

**VENTILATORE CENTRIFUGO MP90 TT  
CENTRIFUGAL FAN MP 90 TT**

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<br>m/sec | HD<br>mmWC |
|---|---|--------------------------|------|------|-------|-------|-------|-------|-------|-------------|------------|
|   |   |                          | 900  | 1000 | 1100  | 1200  | 1400  | 1600  | 1800  |             |            |
| 117   | 7000                                      | mmWC                     | 169  |      |       |       |       |       |       | 8,3         | 4,2        |
|   |   | Rendimento/Efficiency    | 75   |      |       |       |       |       |       |             |            |
|   |   | Potenza ass/Power abs kW | 4,38 |      |       |       |       |       |       |             |            |
|   |   | Motore/Motor kW          | 5,5  |      |       |       |       |       |       |             |            |
| 133   | 8000                                      | mmWC                     | 165  | 210  |       |       |       |       |       | 9,4         | 5,7        |
|   |   | Rendimento/Efficiency    | 77   | 75   |       |       |       |       |       |             |            |
|   |   | Potenza ass/Power abs kW | 4,76 | 6,22 |       |       |       |       |       |             |            |
|   |   | Motore/Motor kW          | 5,5  | 7,5  |       |       |       |       |       |             |            |
| 150   | 9000                                      | mmWC                     | 160  | 202  | 257   |       |       |       |       | 10,8        | 7          |
|   |   | Rendimento/Efficiency    | 80   | 78   | 76    |       |       |       |       |             |            |
|   |   | Potenza ass/Power abs kW | 5,00 | 6,47 | 8,45  |       |       |       |       |             |            |
|   |   | Motore/Motor kW          | 7,5  | 7,5  | 11,0  |       |       |       |       |             |            |
| 167   | 10000                                     | mmWC                     | 152  | 200  | 245   | 300   |       |       |       | 11,8        | 8,8        |
|   |   | Rendimento               | 81   | 80   | 78    | 76    |       |       |       |             |            |
|   |   | Potenza ass kW           | 5,21 | 6,94 | 8,73  | 10,96 |       |       |       |             |            |
|   |   | Motore kW                | 7,5  | 11,0 | 11,0  | 15,0  |       |       |       |             |            |
| 183   | 11000                                     | mmWC                     | 150  | 193  | 240   | 300   | 430   |       |       | 12,8        | 10,2       |
|   |   | Rendimento/Efficiency    | 82   | 81   | 80    | 78    | 75    |       |       |             |            |
|   |   | Potenza ass/Power abs kW | 5,59 | 7,28 | 9,17  | 11,75 | 17,52 |       |       |             |            |
|   |   | Motore/Motor kW          | 7,5  | 11,0 | 11,0  | 15,0  | 22,0  |       |       |             |            |
| 200   | 12000                                     | mmWC                     | 140  | 187  | 238   | 290   | 430   |       |       | 14          | 13,5       |
|   |   | Rendimento/Efficiency    | 82   | 82   | 81    | 80    | 77    |       |       |             |            |
|   |   | Potenza ass/Power abs kW | 5,69 | 7,60 | 9,79  | 12,08 | 18,61 |       |       |             |            |
|   |   | Motore/Motor kW          | 7,5  | 11,0 | 15,0  | 15,0  | 22,0  |       |       |             |            |
| 217   | 13000                                     | mmWC                     | 132  | 180  | 228   | 280   | 425   |       |       | 15,2        | 14,8       |
|   |   | Rendimento/Efficiency    | 83   | 82   | 82    | 81    | 78    |       |       |             |            |
|   |   | Potenza ass/Power abs kW | 5,74 | 7,93 | 10,04 | 12,48 | 19,68 |       |       |             |            |
|   |   | Motore/Motor kW          | 7,5  | 11,0 | 15,0  | 15,0  | 22,0  |       |       |             |            |
| 233   | 14000                                     | mmWC                     | 128  | 171  | 220   | 278   | 400   | 549   |       | 16,5        | 17,5       |
|   |   | Rendimento/Efficiency    | 82   | 82   | 82    | 81    | 80    | 77    |       |             |            |
|   |   | Potenza ass/Power abs kW | 6,07 | 8,11 | 10,43 | 13,35 | 19,44 | 27,73 |       |             |            |
|   |   | Motore/Motor kW          | 7,5  | 11,0 | 11,0  | 15,0  | 22,0  | 30,0  |       |             |            |
| 250   | 15000                                     | mmWC                     | 120  | 165  | 211   | 262   | 398   | 547   | 699   | 17,5        | 19         |
|   |   | Rendimento/Efficiency    | 82   | 82   | 82    | 82    | 81    | 80    | 75    |             |            |
|   |   | Potenza ass/Power abs kW | 6,10 | 8,38 | 10,72 | 13,31 | 20,47 | 28,49 | 38,83 |             |            |
|   |   | Motore/Motor kW          | 7,5  | 11,0 | 15,0  | 15,0  | 22,0  | 30,0  | 45,0  |             |            |
| 267   | 16000                                     | mmWC                     | 111  | 158  | 208   | 258   | 381   | 525   | 698   | 18,8        | 23         |
|   |   | Rendimento/Efficiency    | 80   | 82   | 83    | 82    | 81    | 81    | 78    |             |            |
|   |   | Potenza ass/Power abs kW | 6,17 | 8,56 | 11,14 | 13,98 | 20,91 | 28,81 | 39,77 |             |            |
|   |   | Motore/Motor kW          | 7,5  | 11,0 | 15,0  | 15,0  | 22,0  | 30,0  | 45,0  |             |            |
| 283   | 17000                                     | mmWC                     |      | 147  | 192   | 248   | 378   | 510   | 655   | 20          | 27         |
|   |   | Rendimento/Efficiency    |      | 81   | 82    | 82    | 82    | 81    | 78    |             |            |
|   |   | Potenza ass/Power abs kW |      | 8,57 | 11,06 | 14,28 | 21,77 | 29,73 | 39,65 |             |            |
|   |   | Motore/Motor kW          |      | 11,0 | 15,0  | 15,0  | 22,0  | 30,0  | 45,0  |             |            |
| 300   | 18000                                     | mmWC                     |      | 138  | 188   | 239   | 365   | 500   | 655   | 21          | 29,7       |
|   |   | Rendimento/Efficiency    |      | 80   | 82    | 83    | 82    | 81    | 80    |             |            |
|   |   | Potenza ass/Power abs kW |      | 8,63 | 11,46 | 14,40 | 22,26 | 30,86 | 40,94 |             |            |
|   |   | Motore/Motor kW          |      | 11,0 | 15,0  | 15,0  | 30,0  | 37,0  | 45,0  |             |            |
| 317   | 19000                                     | mmWC                     |      |      | 177   | 230   | 358   | 498   | 650   | 22,5        | 32         |
|   |   | Rendimento/Efficiency    |      |      | 81    | 82    | 82    | 82    | 81    |             |            |
|   |   | Potenza ass/Power abs kW |      |      | 11,53 | 14,80 | 23,04 | 32,05 | 42,35 |             |            |
|   |   | Motore/Motor kW          |      |      | 15,0  | 15,0  | 30,0  | 37,0  | 45,0  |             |            |
| 333   | 20000                                     | mmWC                     |      |      | 169   | 220   | 343   | 485   | 649   | 25          | 37         |
|   |   | Rendimento/Efficiency    |      |      | 80    | 81    | 82    | 82    | 81    |             |            |
|   |   | Potenza ass/Power abs kW |      |      | 11,74 | 15,09 | 23,24 | 32,86 | 44,51 |             |            |
|   |   | Motore/Motor kW          |      |      | 15,0  | 18,5  | 30,0  | 37,0  | 45,0  |             |            |
| 367   | 22000                                     | mmWC                     |      |      |       | 200   | 322   | 455   | 645   | 27,8        | 43         |
|   |   | Rendimento/Efficiency    |      |      |       | 80    | 82    | 82    | 82    |             |            |
|   |   | Potenza ass/Power abs kW |      |      |       | 15,28 | 24,00 | 33,91 | 48,07 |             |            |
|   |   | Motore/Motor kW          |      |      |       | 18,5  | 30,0  | 45,0  | 55,0  |             |            |
| 400   | 24000                                     | mmWC                     |      |      |       | 178   | 302   | 447   | 600   | 28          | 50         |
|   |   | Rendimento/Efficiency    |      |      |       | 75    | 81    | 83    | 82    |             |            |
|   |   | Potenza ass/Power abs kW |      |      |       | 15,82 | 24,86 | 35,90 | 48,78 |             |            |
|   |   | Motore/Motor kW          |      |      |       | 18,5  | 30,0  | 45,0  | 55,0  |             |            |
| 433   | 26000                                     | mmWC                     |      |      |       |       | 280   | 410   | 554   | 31          | 59         |
|   |   | Rendimento/Efficiency    |      |      |       |       | 82    | 82    | 82    |             |            |
|   |   | Potenza ass/Power abs kW |      |      |       |       | 24,66 | 36,11 | 48,79 |             |            |
|   |   | Motore/Motor kW          |      |      |       |       | 30,0  | 45,0  | 55,0  |             |            |
| 467   | 28000                                     | mmWC                     |      |      |       |       |       | 380   | 548   | 33          | 68         |
|   |   | Rendimento/Efficiency    |      |      |       |       |       | 81    | 82    |             |            |
|   |   | Potenza ass/Power abs kW |      |      |       |       |       | 36,49 | 51,98 |             |            |
|   |   | Motore/Motor kW          |      |      |       |       |       | 45,0  | 55,0  |             |            |
| 500   | 30000                                     | mmWC                     |      |      |       |       |       | 360   | 525   | 37,5        | 78         |
|   |   | Rendimento/Efficiency    |      |      |       |       |       | 80    | 82    |             |            |
|   |   | Potenza ass/Power abs kW |      |      |       |       |       | 37,50 | 53,35 |             |            |
|   |   | Motore/Motor kW          |      |      |       |       |       | 45,0  | 75,0  |             |            |
| 533   | 32000                                     | mmWC                     |      |      |       |       |       |       | 480   | 38,9        | 90         |
|   |   | Rendimento/Efficiency    |      |      |       |       |       |       | 80    |             |            |
|   |   | Potenza ass/Power abs kW |      |      |       |       |       |       | 53,33 |             |            |
|   |   | Motore/Motor kW          |      |      |       |       |       |       | 75,0  |             |            |
| 567   | 34000                                     | mmWC                     |      |      |       |       |       |       | 448   | 40          | 100        |
|   |   | Rendimento/Efficiency    |      |      |       |       |       |       | 78    |             |            |
|   |   | Potenza ass/Power abs kW |      |      |       |       |       |       | 54,25 |             |            |
|   |   | Motore/Motor kW          |      |      |       |       |       |       | 75,0  |             |            |
| 600   | 36000                                     | mmWC                     |      |      |       |       |       |       | 420   | 42          | 115        |
|   |   | Rendimento/Efficiency    |      |      |       |       |       |       | 76    |             |            |
|   |   | Potenza ass/Power abs kW |      |      |       |       |       |       | 55,26 |             |            |
|   |   | Motore/Motor kW          |      |      |       |       |       |       | 75,0  |             |            |