

## Individuazione HT e rendimento – Total pressure and performance research

| Portata<br>Flow rate<br>m <sup>3</sup> /min | Portata<br>Flow rate<br>m <sup>3</sup> /h |                             | RPM   |       |       |       |       |       | Vu m/sec | HD<br>mmWC |
|---|---|-----------------------------|-------|-------|-------|-------|-------|-------|----------|------------|
|   |   |                             | 500   | 600   | 700   | 800   | 900   | 1000  |          |            |
| 317   | 19000                                     | mmWC                        | 121   |       |       |       |       |       | 7,1      | 3,1        |
|   |   | Rendimento/Efficiency       | 76    |       |       |       |       |       |          |            |
|   |   | Potenza ass/Power abs<br>kW | 8,40  |       |       |       |       |       |          |            |
| 333   | 20000                                     | mmWC                        | 120   |       |       |       |       |       | 7,5      | 3,4        |
|   |   | Rendimento/Efficiency       | 77    |       |       |       |       |       |          |            |
|   |   | Potenza ass/Power abs<br>kW | 8,66  |       |       |       |       |       |          |            |
| 367   | 22000                                     | mmWC                        | 119   |       |       |       |       |       | 8,2      | 4,1        |
|   |   | Rendimento/Efficiency       | 78    |       |       |       |       |       |          |            |
|   |   | Potenza ass/Power abs<br>kW | 9,32  |       |       |       |       |       |          |            |
| 400   | 24000                                     | mmWC                        | 117   | 176   |       |       |       |       | 9        | 5          |
|   |   | Rendimento/Efficiency       | 81    | 76    |       |       |       |       |          |            |
|   |   | Potenza ass/Power abs<br>kW | 9,63  | 15,44 |       |       |       |       |          |            |
| 433   | 26000                                     | mmWC                        | 112   | 172   | 240   |       |       |       | 9,5      | 6          |
|   |   | Rendimento/Efficiency       | 81    | 78    | 75    |       |       |       |          |            |
|   |   | Potenza ass/Power abs<br>kW | 9,99  | 15,93 | 23,11 |       |       |       |          |            |
| 467   | 28000                                     | mmWC                        | 110   | 170   | 240   |       |       |       | 10,3     | 6,8        |
|   |   | Rendimento/Efficiency       | 81    | 80    | 76    |       |       |       |          |            |
|   |   | Potenza ass/Power abs<br>kW | 10,56 | 16,53 | 24,56 |       |       |       |          |            |
| 500   | 30000                                     | mmWC                        | 107   | 168   | 239   |       |       |       | 11       | 8          |
|   |   | Rendimento/Efficiency       | 82    | 81    | 78    |       |       |       |          |            |
|   |   | Potenza ass/Power abs<br>kW | 10,87 | 17,28 | 25,53 |       |       |       |          |            |
| 533   | 32000                                     | mmWC                        | 102   | 161   | 237   | 319   |       |       | 11,8     | 9          |
|   |   | Rendimento/Efficiency       | 82    | 81    | 79    | 76    |       |       |          |            |
|   |   | Potenza ass/Power abs<br>kW | 11,75 | 18,77 | 28,33 | 39,64 |       |       |          |            |
| 567   | 34000                                     | mmWC                        | 98    | 149   | 230   | 315   | 400   |       | 12,3     | 10         |
|   |   | Rendimento/Efficiency       | 82    | 81    | 81    | 77    | 75    |       |          |            |
|   |   | Potenza ass/Power abs<br>kW | 11,29 | 17,37 | 26,82 | 38,64 | 50,37 |       |          |            |
| 600   | 36000                                     | mmWC                        | 95    | 152   | 225   | 310   | 400   |       | 13       | 12         |
|   |   | Rendimento/Efficiency       | 82    | 82    | 81    | 79    | 76    |       |          |            |
|   |   | Potenza ass/Power abs<br>kW | 10,94 | 17,51 | 26,23 | 37,06 | 49,71 |       |          |            |
| 633   | 38000                                     | mmWC                        | 90    | 149   | 220   | 301   | 399   | 500   | 14       | 13         |
|   |   | Rendimento/Efficiency       | 82    | 82    | 81    | 80    | 77    | 75    |          |            |
|   |   | Potenza ass/Power abs<br>kW | 11,59 | 19,18 | 28,67 | 39,72 | 54,70 | 70,37 |          |            |
| 667   | 40000                                     | mmWC                        | 87    | 144   | 219   | 300   | 397   | 500   | 15       | 14         |
|   |   | Rendimento/Efficiency       | 81    | 82    | 81    | 81    | 78    | 76    |          |            |
|   |   | Potenza ass/Power abs<br>kW | 11,93 | 19,51 | 30,04 | 41,15 | 56,55 | 73,10 |          |            |
| 700   | 42000                                     | mmWC                        | 82    | 140   | 217   | 298   | 382   | 500   | 15,5     | 15         |
|   |   | Rendimento/Efficiency       | 80    | 83    | 82    | 81    | 80    | 77    |          |            |
|   |   | Potenza ass/Power abs<br>kW | 11,39 | 18,74 | 29,40 | 45,00 | 53,06 | 72,15 |          |            |
| 733   | 44000                                     | mmWC                        | 78    | 136   | 210   | 290   | 381   | 499   | 16       | 16         |
|   |   | Rendimento/Efficiency       | 78    | 82    | 82    | 82    | 80    | 78    |          |            |
|   |   | Potenza ass/Power abs<br>kW | 11,11 | 18,43 | 28,46 | 39,30 | 52,92 | 71,08 |          |            |
| 767   | 46000                                     | mmWC                        | 73    | 130   | 202   | 281   | 380   | 490   | 17       | 18         |
|   |   | Rendimento/Efficiency       | 76    | 82    | 82    | 81    | 81    | 79    |          |            |
|   |   | Potenza ass/Power abs<br>kW | 10,67 | 17,62 | 27,37 | 38,55 | 52,13 | 68,92 |          |            |
| 800   | 48000                                     | mmWC                        |       | 125   | 200   | 280   | 370   | 485   | 17,5     | 20         |
|   |   | Rendimento/Efficiency       |       | 81    | 82    | 82    | 81    | 80    |          |            |
|   |   | Potenza ass/Power abs<br>kW |       | 17,15 | 27,10 | 37,94 | 50,75 | 67,36 |          |            |
| 833   | 50000                                     | mmWC                        |       | 122   | 192   | 275   | 362   | 470   | 18       | 21         |
|   |   | Rendimento/Efficiency       |       | 81    | 83    | 82    | 81    | 81    |          |            |
|   |   | Potenza ass/Power abs<br>kW |       | 16,74 | 25,70 | 37,26 | 49,66 | 64,47 |          |            |
| 917   | 55000                                     | mmWC                        |       | 105   | 180   | 260   | 350   | 452   | 20       | 27         |
|   |   | Rendimento/Efficiency       |       | 76    | 82    | 82    | 82    | 81    |          |            |
|   |   | Potenza ass/Power abs<br>kW |       | 15,35 | 24,39 | 35,23 | 47,43 | 62,00 |          |            |
| 1000  | 60000                                     | mmWC                        |       |       | 165   | 260   | 350   | 452   | 22       | 30         |
|   |   | Rendimento/Efficiency       |       |       | 80    | 82    | 82    | 81    |          |            |
|   |   | Potenza ass/Power abs<br>kW |       |       | 22,92 | 35,23 | 47,43 | 62,00 |          |            |
| 1083  | 65000                                     | mmWC                        |       |       | 147   | 225   | 320   | 430   | 24       | 38         |
|   |   | Rendimento/Efficiency       |       |       | 76    | 81    | 83    | 82    |          |            |
|   |   | Potenza ass/Power abs<br>kW |       |       | 21,49 | 30,86 | 42,84 | 58,27 |          |            |
| 1167  | 70000                                     | mmWC                        |       |       |       | 217   | 301   | 405   | 26       | 41         |
|   |   | Rendimento/Efficiency       |       |       |       | 80    | 82    | 82    |          |            |
|   |   | Potenza ass/Power abs<br>kW |       |       |       | 30,14 | 40,79 | 54,88 |          |            |
| 1250  | 75000                                     | mmWC                        |       |       |       | 195   | 282   | 398   | 28       | 50         |
|   |   | Rendimento/Efficiency       |       |       |       | 76    | 81    | 83    |          |            |
|   |   | Potenza ass/Power abs<br>kW |       |       |       | 28,51 | 38,68 | 53,28 |          |            |
| 1333  | 80000                                     | mmWC                        |       |       |       |       | 270   | 380   | 29       | 55         |
|   |   | Rendimento/Efficiency       |       |       |       |       | 80    | 82    |          |            |
|   |   | Potenza ass/Power abs<br>kW |       |       |       |       | 37,50 | 51,49 |          |            |
| 1417  | 85000                                     | mmWC                        |       |       |       |       | 240   | 360   | 32       | 61         |
|   |   | Rendimento/Efficiency       |       |       |       |       | 76    | 81    |          |            |
|   |   | Potenza ass/Power abs<br>kW |       |       |       |       | 35,09 | 49,38 |          |            |
| 1500  | 90000                                     | mmWC                        |       |       |       |       |       | 323   | 34       | 70         |
|   |   | Rendimento/Efficiency       |       |       |       |       |       | 80    |          |            |
|   |   | Potenza ass/Power abs<br>kW |       |       |       |       |       | 44,86 |          |            |
| 1583  | 95000                                     | mmWC                        |       |       |       |       |       | 303   | 35       | 76         |
|   |   | Rendimento/Efficiency       |       |       |       |       |       | 76    |          |            |
|   |   | Potenza ass/Power abs<br>kW |       |       |       |       |       | 44,30 |          |            |
|   |   | Motore/Motor kW             |       |       |       |       |       | 45,0  |          |            |