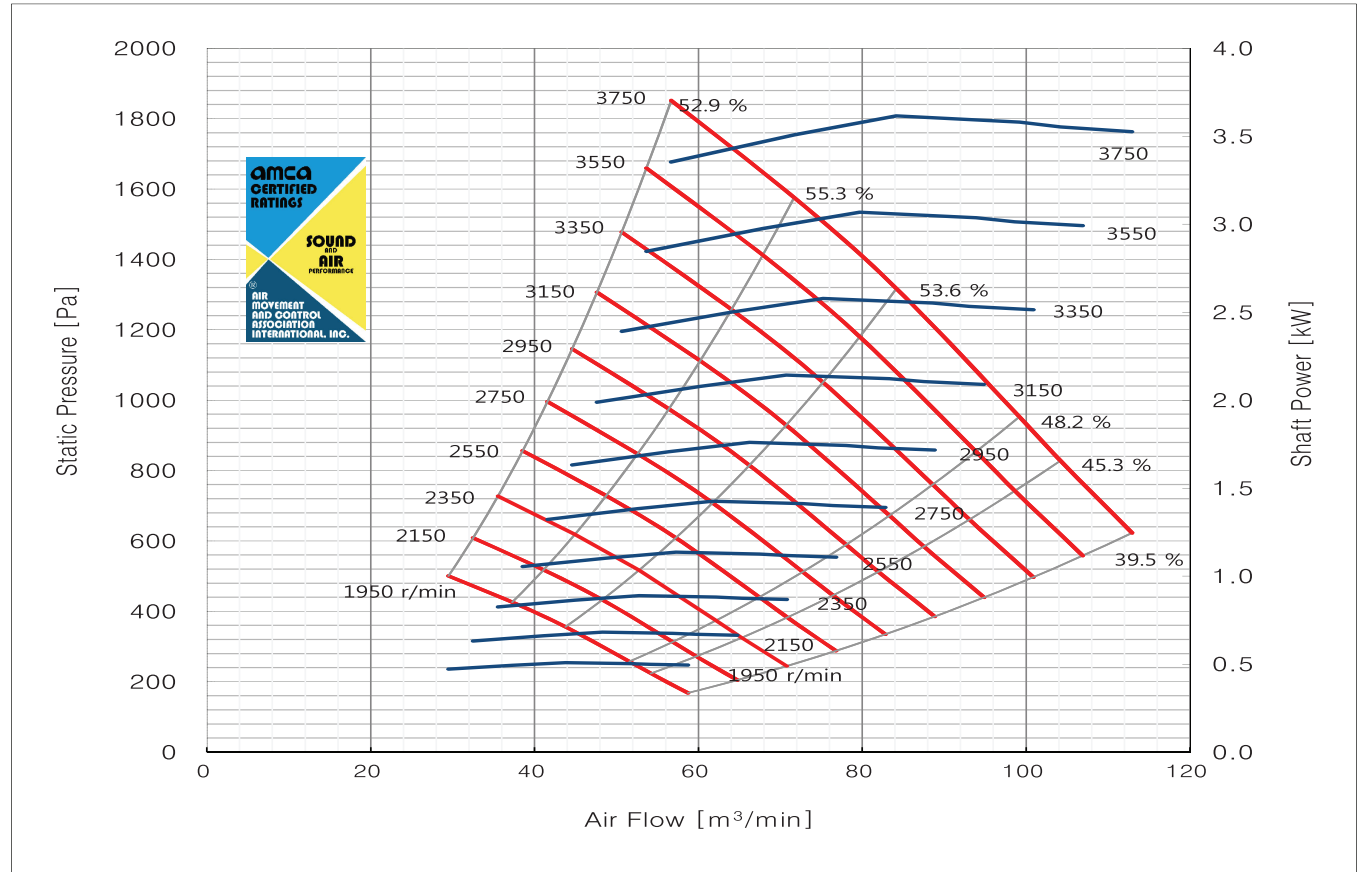
Belt driven Airfoil Fan



성능곡선

| Dae-Ryun Ind. Co., LTD |         |      |      |                     |                           |      |      |      | DR-AFD Series |                                    |      |      |                     |      |      |      |      | Model : DR-AF#2DD |  |  |  |  |  |  |  |  |
|------------------------|---------|------|------|---------------------|---------------------------|------|------|------|---------------|------------------------------------|------|------|---------------------|------|------|------|------|-------------------|--|--|--|--|--|--|--|--|
| Wheel DIA. : 304 mm    |         |      |      |                     | Outlet Dim : 440 X 305 mm |      |      |      |               | Outlet Area : 0.134 m <sup>2</sup> |      |      |                     |      |      |      |      |                   |  |  |  |  |  |  |  |  |
| Det.                   | N       | Pt   | Ps   | Q                   | H                         | EtaT | EtaS | LwiA | Det.          | N                                  | Pt   | Ps   | Q                   | H    | EtaT | EtaS | LwiA |                   |  |  |  |  |  |  |  |  |
|                        | [r/min] | [Pa] | [Pa] | m <sup>3</sup> /min | [kW]                      | [%]  | [%]  | [dB] |               | [r/min]                            | [Pa] | [Pa] | m <sup>3</sup> /min | [kW] | [%]  | [%]  | [dB] |                   |  |  |  |  |  |  |  |  |
| 1                      | 1950    | 204  | 168  | 59                  | 0.50                      | 39.5 | 33.2 | 89   | 1             | 2150                               | 248  | 205  | 64                  | 0.67 | 39.5 | 33.2 | 90   |                   |  |  |  |  |  |  |  |  |
| 2                      |         | 256  | 224  | 54                  | 0.50                      | 45.3 | 40.4 | 88   | 2             |                                    | 311  | 272  | 59                  | 0.67 | 45.3 | 40.4 | 90   |                   |  |  |  |  |  |  |  |  |
| 3                      |         | 287  | 258  | 51                  | 0.51                      | 48.2 | 44.0 | 88   | 3             |                                    | 349  | 313  | 56                  | 0.68 | 48.2 | 44.0 | 90   |                   |  |  |  |  |  |  |  |  |
| 4                      |         | 381  | 356  | 43                  | 0.51                      | 53.6 | 51.0 | 88   | 4             |                                    | 463  | 433  | 48                  | 0.69 | 53.6 | 51.0 | 90   |                   |  |  |  |  |  |  |  |  |
| 5                      |         | 447  | 426  | 37                  | 0.50                      | 55.3 | 53.7 | 88   | 5             |                                    | 543  | 518  | 41                  | 0.67 | 55.3 | 53.7 | 89   |                   |  |  |  |  |  |  |  |  |
| 6                      |         | 518  | 501  | 29                  | 0.48                      | 52.9 | 52.1 | 89   | 6             |                                    | 629  | 609  | 32                  | 0.64 | 52.9 | 52.1 | 90   |                   |  |  |  |  |  |  |  |  |
| 1                      | 2350    | 296  | 245  | 70                  | 0.87                      | 39.5 | 33.2 | 92   | 1             | 2550                               | 349  | 288  | 76                  | 1.11 | 39.5 | 33.2 | 94   |                   |  |  |  |  |  |  |  |  |
| 2                      |         | 371  | 325  | 65                  | 0.88                      | 45.3 | 40.4 | 92   | 2             |                                    | 437  | 383  | 70                  | 1.12 | 45.3 | 40.4 | 93   |                   |  |  |  |  |  |  |  |  |
| 3                      |         | 417  | 374  | 62                  | 0.89                      | 48.2 | 44.0 | 91   | 3             |                                    | 491  | 441  | 67                  | 1.13 | 48.2 | 44.0 | 93   |                   |  |  |  |  |  |  |  |  |
| 4                      |         | 553  | 517  | 52                  | 0.90                      | 53.6 | 51.0 | 91   | 4             |                                    | 651  | 609  | 57                  | 1.14 | 53.6 | 51.0 | 93   |                   |  |  |  |  |  |  |  |  |
| 5                      |         | 649  | 619  | 44                  | 0.87                      | 55.3 | 53.7 | 91   | 5             |                                    | 764  | 729  | 48                  | 1.11 | 55.3 | 53.7 | 92   |                   |  |  |  |  |  |  |  |  |
| 6                      |         | 752  | 727  | 35                  | 0.83                      | 52.9 | 52.1 | 92   | 6             |                                    | 885  | 856  | 38                  | 1.06 | 52.9 | 52.1 | 93   |                   |  |  |  |  |  |  |  |  |
| 1                      | 2750    | 406  | 335  | 82                  | 1.40                      | 39.5 | 33.2 | 95   | 1             | 2950                               | 467  | 386  | 88                  | 1.72 | 39.5 | 33.2 | 97   |                   |  |  |  |  |  |  |  |  |
| 2                      |         | 508  | 445  | 76                  | 1.41                      | 45.3 | 40.4 | 95   | 2             |                                    | 585  | 513  | 81                  | 1.73 | 45.3 | 40.4 | 96   |                   |  |  |  |  |  |  |  |  |
| 3                      |         | 571  | 513  | 72                  | 1.42                      | 48.2 | 44.0 | 95   | 3             |                                    | 658  | 590  | 78                  | 1.75 | 48.2 | 44.0 | 96   |                   |  |  |  |  |  |  |  |  |
| 4                      |         | 757  | 708  | 61                  | 1.43                      | 53.6 | 51.0 | 94   | 4             |                                    | 871  | 815  | 66                  | 1.77 | 53.6 | 51.0 | 95   |                   |  |  |  |  |  |  |  |  |
| 5                      |         | 889  | 848  | 52                  | 1.39                      | 55.3 | 53.7 | 94   | 5             |                                    | 1023 | 975  | 56                  | 1.71 | 55.3 | 53.7 | 95   |                   |  |  |  |  |  |  |  |  |
| 6                      |         | 1030 | 996  | 41                  | 1.33                      | 52.9 | 52.1 | 95   | 6             |                                    | 1185 | 1146 | 44                  | 1.64 | 52.9 | 52.1 | 96   |                   |  |  |  |  |  |  |  |  |
| 1                      | 3150    | 532  | 440  | 94                  | 2.10                      | 39.5 | 33.2 | 98   | 1             | 3350                               | 602  | 497  | 100                 | 2.52 | 39.5 | 33.2 | 99   |                   |  |  |  |  |  |  |  |  |
| 2                      |         | 667  | 584  | 87                  | 2.11                      | 45.3 | 40.4 | 98   | 2             |                                    | 754  | 661  | 93                  | 2.54 | 45.3 | 40.4 | 99   |                   |  |  |  |  |  |  |  |  |
| 3                      |         | 750  | 672  | 83                  | 2.13                      | 48.2 | 44.0 | 97   | 3             |                                    | 848  | 761  | 88                  | 2.56 | 48.2 | 44.0 | 99   |                   |  |  |  |  |  |  |  |  |
| 4                      |         | 993  | 930  | 70                  | 2.15                      | 53.6 | 51.0 | 97   | 4             |                                    | 1123 | 1051 | 75                  | 2.58 | 53.6 | 51.0 | 98   |                   |  |  |  |  |  |  |  |  |
| 5                      |         | 1166 | 1112 | 60                  | 2.08                      | 55.3 | 53.7 | 96   | 5             |                                    | 1319 | 1258 | 64                  | 2.51 | 55.3 | 53.7 | 98   |                   |  |  |  |  |  |  |  |  |
| 6                      |         | 1351 | 1307 | 47                  | 1.99                      | 52.9 | 52.1 | 98   | 6             |                                    | 1528 | 1478 | 50                  | 2.40 | 52.9 | 52.1 | 99   |                   |  |  |  |  |  |  |  |  |
| 1                      | 3550    | 676  | 558  | 106                 | 3.00                      | 39.5 | 33.2 | 101  | 1             | 3750                               | 754  | 623  | 112                 | 3.53 | 39.5 | 33.2 | 107  |                   |  |  |  |  |  |  |  |  |
| 2                      |         | 847  | 742  | 98                  | 3.02                      | 45.3 | 40.4 | 100  | 2             |                                    | 945  | 828  | 104                 | 3.56 | 45.3 | 40.4 | 107  |                   |  |  |  |  |  |  |  |  |
| 3                      |         | 952  | 854  | 93                  | 3.04                      | 48.2 | 44.0 | 100  | 3             |                                    | 1063 | 953  | 99                  | 3.59 | 48.2 | 44.0 | 107  |                   |  |  |  |  |  |  |  |  |
| 4                      |         | 1261 | 1181 | 79                  | 3.07                      | 53.6 | 51.0 | 99   | 4             |                                    | 1407 | 1317 | 84                  | 3.62 | 53.6 | 51.0 | 108  |                   |  |  |  |  |  |  |  |  |
| 5                      |         | 1481 | 1412 | 67                  | 2.98                      | 55.3 | 53.7 | 99   | 5             |                                    | 1653 | 1576 | 71                  | 3.51 | 55.3 | 53.7 | 107  |                   |  |  |  |  |  |  |  |  |
| 6                      |         | 1716 | 1660 | 53                  | 2.85                      | 52.9 | 52.1 | 100  | 6             |                                    | 1915 | 1852 | 56                  | 3.36 | 52.9 | 52.1 | 108  |                   |  |  |  |  |  |  |  |  |

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301.  
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.  
- Performance certified is for installation type B - free inlet, ducted outlet.  
- Performance ratings do not include the effects of apputenances(accessories), Power rating Kw does not include transmission losses



\*상기 자료는 품질관리를 위해 예고없이 변경될 수 있습니다.

벨트 구동형 에어포일팬 (양흡입)

Belt driven Airfoil Fan

성능곡선

Dae-Ryun Ind. Co., LTD

DR-AFD Series

Model : DR-AF#2.5DD

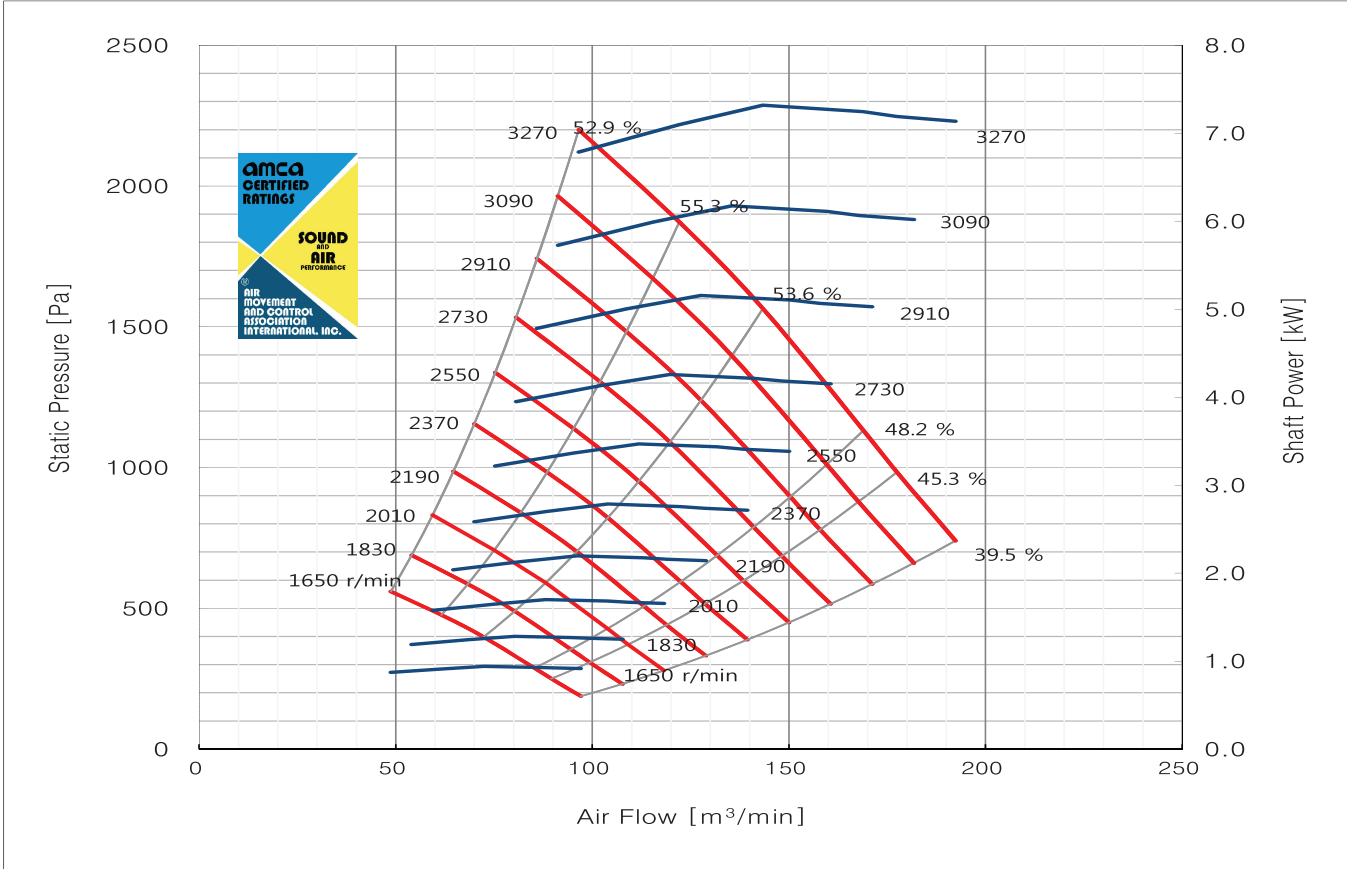
Wheel DIA. : 380 mm

Outlet Dim : 550 X 380 mm

Outlet Area : 0.21 m<sup>2</sup>

| Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] | Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] |
|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|
| 1    | 1650         | 228        | 188        | 97                       | 0.92      | 39.5        | 33.2        | 87           | 1    | 1830         | 281        | 232        | 107                      | 1.26      | 39.5        | 33.2        | 94           |
| 2    |              | 286        | 251        | 89                       | 0.93      | 45.3        | 40.4        | 87           | 2    |              | 352        | 308        | 99                       | 1.27      | 45.3        | 40.4        | 94           |
| 3    |              | 321        | 288        | 85                       | 0.94      | 48.2        | 44.0        | 87           | 3    |              | 395        | 355        | 94                       | 1.27      | 48.2        | 44.0        | 94           |
| 4    |              | 426        | 398        | 72                       | 0.95      | 53.6        | 51.0        | 86           | 4    |              | 524        | 490        | 80                       | 1.29      | 53.6        | 51.0        | 94           |
| 5    |              | 500        | 477        | 61                       | 0.92      | 55.3        | 53.7        | 85           | 5    |              | 615        | 586        | 68                       | 1.25      | 55.3        | 53.7        | 93           |
| 6    |              | 579        | 560        | 48                       | 0.88      | 52.9        | 52.1        | 86           | 6    |              | 712        | 689        | 54                       | 1.19      | 52.9        | 52.1        | 94           |
| 1    | 2010         | 339        | 280        | 118                      | 1.66      | 39.5        | 33.2        | 96           | 1    | 2190         | 402        | 332        | 128                      | 2.15      | 39.5        | 33.2        | 98           |
| 2    |              | 424        | 372        | 109                      | 1.67      | 45.3        | 40.4        | 96           | 2    |              | 504        | 441        | 118                      | 2.17      | 45.3        | 40.4        | 97           |
| 3    |              | 477        | 428        | 103                      | 1.69      | 48.2        | 44.0        | 95           | 3    |              | 566        | 508        | 113                      | 2.18      | 48.2        | 44.0        | 97           |
| 4    |              | 632        | 591        | 88                       | 1.70      | 53.6        | 51.0        | 96           | 4    |              | 750        | 702        | 96                       | 2.20      | 53.6        | 51.0        | 97           |
| 5    |              | 742        | 708        | 75                       | 1.65      | 55.3        | 53.7        | 95           | 5    |              | 881        | 840        | 81                       | 2.14      | 55.3        | 53.7        | 96           |
| 6    |              | 860        | 831        | 59                       | 1.58      | 52.9        | 52.1        | 96           | 6    |              | 1020       | 987        | 64                       | 2.04      | 52.9        | 52.1        | 97           |
| 1    | 2370         | 471        | 389        | 139                      | 2.72      | 39.5        | 33.2        | 99           | 1    | 2550         | 545        | 450        | 149                      | 3.39      | 39.5        | 33.2        | 100          |
| 2    |              | 590        | 517        | 128                      | 2.74      | 45.3        | 40.4        | 99           | 2    |              | 683        | 598        | 138                      | 3.41      | 45.3        | 40.4        | 100          |
| 3    |              | 663        | 595        | 122                      | 2.76      | 48.2        | 44.0        | 98           | 3    |              | 768        | 689        | 131                      | 3.44      | 48.2        | 44.0        | 100          |
| 4    |              | 878        | 822        | 103                      | 2.79      | 53.6        | 51.0        | 98           | 4    |              | 1017       | 952        | 111                      | 3.48      | 53.6        | 51.0        | 100          |
| 5    |              | 1031       | 984        | 88                       | 2.71      | 55.3        | 53.7        | 98           | 5    |              | 1194       | 1139       | 95                       | 3.37      | 55.3        | 53.7        | 99           |
| 6    |              | 1195       | 1156       | 69                       | 2.59      | 52.9        | 52.1        | 99           | 6    |              | 1383       | 1338       | 75                       | 3.22      | 52.9        | 52.1        | 100          |
| 1    | 2730         | 625        | 516        | 160                      | 4.16      | 39.5        | 33.2        | 102          | 1    | 2910         | 710        | 586        | 171                      | 5.03      | 39.5        | 33.2        | 103          |
| 2    |              | 783        | 686        | 148                      | 4.19      | 45.3        | 40.4        | 102          | 2    |              | 889        | 779        | 157                      | 5.07      | 45.3        | 40.4        | 103          |
| 3    |              | 880        | 789        | 141                      | 4.22      | 48.2        | 44.0        | 101          | 3    |              | 1000       | 897        | 150                      | 5.11      | 48.2        | 44.0        | 102          |
| 4    |              | 1165       | 1091       | 119                      | 4.26      | 53.6        | 51.0        | 101          | 4    |              | 1324       | 1239       | 127                      | 5.16      | 53.6        | 51.0        | 102          |
| 5    |              | 1369       | 1305       | 101                      | 4.14      | 55.3        | 53.7        | 100          | 5    |              | 1555       | 1483       | 108                      | 5.01      | 55.3        | 53.7        | 101          |
| 6    |              | 1586       | 1534       | 80                       | 3.95      | 52.9        | 52.1        | 101          | 6    |              | 1802       | 1742       | 85                       | 4.79      | 52.9        | 52.1        | 103          |
| 1    | 3090         | 800        | 661        | 181                      | 6.03      | 39.5        | 33.2        | 104          | 1    | 3270         | 896        | 740        | 192                      | 7.14      | 39.5        | 33.2        | 105          |
| 2    |              | 1003       | 879        | 167                      | 6.07      | 45.3        | 40.4        | 104          | 2    |              | 1123       | 984        | 177                      | 7.20      | 45.3        | 40.4        | 105          |
| 3    |              | 1127       | 1011       | 159                      | 6.12      | 48.2        | 44.0        | 104          | 3    |              | 1262       | 1132       | 168                      | 7.25      | 48.2        | 44.0        | 105          |
| 4    |              | 1493       | 1398       | 135                      | 6.18      | 53.6        | 51.0        | 103          | 4    |              | 1672       | 1565       | 143                      | 7.32      | 53.6        | 51.0        | 104          |
| 5    |              | 1753       | 1672       | 115                      | 6.00      | 55.3        | 53.7        | 103          | 5    |              | 1963       | 1873       | 122                      | 7.10      | 55.3        | 53.7        | 104          |
| 6    |              | 2031       | 1965       | 91                       | 5.73      | 52.9        | 52.1        | 104          | 6    |              | 2275       | 2200       | 96                       | 6.79      | 52.9        | 52.1        | 105          |

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating Kw does not include transmission losses



\*상기 자료는 품질관리를 위해 예고없이 변경될 수 있습니다.



벨트 구동형 에어포일팬 (양흡입)

Belt driven Airfoil Fan

성능곡선

Dae-Ryun Ind. Co., LTD

DR-AFD Series

Model : DR-AF#3DD

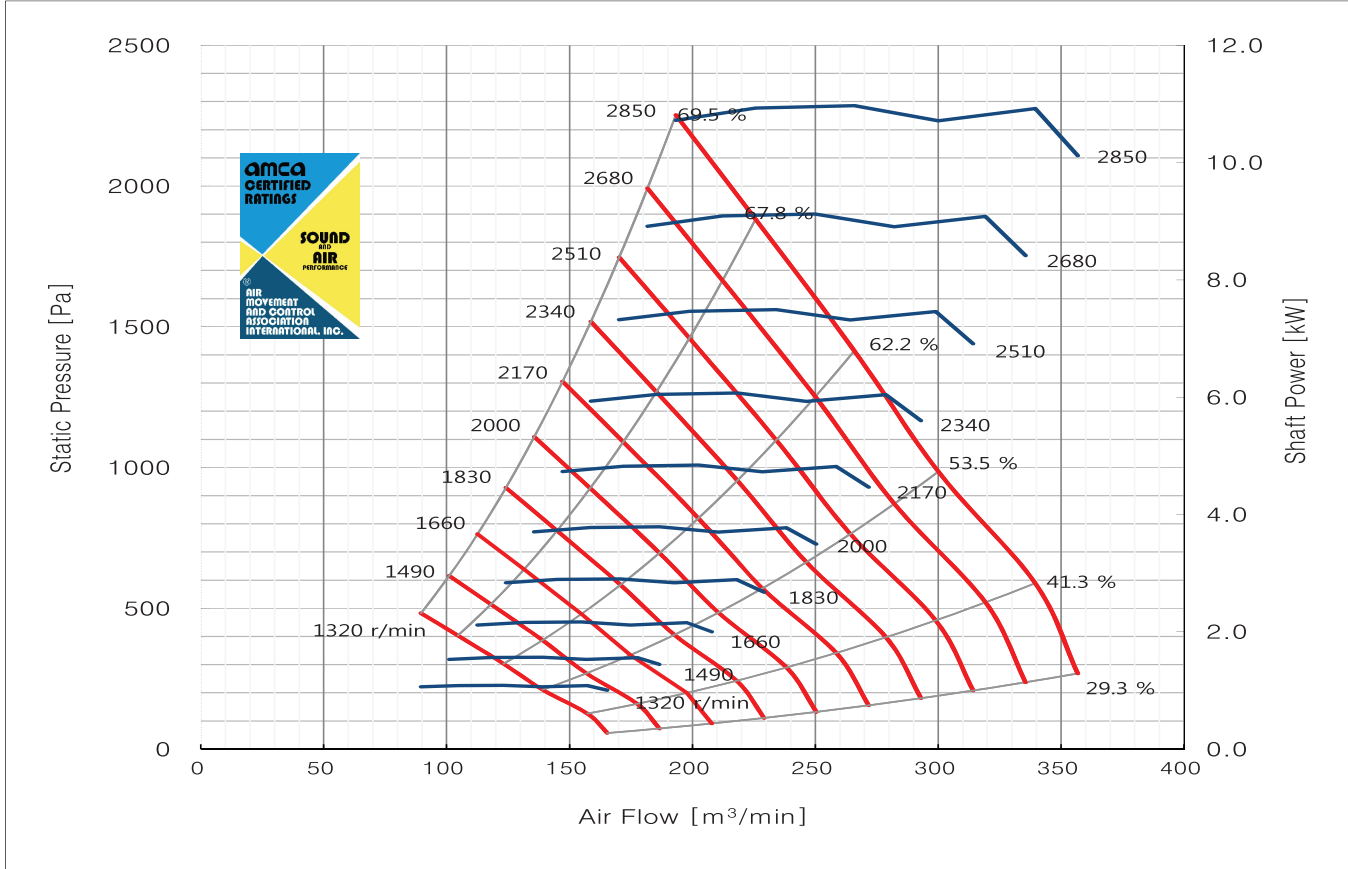
Wheel DIA. : 456 mm

Outlet Dim : 660 X 460 mm

Outlet Area : 0.302 m<sup>2</sup>

| Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] | Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] |
|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|
| 1    | 1320         | 109        | 58         | 165                      | 1.01      | 29.3        | 15.8        | 88           | 1    | 1490         | 139        | 73         | 186                      | 1.45      | 29.3        | 15.8        | 91           |
| 2    |              | 174        | 126        | 157                      | 1.09      | 41.3        | 30.5        | 87           | 2    |              | 222        | 161        | 177                      | 1.57      | 41.3        | 30.5        | 90           |
| 3    |              | 251        | 211        | 138                      | 1.07      | 53.5        | 45.9        | 87           | 3    |              | 319        | 269        | 156                      | 1.54      | 53.5        | 45.9        | 89           |
| 4    |              | 337        | 304        | 123                      | 1.10      | 62.2        | 57.1        | 84           | 4    |              | 429        | 387        | 138                      | 1.57      | 62.2        | 57.1        | 87           |
| 5    |              | 431        | 404        | 104                      | 1.09      | 67.8        | 64.6        | 83           | 5    |              | 549        | 515        | 117                      | 1.57      | 67.8        | 64.6        | 86           |
| 6    |              | 506        | 483        | 89                       | 1.07      | 69.5        | 67.5        | 83           | 6    |              | 645        | 616        | 101                      | 1.54      | 69.5        | 67.5        | 86           |
| 1    | 1660         | 172        | 91         | 207                      | 2.01      | 29.3        | 15.8        | 94           | 1    | 1830         | 209        | 111        | 229                      | 2.68      | 29.3        | 15.8        | 98           |
| 2    |              | 275        | 200        | 197                      | 2.16      | 41.3        | 30.5        | 93           | 2    |              | 335        | 243        | 217                      | 2.90      | 41.3        | 30.5        | 97           |
| 3    |              | 396        | 334        | 174                      | 2.12      | 53.5        | 45.9        | 92           | 3    |              | 482        | 406        | 192                      | 2.84      | 53.5        | 45.9        | 96           |
| 4    |              | 533        | 480        | 154                      | 2.17      | 62.2        | 57.1        | 90           | 4    |              | 647        | 584        | 170                      | 2.91      | 62.2        | 57.1        | 94           |
| 5    |              | 681        | 639        | 131                      | 2.17      | 67.8        | 64.6        | 89           | 5    |              | 828        | 776        | 144                      | 2.90      | 67.8        | 64.6        | 94           |
| 6    |              | 801        | 764        | 112                      | 2.12      | 69.5        | 67.5        | 88           | 6    |              | 973        | 929        | 124                      | 2.84      | 69.5        | 67.5        | 94           |
| 1    | 2000         | 250        | 132        | 250                      | 3.50      | 29.3        | 15.8        | 100          | 1    | 2170         | 294        | 156        | 271                      | 4.47      | 29.3        | 15.8        | 102          |
| 2    |              | 400        | 290        | 238                      | 3.78      | 41.3        | 30.5        | 99           | 2    |              | 470        | 342        | 258                      | 4.83      | 41.3        | 30.5        | 101          |
| 3    |              | 575        | 485        | 210                      | 3.71      | 53.5        | 45.9        | 98           | 3    |              | 677        | 571        | 228                      | 4.73      | 53.5        | 45.9        | 100          |
| 4    |              | 773        | 697        | 186                      | 3.80      | 62.2        | 57.1        | 96           | 4    |              | 910        | 821        | 202                      | 4.85      | 62.2        | 57.1        | 98           |
| 5    |              | 989        | 927        | 158                      | 3.78      | 67.8        | 64.6        | 96           | 5    |              | 1165       | 1091       | 171                      | 4.83      | 67.8        | 64.6        | 97           |
| 6    |              | 1163       | 1109       | 135                      | 3.71      | 69.5        | 67.5        | 96           | 6    |              | 1369       | 1306       | 147                      | 4.74      | 69.5        | 67.5        | 98           |
| 1    | 2340         | 342        | 181        | 292                      | 5.61      | 29.3        | 15.8        | 104          | 1    | 2510         | 394        | 208        | 314                      | 6.92      | 29.3        | 15.8        | 105          |
| 2    |              | 547        | 397        | 278                      | 6.05      | 41.3        | 30.5        | 102          | 2    |              | 629        | 457        | 298                      | 7.47      | 41.3        | 30.5        | 104          |
| 3    |              | 787        | 664        | 246                      | 5.93      | 53.5        | 45.9        | 102          | 3    |              | 906        | 764        | 264                      | 7.32      | 53.5        | 45.9        | 104          |
| 4    |              | 1058       | 954        | 218                      | 6.08      | 62.2        | 57.1        | 100          | 4    |              | 1218       | 1098       | 234                      | 7.50      | 62.2        | 57.1        | 102          |
| 5    |              | 1354       | 1269       | 185                      | 6.06      | 67.8        | 64.6        | 99           | 5    |              | 1558       | 1460       | 198                      | 7.47      | 67.8        | 64.6        | 101          |
| 6    |              | 1591       | 1519       | 158                      | 5.94      | 69.5        | 67.5        | 100          | 6    |              | 1831       | 1747       | 170                      | 7.33      | 69.5        | 67.5        | 101          |
| 1    | 2680         | 449        | 238        | 335                      | 8.42      | 29.3        | 15.8        | 107          | 1    | 2850         | 508        | 269        | 356                      | 10.13     | 29.3        | 15.8        | 108          |
| 2    |              | 718        | 521        | 319                      | 9.09      | 41.3        | 30.5        | 106          | 2    |              | 811        | 590        | 339                      | 10.93     | 41.3        | 30.5        | 107          |
| 3    |              | 1033       | 872        | 282                      | 8.91      | 53.5        | 45.9        | 105          | 3    |              | 1168       | 986        | 299                      | 10.72     | 53.5        | 45.9        | 107          |
| 4    |              | 1388       | 1252       | 249                      | 9.13      | 62.2        | 57.1        | 103          | 4    |              | 1570       | 1416       | 265                      | 10.98     | 62.2        | 57.1        | 105          |
| 5    |              | 1776       | 1665       | 212                      | 9.09      | 67.8        | 64.6        | 102          | 5    |              | 2009       | 1882       | 225                      | 10.94     | 67.8        | 64.6        | 104          |
| 6    |              | 2087       | 1992       | 181                      | 8.92      | 69.5        | 67.5        | 102          | 6    |              | 2361       | 2253       | 193                      | 10.73     | 69.5        | 67.5        | 104          |

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating Kw does not include transmission losses



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벨트 구동형 에어포일팬 (양흡입)

Belt driven Airfoil Fan

성능곡선

Dae-Ryun Ind. Co., LTD

DR-AFD Series

Model : DR-AF#3.5DD

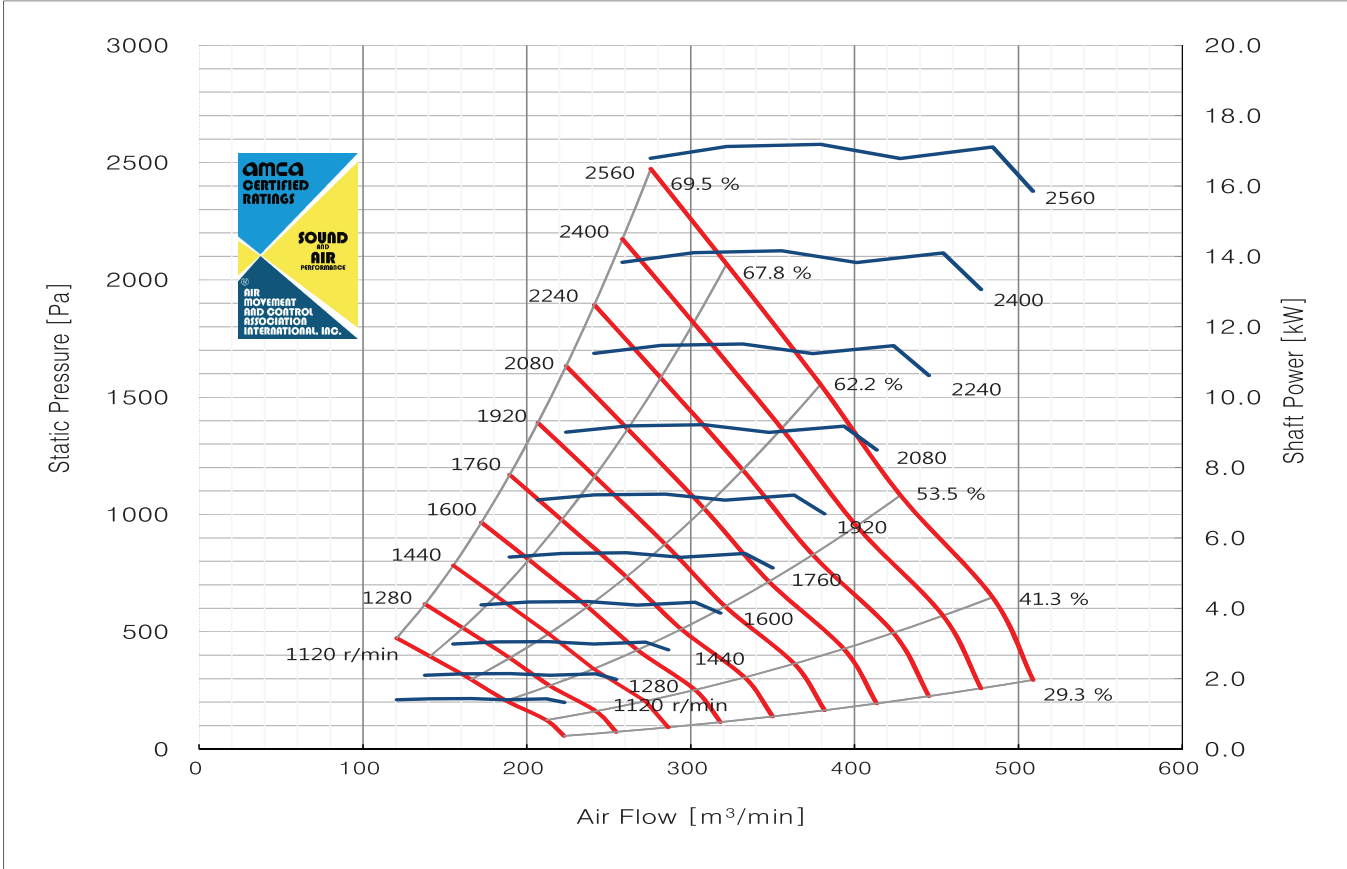
Wheel DIA. : 532 mm

Outlet Dim : 770 X 535 mm

Outlet Area : 0.411 m<sup>2</sup>

| Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] | Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] |
|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|
| 1    | 1120         | 107        | 56         | 223                      | 1.33      | 29.3        | 15.8        | 89           | 1    | 1280         | 139        | 74         | 254                      | 1.99      | 29.3        | 15.8        | 92           |
| 2    |              | 171        | 124        | 211                      | 1.44      | 41.3        | 30.5        | 88           | 2    |              | 223        | 162        | 242                      | 2.14      | 41.3        | 30.5        | 91           |
| 3    |              | 246        | 207        | 187                      | 1.41      | 53.5        | 45.9        | 87           | 3    |              | 321        | 271        | 213                      | 2.10      | 53.5        | 45.9        | 91           |
| 4    |              | 330        | 298        | 165                      | 1.44      | 62.2        | 57.1        | 85           | 4    |              | 431        | 389        | 189                      | 2.15      | 62.2        | 57.1        | 88           |
| 5    |              | 422        | 396        | 140                      | 1.44      | 67.8        | 64.6        | 84           | 5    |              | 551        | 517        | 160                      | 2.15      | 67.8        | 64.6        | 87           |
| 6    |              | 496        | 474        | 120                      | 1.41      | 69.5        | 67.5        | 84           | 6    |              | 648        | 618        | 137                      | 2.10      | 69.5        | 67.5        | 87           |
| 1    | 1440         | 176        | 93         | 286                      | 2.83      | 29.3        | 15.8        | 95           | 1    | 1600         | 218        | 115        | 318                      | 3.88      | 29.3        | 15.8        | 98           |
| 2    |              | 282        | 205        | 272                      | 3.05      | 41.3        | 30.5        | 94           | 2    |              | 348        | 253        | 302                      | 4.18      | 41.3        | 30.5        | 97           |
| 3    |              | 406        | 342        | 240                      | 2.99      | 53.5        | 45.9        | 93           | 3    |              | 501        | 423        | 267                      | 4.10      | 53.5        | 45.9        | 96           |
| 4    |              | 546        | 492        | 213                      | 3.06      | 62.2        | 57.1        | 91           | 4    |              | 674        | 607        | 236                      | 4.20      | 62.2        | 57.1        | 94           |
| 5    |              | 698        | 654        | 181                      | 3.05      | 67.8        | 64.6        | 90           | 5    |              | 862        | 808        | 201                      | 4.19      | 67.8        | 64.6        | 93           |
| 6    |              | 820        | 783        | 155                      | 2.99      | 69.5        | 67.5        | 90           | 6    |              | 1013       | 966        | 172                      | 4.11      | 69.5        | 67.5        | 92           |
| 1    | 1760         | 264        | 139        | 349                      | 5.16      | 29.3        | 15.8        | 100          | 1    | 1920         | 314        | 166        | 381                      | 6.69      | 29.3        | 15.8        | 104          |
| 2    |              | 421        | 306        | 332                      | 5.57      | 41.3        | 30.5        | 99           | 2    |              | 501        | 364        | 363                      | 7.22      | 41.3        | 30.5        | 102          |
| 3    |              | 606        | 512        | 294                      | 5.46      | 53.5        | 45.9        | 98           | 3    |              | 722        | 609        | 320                      | 7.08      | 53.5        | 45.9        | 102          |
| 4    |              | 815        | 735        | 260                      | 5.59      | 62.2        | 57.1        | 96           | 4    |              | 970        | 874        | 284                      | 7.26      | 62.2        | 57.1        | 100          |
| 5    |              | 1043       | 977        | 221                      | 5.57      | 67.8        | 64.6        | 95           | 5    |              | 1241       | 1163       | 241                      | 7.23      | 67.8        | 64.6        | 99           |
| 6    |              | 1225       | 1169       | 189                      | 5.46      | 69.5        | 67.5        | 94           | 6    |              | 1458       | 1392       | 206                      | 7.09      | 69.5        | 67.5        | 100          |
| 1    | 2080         | 368        | 195        | 413                      | 8.51      | 29.3        | 15.8        | 106          | 1    | 2240         | 427        | 226        | 445                      | 10.63     | 29.3        | 15.8        | 107          |
| 2    |              | 588        | 427        | 393                      | 9.18      | 41.3        | 30.5        | 104          | 2    |              | 682        | 496        | 423                      | 11.47     | 41.3        | 30.5        | 106          |
| 3    |              | 847        | 715        | 347                      | 9.01      | 53.5        | 45.9        | 104          | 3    |              | 982        | 829        | 374                      | 11.25     | 53.5        | 45.9        | 106          |
| 4    |              | 1138       | 1026       | 308                      | 9.22      | 62.2        | 57.1        | 102          | 4    |              | 1320       | 1190       | 331                      | 11.52     | 62.2        | 57.1        | 104          |
| 5    |              | 1456       | 1365       | 261                      | 9.19      | 67.8        | 64.6        | 101          | 5    |              | 1689       | 1583       | 281                      | 11.48     | 67.8        | 64.6        | 103          |
| 6    |              | 1711       | 1633       | 223                      | 9.01      | 69.5        | 67.5        | 102          | 6    |              | 1985       | 1894       | 241                      | 11.26     | 69.5        | 67.5        | 103          |
| 1    | 2400         | 490        | 259        | 477                      | 13.07     | 29.3        | 15.8        | 109          | 1    | 2560         | 558        | 295        | 508                      | 15.86     | 29.3        | 15.8        | 110          |
| 2    |              | 783        | 569        | 453                      | 14.10     | 41.3        | 30.5        | 108          | 2    |              | 891        | 647        | 484                      | 17.12     | 41.3        | 30.5        | 109          |
| 3    |              | 1127       | 951        | 401                      | 13.83     | 53.5        | 45.9        | 107          | 3    |              | 1283       | 1082       | 427                      | 16.79     | 53.5        | 45.9        | 109          |
| 4    |              | 1515       | 1366       | 355                      | 14.17     | 62.2        | 57.1        | 105          | 4    |              | 1724       | 1555       | 379                      | 17.19     | 62.2        | 57.1        | 107          |
| 5    |              | 1939       | 1817       | 301                      | 14.11     | 67.8        | 64.6        | 104          | 5    |              | 2206       | 2067       | 321                      | 17.13     | 67.8        | 64.6        | 106          |
| 6    |              | 2279       | 2174       | 258                      | 13.84     | 69.5        | 67.5        | 105          | 6    |              | 2593       | 2474       | 275                      | 16.80     | 69.5        | 67.5        | 106          |

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating Kw does not include transmission losses



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벨트 구동형 에어포일팬 (양흡입)

Belt driven Airfoil Fan

성능곡선

Dae-Ryun Ind. Co., LTD

DR-AFD Series

Model : DR-AF#4DD

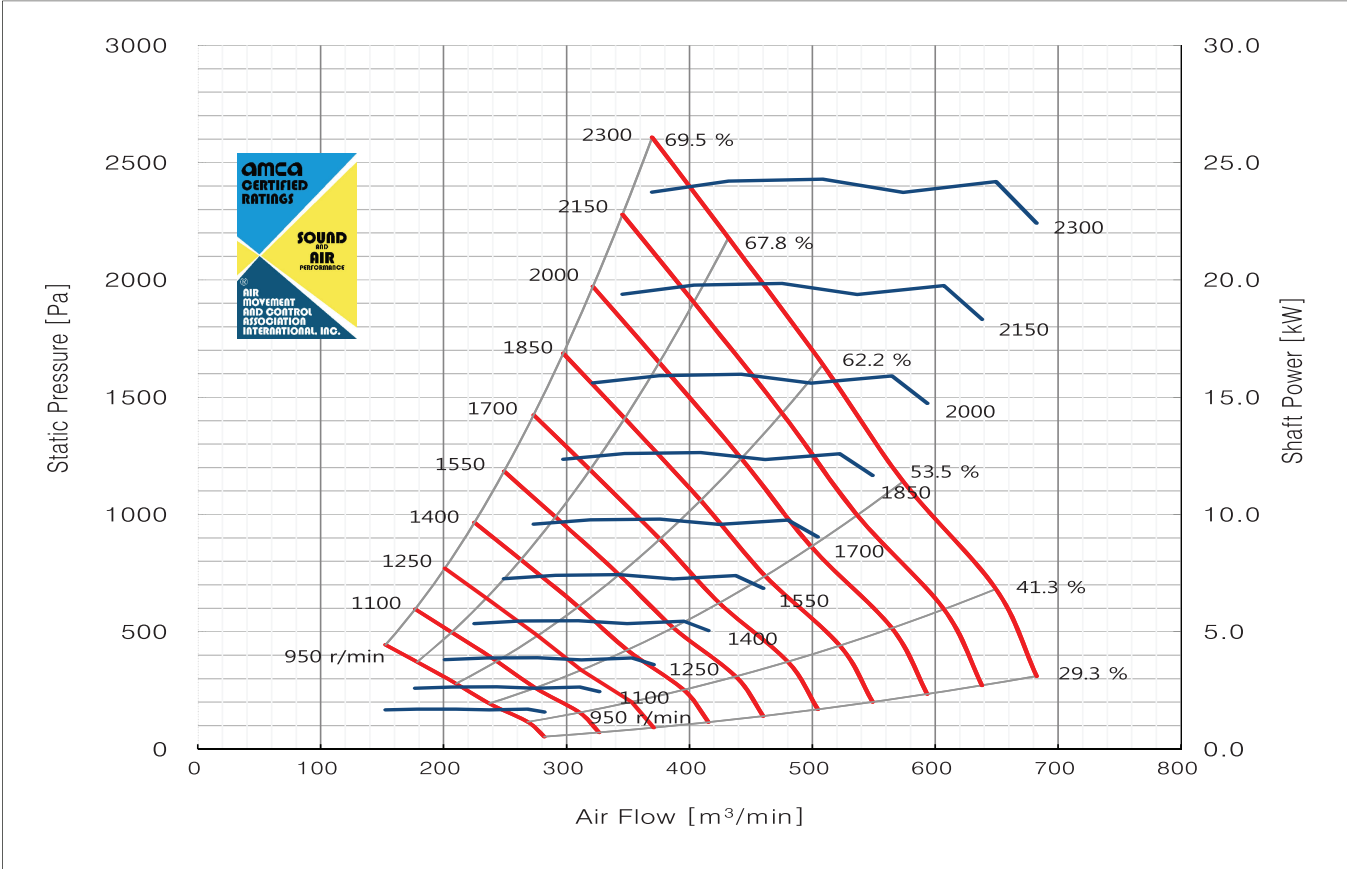
Wheel DIA. : 608 mm

Outlet Dim : 880 X 610 mm

Outlet Area : 0.536 m<sup>2</sup>

| Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] | Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] |
|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|
| 1    | 950          | 100        | 53         | 282                      | 1.58      | 29.3        | 15.8        | 90           | 1    | 1100         | 134        | 71         | 326                      | 2.46      | 29.3        | 15.8        | 93           |
| 2    |              | 160        | 116        | 268                      | 1.71      | 41.3        | 30.5        | 88           | 2    |              | 215        | 156        | 310                      | 2.65      | 41.3        | 30.5        | 92           |
| 3    |              | 231        | 195        | 237                      | 1.68      | 53.5        | 45.9        | 88           | 3    |              | 309        | 261        | 274                      | 2.60      | 53.5        | 45.9        | 91           |
| 4    |              | 310        | 280        | 210                      | 1.72      | 62.2        | 57.1        | 86           | 4    |              | 416        | 375        | 243                      | 2.66      | 62.2        | 57.1        | 89           |
| 5    |              | 397        | 372        | 178                      | 1.71      | 67.8        | 64.6        | 85           | 5    |              | 532        | 499        | 206                      | 2.65      | 67.8        | 64.6        | 88           |
| 6    |              | 466        | 445        | 152                      | 1.68      | 69.5        | 67.5        | 85           | 6    |              | 625        | 597        | 176                      | 2.60      | 69.5        | 67.5        | 88           |
| 1    | 1250         | 174        | 92         | 370                      | 3.60      | 29.3        | 15.8        | 96           | 1    | 1400         | 218        | 115        | 415                      | 5.06      | 29.3        | 15.8        | 99           |
| 2    |              | 277        | 202        | 352                      | 3.89      | 41.3        | 30.5        | 95           | 2    |              | 348        | 253        | 395                      | 5.46      | 41.3        | 30.5        | 97           |
| 3    |              | 399        | 337        | 311                      | 3.81      | 53.5        | 45.9        | 94           | 3    |              | 501        | 423        | 349                      | 5.36      | 53.5        | 45.9        | 97           |
| 4    |              | 537        | 484        | 276                      | 3.91      | 62.2        | 57.1        | 92           | 4    |              | 674        | 607        | 309                      | 5.49      | 62.2        | 57.1        | 94           |
| 5    |              | 687        | 644        | 234                      | 3.89      | 67.8        | 64.6        | 91           | 5    |              | 862        | 808        | 262                      | 5.47      | 67.8        | 64.6        | 94           |
| 6    |              | 807        | 770        | 200                      | 3.82      | 69.5        | 67.5        | 94           | 6    |              | 1013       | 966        | 224                      | 5.36      | 69.5        | 67.5        | 93           |
| 1    | 1550         | 267        | 141        | 459                      | 6.87      | 29.3        | 15.8        | 101          | 1    | 1700         | 321        | 170        | 504                      | 9.06      | 29.3        | 15.8        | 103          |
| 2    |              | 427        | 310        | 437                      | 7.41      | 41.3        | 30.5        | 100          | 2    |              | 513        | 373        | 479                      | 9.77      | 41.3        | 30.5        | 102          |
| 3    |              | 614        | 518        | 386                      | 7.27      | 53.5        | 45.9        | 99           | 3    |              | 739        | 623        | 424                      | 9.59      | 53.5        | 45.9        | 101          |
| 4    |              | 826        | 744        | 342                      | 7.44      | 62.2        | 57.1        | 97           | 4    |              | 993        | 895        | 375                      | 9.82      | 62.2        | 57.1        | 99           |
| 5    |              | 1056       | 990        | 290                      | 7.42      | 67.8        | 64.6        | 96           | 5    |              | 1271       | 1191       | 319                      | 9.78      | 67.8        | 64.6        | 98           |
| 6    |              | 1241       | 1185       | 249                      | 7.27      | 69.5        | 67.5        | 95           | 6    |              | 1493       | 1425       | 273                      | 9.59      | 69.5        | 67.5        | 97           |
| 1    | 1850         | 380        | 201        | 548                      | 11.67     | 29.3        | 15.8        | 107          | 1    | 2000         | 444        | 235        | 593                      | 14.75     | 29.3        | 15.8        | 109          |
| 2    |              | 608        | 442        | 522                      | 12.60     | 41.3        | 30.5        | 106          | 2    |              | 710        | 516        | 564                      | 15.91     | 41.3        | 30.5        | 108          |
| 3    |              | 875        | 738        | 461                      | 12.35     | 53.5        | 45.9        | 105          | 3    |              | 1023       | 863        | 499                      | 15.61     | 53.5        | 45.9        | 107          |
| 4    |              | 1176       | 1060       | 408                      | 12.65     | 62.2        | 57.1        | 103          | 4    |              | 1375       | 1239       | 442                      | 15.98     | 62.2        | 57.1        | 105          |
| 5    |              | 1505       | 1410       | 347                      | 12.60     | 67.8        | 64.6        | 103          | 5    |              | 1759       | 1648       | 375                      | 15.92     | 67.8        | 64.6        | 104          |
| 6    |              | 1768       | 1687       | 297                      | 12.36     | 69.5        | 67.5        | 103          | 6    |              | 2067       | 1972       | 321                      | 15.62     | 69.5        | 67.5        | 105          |
| 1    | 2150         | 514        | 272        | 637                      | 18.32     | 29.3        | 15.8        | 110          | 1    | 2300         | 588        | 311        | 682                      | 22.42     | 29.3        | 15.8        | 112          |
| 2    |              | 821        | 596        | 606                      | 19.77     | 41.3        | 30.5        | 109          | 2    |              | 939        | 683        | 649                      | 24.20     | 41.3        | 30.5        | 111          |
| 3    |              | 1182       | 997        | 536                      | 19.39     | 53.5        | 45.9        | 109          | 3    |              | 1352       | 1141       | 573                      | 23.73     | 53.5        | 45.9        | 111          |
| 4    |              | 1588       | 1432       | 475                      | 19.85     | 62.2        | 57.1        | 107          | 4    |              | 1818       | 1639       | 508                      | 24.30     | 62.2        | 57.1        | 108          |
| 5    |              | 2032       | 1905       | 403                      | 19.78     | 67.8        | 64.6        | 106          | 5    |              | 2326       | 2180       | 431                      | 24.22     | 67.8        | 64.6        | 108          |
| 6    |              | 2388       | 2279       | 345                      | 19.40     | 69.5        | 67.5        | 106          | 6    |              | 2733       | 2608       | 369                      | 23.75     | 69.5        | 67.5        | 108          |

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
- Performance certified is for installation type B - free inlet, ducted outlet.
- Performance ratings do not include the effects of apputenances(accessories), Power rating Kw does not include transmission losses



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벨트 구동형 에어포일팬 (양흡입)

Belt driven Airfoil Fan

성능곡선

Dae-Ryun Ind. Co., LTD

DR-AFD Series

Model : DR-AF#4.5DD

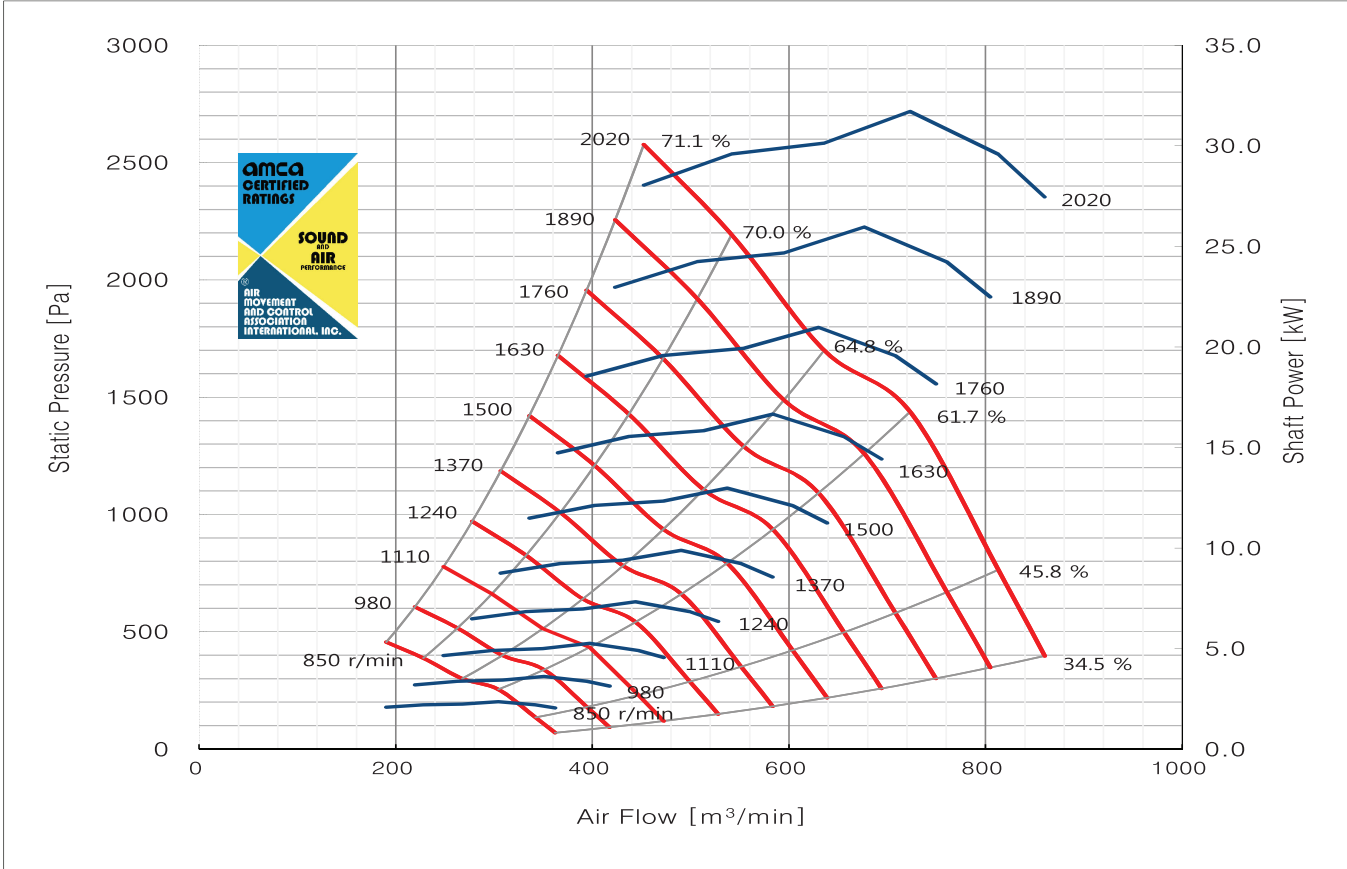
Wheel DIA. : 684 mm

Outlet Dim : 990 X 690 mm

Outlet Area : 0.679 m<sup>2</sup>

| Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] | Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] |
|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|
| 1    | 850          | 119        | 70         | 362                      | 2.05      | 34.5        | 20.7        | 86           | 1    | 980          | 159        | 94         | 417                      | 3.14      | 34.5        | 20.7        | 89           |
| 2    |              | 180        | 135        | 341                      | 2.21      | 45.8        | 35.0        | 85           | 2    |              | 240        | 180        | 394                      | 3.38      | 45.8        | 35.0        | 88           |
| 3    |              | 293        | 255        | 304                      | 2.37      | 61.7        | 54.6        | 83           | 3    |              | 389        | 339        | 350                      | 3.63      | 61.7        | 54.6        | 87           |
| 4    |              | 332        | 301        | 267                      | 2.25      | 64.8        | 59.7        | 81           | 4    |              | 442        | 400        | 308                      | 3.45      | 64.8        | 59.7        | 85           |
| 5    |              | 414        | 388        | 227                      | 2.21      | 70.0        | 66.8        | 79           | 5    |              | 550        | 516        | 262                      | 3.38      | 70.0        | 66.8        | 83           |
| 6    |              | 478        | 456        | 190                      | 2.09      | 71.1        | 69.1        | 90           | 6    |              | 635        | 607        | 219                      | 3.21      | 71.1        | 69.1        | 92           |
| 1    | 1110         | 203        | 120        | 472                      | 4.56      | 34.5        | 20.7        | 93           | 1    | 1240         | 254        | 150        | 527                      | 6.36      | 34.5        | 20.7        | 96           |
| 2    |              | 308        | 231        | 446                      | 4.91      | 45.8        | 35.0        | 92           | 2    |              | 384        | 288        | 498                      | 6.85      | 45.8        | 35.0        | 95           |
| 3    |              | 499        | 434        | 397                      | 5.27      | 61.7        | 54.6        | 90           | 3    |              | 623        | 542        | 443                      | 7.34      | 61.7        | 54.6        | 93           |
| 4    |              | 567        | 513        | 349                      | 5.01      | 64.8        | 59.7        | 90           | 4    |              | 707        | 641        | 390                      | 6.98      | 64.8        | 59.7        | 92           |
| 5    |              | 706        | 662        | 297                      | 4.92      | 70.0        | 66.8        | 87           | 5    |              | 881        | 826        | 332                      | 6.85      | 70.0        | 66.8        | 89           |
| 6    |              | 814        | 778        | 248                      | 4.66      | 71.1        | 69.1        | 102          | 6    |              | 1016       | 971        | 277                      | 6.49      | 71.1        | 69.1        | 104          |
| 1    | 1370         | 310        | 183        | 583                      | 8.57      | 34.5        | 20.7        | 98           | 1    | 1500         | 371        | 219        | 638                      | 11.25     | 34.5        | 20.7        | 101          |
| 2    |              | 469        | 352        | 551                      | 9.23      | 45.8        | 35.0        | 97           | 2    |              | 562        | 422        | 603                      | 12.12     | 45.8        | 35.0        | 100          |
| 3    |              | 761        | 662        | 490                      | 9.90      | 61.7        | 54.6        | 96           | 3    |              | 912        | 793        | 536                      | 12.99     | 61.7        | 54.6        | 98           |
| 4    |              | 863        | 782        | 431                      | 9.41      | 64.8        | 59.7        | 95           | 4    |              | 1035       | 937        | 472                      | 12.34     | 64.8        | 59.7        | 97           |
| 5    |              | 1076       | 1009       | 367                      | 9.24      | 70.0        | 66.8        | 92           | 5    |              | 1290       | 1209       | 402                      | 12.12     | 70.0        | 66.8        | 94           |
| 6    |              | 1240       | 1185       | 306                      | 8.76      | 71.1        | 69.1        | 105          | 6    |              | 1487       | 1421       | 335                      | 11.49     | 71.1        | 69.1        | 106          |
| 1    | 1630         | 439        | 259        | 693                      | 14.44     | 34.5        | 20.7        | 103          | 1    | 1760         | 511        | 302        | 749                      | 18.17     | 34.5        | 20.7        | 105          |
| 2    |              | 663        | 498        | 655                      | 15.55     | 45.8        | 35.0        | 102          | 2    |              | 773        | 581        | 708                      | 19.57     | 45.8        | 35.0        | 104          |
| 3    |              | 1077       | 937        | 583                      | 16.67     | 61.7        | 54.6        | 100          | 3    |              | 1256       | 1092       | 629                      | 20.98     | 61.7        | 54.6        | 102          |
| 4    |              | 1222       | 1107       | 512                      | 15.84     | 64.8        | 59.7        | 99           | 4    |              | 1425       | 1290       | 553                      | 19.94     | 64.8        | 59.7        | 101          |
| 5    |              | 1523       | 1428       | 436                      | 15.56     | 70.0        | 66.8        | 97           | 5    |              | 1776       | 1665       | 471                      | 19.58     | 70.0        | 66.8        | 99           |
| 6    |              | 1756       | 1678       | 364                      | 14.74     | 71.1        | 69.1        | 107          | 6    |              | 2047       | 1956       | 393                      | 18.56     | 71.1        | 69.1        | 108          |
| 1    | 1890         | 590        | 348        | 804                      | 22.50     | 34.5        | 20.7        | 107          | 1    | 2020         | 674        | 397        | 859                      | 27.47     | 34.5        | 20.7        | 109          |
| 2    |              | 892        | 669        | 760                      | 24.24     | 45.8        | 35.0        | 106          | 2    |              | 1019       | 765        | 812                      | 29.59     | 45.8        | 35.0        | 108          |
| 3    |              | 1448       | 1259       | 676                      | 25.98     | 61.7        | 54.6        | 104          | 3    |              | 1654       | 1439       | 723                      | 31.71     | 61.7        | 54.6        | 107          |
| 4    |              | 1643       | 1488       | 594                      | 24.69     | 64.8        | 59.7        | 103          | 4    |              | 1877       | 1700       | 635                      | 30.14     | 64.8        | 59.7        | 107          |
| 5    |              | 2047       | 1920       | 506                      | 24.25     | 70.0        | 66.8        | 101          | 5    |              | 2339       | 2193       | 541                      | 29.60     | 70.0        | 66.8        | 103          |
| 6    |              | 2361       | 2256       | 423                      | 22.98     | 71.1        | 69.1        | 109          | 6    |              | 2697       | 2577       | 452                      | 28.05     | 71.1        | 69.1        | 118          |

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
- Value shown are for inlet LwiA sound power levels for installation type B - free inlet, ducted outlet.
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- Performance ratings do not include the effects of apputenances(accessories), Power rating Kw does not include transmission losses



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벨트 구동형 에어포일팬 (양흡입)

Belt driven Airfoil Fan

성능곡선

Dae-Ryun Ind. Co., LTD

DR-AFD Series

Model : DR-AF#5DD

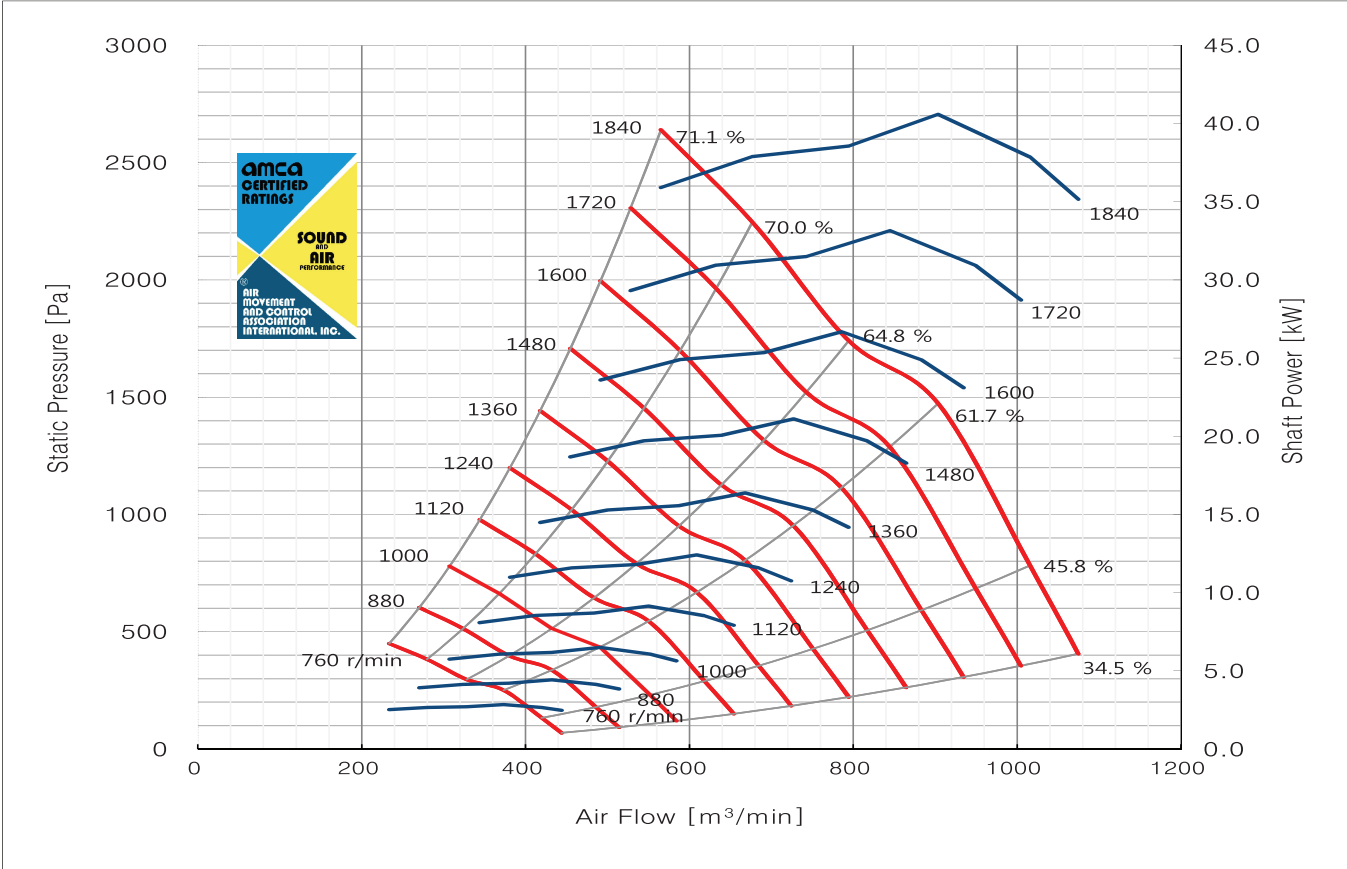
Wheel DIA. : 760 mm

Outlet Dim : 1100 X 760 mm

Outlet Area : 0.838 m<sup>2</sup>

| Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] | Det. | N<br>[r/min] | Pt<br>[Pa] | Ps<br>[Pa] | Q<br>m <sup>3</sup> /min | H<br>[kW] | EtaT<br>[%] | EtaS<br>[%] | LwiA<br>[dB] |
|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|------|--------------|------------|------------|--------------------------|-----------|-------------|-------------|--------------|
| 1    | 760          | 118        | 69         | 444                      | 2.48      | 34.5        | 20.7        | 86           | 1    | 880          | 158        | 93         | 513                      | 3.85      | 34.5        | 20.7        | 90           |
| 2    |              | 178        | 134        | 419                      | 2.67      | 45.8        | 35.0        | 85           | 2    |              | 239        | 179        | 485                      | 4.15      | 45.8        | 35.0        | 89           |
| 3    |              | 289        | 251        | 373                      | 2.86      | 61.7        | 54.6        | 83           | 3    |              | 388        | 337        | 432                      | 4.44      | 61.7        | 54.6        | 87           |
| 4    |              | 328        | 297        | 328                      | 2.72      | 64.8        | 59.7        | 82           | 4    |              | 440        | 398        | 379                      | 4.22      | 64.8        | 59.7        | 85           |
| 5    |              | 409        | 383        | 279                      | 2.67      | 70.0        | 66.8        | 80           | 5    |              | 548        | 514        | 323                      | 4.15      | 70.0        | 66.8        | 83           |
| 6    |              | 471        | 450        | 233                      | 2.53      | 71.1        | 69.1        | 91           | 6    |              | 632        | 604        | 270                      | 3.93      | 71.1        | 69.1        | 93           |
| 1    | 1000         | 204        | 120        | 583                      | 5.65      | 34.5        | 20.7        | 94           | 1    | 1120         | 256        | 151        | 654                      | 7.93      | 34.5        | 20.7        | 97           |
| 2    |              | 308        | 231        | 551                      | 6.08      | 45.8        | 35.0        | 93           | 2    |              | 387        | 290        | 618                      | 8.54      | 45.8        | 35.0        | 95           |
| 3    |              | 500        | 435        | 490                      | 6.52      | 61.7        | 54.6        | 91           | 3    |              | 628        | 546        | 549                      | 9.16      | 61.7        | 54.6        | 94           |
| 4    |              | 568        | 514        | 431                      | 6.20      | 64.8        | 59.7        | 91           | 4    |              | 712        | 645        | 483                      | 8.70      | 64.8        | 59.7        | 93           |
| 5    |              | 708        | 664        | 367                      | 6.09      | 70.0        | 66.8        | 87           | 5    |              | 888        | 832        | 411                      | 8.55      | 70.0        | 66.8        | 90           |
| 6    |              | 816        | 780        | 307                      | 5.77      | 71.1        | 69.1        | 104          | 6    |              | 1024       | 978        | 343                      | 8.10      | 71.1        | 69.1        | 106          |
| 1    | 1240         | 313        | 185        | 724                      | 10.76     | 34.5        | 20.7        | 99           | 1    | 1360         | 377        | 222        | 794                      | 14.20     | 34.5        | 20.7        | 101          |
| 2    |              | 474        | 356        | 684                      | 11.59     | 45.8        | 35.0        | 98           | 2    |              | 570        | 428        | 750                      | 15.29     | 45.8        | 35.0        | 100          |
| 3    |              | 769        | 669        | 608                      | 12.43     | 61.7        | 54.6        | 96           | 3    |              | 926        | 805        | 667                      | 16.39     | 61.7        | 54.6        | 99           |
| 4    |              | 873        | 791        | 535                      | 11.81     | 64.8        | 59.7        | 96           | 4    |              | 1050       | 951        | 587                      | 15.58     | 64.8        | 59.7        | 98           |
| 5    |              | 1088       | 1020       | 456                      | 11.60     | 70.0        | 66.8        | 93           | 5    |              | 1309       | 1227       | 500                      | 15.30     | 70.0        | 66.8        | 95           |
| 6    |              | 1255       | 1199       | 380                      | 10.99     | 71.1        | 69.1        | 107          | 6    |              | 1509       | 1442       | 417                      | 14.50     | 71.1        | 69.1        | 108          |
| 1    | 1480         | 446        | 263        | 864                      | 18.30     | 34.5        | 20.7        | 104          | 1    | 1600         | 522        | 308        | 934                      | 23.12     | 34.5        | 20.7        | 106          |
| 2    |              | 675        | 507        | 816                      | 19.71     | 45.8        | 35.0        | 102          | 2    |              | 789        | 592        | 883                      | 24.90     | 45.8        | 35.0        | 104          |
| 3    |              | 1096       | 953        | 726                      | 21.13     | 61.7        | 54.6        | 101          | 3    |              | 1281       | 1114       | 785                      | 26.69     | 61.7        | 54.6        | 103          |
| 4    |              | 1244       | 1127       | 638                      | 20.08     | 64.8        | 59.7        | 100          | 4    |              | 1454       | 1317       | 690                      | 25.37     | 64.8        | 59.7        | 102          |
| 5    |              | 1550       | 1454       | 544                      | 19.72     | 70.0        | 66.8        | 97           | 5    |              | 1812       | 1699       | 588                      | 24.91     | 70.0        | 66.8        | 99           |
| 6    |              | 1787       | 1708       | 454                      | 18.69     | 71.1        | 69.1        | 109          | 6    |              | 2089       | 1996       | 491                      | 23.61     | 71.1        | 69.1        | 110          |
| 1    | 1720         | 603        | 356        | 1004                     | 28.72     | 34.5        | 20.7        | 107          | 1    | 1840         | 690        | 407        | 1074                     | 35.16     | 34.5        | 20.7        | 109          |
| 2    |              | 912        | 684        | 949                      | 30.93     | 45.8        | 35.0        | 106          | 2    |              | 1043       | 783        | 1015                     | 37.87     | 45.8        | 35.0        | 108          |
| 3    |              | 1480       | 1288       | 844                      | 33.16     | 61.7        | 54.6        | 105          | 3    |              | 1694       | 1474       | 903                      | 40.59     | 61.7        | 54.6        | 107          |
| 4    |              | 1680       | 1522       | 742                      | 31.51     | 64.8        | 59.7        | 104          | 4    |              | 1922       | 1741       | 794                      | 38.57     | 64.8        | 59.7        | 105          |
| 5    |              | 2093       | 1963       | 632                      | 30.95     | 70.0        | 66.8        | 101          | 5    |              | 2396       | 2247       | 676                      | 37.89     | 70.0        | 66.8        | 103          |
| 6    |              | 2414       | 2307       | 528                      | 29.33     | 71.1        | 69.1        | 111          | 6    |              | 2762       | 2640       | 565                      | 35.91     | 71.1        | 69.1        | 112          |

- The A-Weighted sound rating shown have been calculated per AMCA Standard 301
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