

# INFORMAZIONI SULLA PROGETTAZIONE ECOCOMPATIBILE

In base al regolamento (UE) n. 327/2011 della Commissione europea, che attua la direttiva 2009/125/CE del Parlamento europeo e del Consiglio

Applicabile ai ventilatori

SODECA, S.L.U.

www.sodeca.com

## ERP: caratteristiche del punto di massima efficienza (BEP)

|     |                          |
|-----|--------------------------|
| MC  | Categoria di misurazione |
| EC  | Categoria di efficienza  |
| VSD | Variatore di velocità    |
| SR  | Relazione specifica      |

|                     |                                      |
|---------------------|--------------------------------------|
| [m <sup>3</sup> /h] | Portata                              |
| [Pa]                | Pressione statica / Pressione totale |
| [RPM]               | Velocità                             |

|        |                     |
|--------|---------------------|
| ηe [%] | Resa                |
| N      | Grado di efficienza |
| [kW]   | Potenza elettrica   |

| Modello                         | MC | EC      | VSD                | SR   | ηe[%] | N    | [kW]   | [m <sup>3</sup> /h] | [Pa] | [RPM] |
|---------------------------------|----|---------|--------------------|------|-------|------|--------|---------------------|------|-------|
| THT/ROOF-40-6T-0.75-F-400       | A  | Statico | VSD non necessario | 1.00 | 25.4  | 38.3 | 0.090  | 2422                | 35   | 992   |
| THT/ROOF-56-4T-1-F-400 IE3      | A  | Statico | VSD non necessario | 1.00 | 38.9  | 45.8 | 0.802  | 7959                | 141  | 1433  |
| THT/ROOF-56-4T-1.5-F-400 IE3    | B  | Totale  | VSD non necessario | 1.00 | 49.6  | 55.4 | 1.217  | 11615               | 187  | 1439  |
| THT/ROOF-63-4T-1.5-F-400 IE3    | C  | Statico | VSD non necessario | 1.00 | 49.5  | 55.4 | 1.156  | 10625               | 194  | 1442  |
| THT/ROOF-63-4T-2-F-400 IE3      | C  | Statico | VSD non necessario | 1.00 | 43.5  | 48.7 | 1.510  | 12026               | 196  | 1448  |
| THT/ROOF-63-4T-3-F-400 IE3      | B  | Totale  | VSD non necessario | 1.00 | 63.7  | 67.7 | 2.373  | 20298               | 268  | 1467  |
| THT/ROOF-63-4T-4-F-400 IE3      | B  | Totale  | VSD non necessario | 1.00 | 64.2  | 67.6 | 2.935  | 24239               | 280  | 1460  |
| THT/ROOF-63-6T-0.75-F-400       | B  | Totale  | VSD non necessario | 1.00 | 48.6  | 55.8 | 0.724  | 12156               | 104  | 941   |
| THT/ROOF-63-6T-1-F-400 IE3      | B  | Totale  | VSD non necessario | 1.00 | 57.6  | 64.2 | 0.920  | 15881               | 120  | 951   |
| THT/ROOF-71-4T-2-F-400 IE3      | C  | Statico | VSD non necessario | 1.00 | 49.7  | 55.0 | 1.456  | 13405               | 194  | 1450  |
| THT/ROOF-71-4T-3-F-400 IE3      | C  | Statico | VSD non necessario | 1.00 | 44.2  | 48.2 | 2.297  | 17056               | 214  | 1468  |
| THT/ROOF-71-4T-4-F-400 IE3      | C  | Statico | VSD non necessario | 1.00 | 41.9  | 45.3 | 2.893  | 19369               | 225  | 1461  |
| THT/ROOF-71-6T-0.75-F-400       | C  | Statico | VSD non necessario | 1.00 | 34.1  | 41.0 | 0.804  | 10743               | 92   | 935   |
| THT/ROOF-71-6T-1-F-400 IE3      | C  | Statico | VSD non necessario | 1.00 | 38.9  | 45.7 | 0.833  | 12404               | 94   | 955   |
| THT/ROOF-71-6T-1.5-F-400 IE3    | C  | Statico | VSD non necessario | 1.00 | 33.9  | 40.0 | 1.107  | 14226               | 95   | 958   |
| THT/ROOF-80-4T-4-F-400 IE3      | C  | Statico | VSD non necessario | 1.00 | 45.8  | 48.8 | 3.309  | 20444               | 267  | 1455  |
| THT/ROOF-80-4T-5.5-F-400 IE3    | C  | Statico | VSD non necessario | 1.00 | 44.8  | 47.4 | 3.902  | 22304               | 282  | 1456  |
| THT/ROOF-80-6T-1.5-F-400 IE3    | C  | Statico | VSD non necessario | 1.00 | 40.8  | 46.6 | 1.206  | 14613               | 121  | 955   |
| THT/ROOF-80-6T-2-F-400 IE3      | C  | Statico | VSD non necessario | 1.00 | 39.8  | 44.7 | 1.738  | 17576               | 142  | 956   |
| THT/ROOF-80-6T-3-F-400 IE3      | C  | Statico | VSD non necessario | 1.00 | 37.4  | 41.5 | 2.298  | 20444               | 151  | 965   |
| THT/ROOF-90-4T-5.5-F-400 IE3    | C  | Statico | VSD non necessario | 1.00 | 51.9  | 54.5 | 3.939  | 25081               | 294  | 1455  |
| THT/ROOF-90-4T-7.5-F-400 IE3    | C  | Statico | VSD non necessario | 1.00 | 49.0  | 50.4 | 6.089  | 31521               | 340  | 1465  |
| THT/ROOF-90-4T-10-F-400 IE3     | C  | Statico | VSD non necessario | 1.01 | 45.9  | 46.6 | 7.761  | 35009               | 366  | 1477  |
| THT/ROOF-90-6T-2-F-400 IE3      | C  | Statico | VSD non necessario | 1.00 | 46.5  | 51.5 | 1.602  | 19416               | 138  | 959   |
| THT/ROOF-90-6T-3-F-400 IE3      | C  | Statico | VSD non necessario | 1.00 | 41.5  | 45.3 | 2.593  | 23831               | 163  | 960   |
| THT/ROOF-90-6T-4-F-400 IE3      | C  | Statico | VSD non necessario | 1.00 | 38.4  | 41.3 | 3.459  | 27183               | 176  | 970   |
| THT/ROOF-100-4T-7.5-F-400 IE3   | C  | Statico | VSD non necessario | 1.00 | 53.6  | 55.4 | 5.104  | 30466               | 323  | 1471  |
| THT/ROOF-100-4T-10-F-400 IE3    | C  | Statico | VSD non necessario | 1.00 | 48.7  | 49.3 | 8.144  | 37591               | 380  | 1476  |
| THT/ROOF-100-4T-15-F-400 IE3    | C  | Statico | VSD non necessario | 1.01 | 44.6  | 44.5 | 11.891 | 44571               | 428  | 1480  |
| THT/ROOF-100-4T-20-F-400 IE3    | C  | Statico | VSD non necessario | 1.01 | 40.7  | 40.4 | 15.945 | 50259               | 465  | 1485  |
| THT/ROOF-100-6T-3-F-400 IE3     | C  | Statico | VSD non necessario | 1.00 | 45.5  | 49.3 | 2.454  | 24629               | 163  | 963   |
| THT/ROOF-100-6T-4-F-400 IE3     | C  | Statico | VSD non necessario | 1.00 | 44.7  | 47.9 | 3.080  | 27632               | 179  | 974   |
| THT/ROOF-100-6T-5.5-F-400 IE3   | C  | Statico | VSD non necessario | 1.00 | 39.4  | 41.7 | 4.375  | 32567               | 191  | 971   |
| THT/ROOF-125-4T/6-25-F-400 IE3  | C  | Statico | VSD non necessario | 1.01 | 58.3  | 57.9 | 18.443 | 63848               | 606  | 1486  |
| THT/ROOF-125-4T/6-30-F-400 IE3  | C  | Statico | VSD non necessario | 1.01 | 57.3  | 56.8 | 21.375 | 68837               | 640  | 1486  |
| THT/ROOF-125-4T/6-40-F-400 IE3  | C  | Statico | VSD non necessario | 1.01 | 55.5  | 54.7 | 30.430 | 85910               | 708  | 1488  |
| THT/ROOF-125-4T/6-50-F-400 IE3  | C  | Statico | VSD non necessario | 1.01 | 52.8  | 51.9 | 38.277 | 93638               | 777  | 1481  |
| THT/ROOF-125-4T/9-25-F-400 IE3  | C  | Statico | VSD non necessario | 1.01 | 62.6  | 62.1 | 20.171 | 41359               | 1099 | 1485  |
| THT/ROOF-125-4T/9-30-F-400 IE3  | C  | Statico | VSD non necessario | 1.01 | 58.4  | 57.8 | 22.062 | 50452               | 919  | 1486  |
| THT/ROOF-125-4T/9-40-F-400 IE3  | C  | Statico | VSD non necessario | 1.01 | 54.2  | 53.5 | 28.045 | 80439               | 680  | 1489  |
| THT/ROOF-125-4T/9-50-F-400 IE3  | C  | Statico | VSD non necessario | 1.01 | 52.5  | 51.5 | 37.988 | 94456               | 760  | 1481  |
| THT/ROOF-125-6T/6-5.5-F-400 IE3 | C  | Statico | VSD non necessario | 1.00 | 53.8  | 56.2 | 4.226  | 34565               | 237  | 972   |
| THT/ROOF-125-6T/6-7.5-F-400 IE3 | C  | Statico | VSD non necessario | 1.00 | 55.2  | 56.9 | 5.481  | 41832               | 260  | 974   |
| THT/ROOF-125-6T/6-10-F-400 IE3  | C  | Statico | VSD non necessario | 1.00 | 54.3  | 54.9 | 7.976  | 53067               | 294  | 972   |
| THT/ROOF-125-6T/6-15-F-400 IE3  | C  | Statico | VSD non necessario | 1.00 | 50.6  | 50.6 | 11.243 | 61349               | 334  | 968   |
| THT/ROOF-125-6T/6-20-F-400 IE3  | C  | Statico | VSD non necessario | 1.00 | 45.6  | 45.4 | 14.056 | 69759               | 331  | 983   |
| THT/ROOF-125-6T/9-10-F-400 IE3  | C  | Statico | VSD non necessario | 1.00 | 54.2  | 55.2 | 6.861  | 48390               | 276  | 976   |
| THT/ROOF-125-6T/9-15-F-400 IE3  | C  | Statico | VSD non necessario | 1.00 | 50.3  | 50.2 | 11.158 | 61885               | 326  | 968   |
| THT/ROOF-125-6T/9-20-F-400 IE3  | C  | Statico | VSD non necessario | 1.01 | 49.4  | 49.1 | 15.123 | 69606               | 386  | 982   |
| THT/ROOF-40-6T-0.75-F-300       | A  | Statico | VSD non necessario | 1.00 | 25.4  | 38.3 | 0.090  | 2422                | 35   | 992   |
| THT/ROOF-56-4T-1-F-300 IE3      | A  | Statico | VSD non necessario | 1.00 | 38.9  | 45.8 | 0.802  | 7959                | 141  | 1433  |
| THT/ROOF-56-4T-1.5-F-300 IE3    | B  | Totale  | VSD non necessario | 1.00 | 49.6  | 55.4 | 1.217  | 11615               | 187  | 1439  |
| THT/ROOF-63-4T-1.5-F-300 IE3    | C  | Statico | VSD non necessario | 1.00 | 49.5  | 55.4 | 1.156  | 10625               | 194  | 1442  |
| THT/ROOF-63-4T-2-F-300 IE3      | C  | Statico | VSD non necessario | 1.00 | 43.5  | 48.7 | 1.510  | 12026               | 196  | 1448  |
| THT/ROOF-63-4T-3-F-300 IE3      | B  | Totale  | VSD non necessario | 1.00 | 63.7  | 67.7 | 2.373  | 20298               | 268  | 1467  |
| THT/ROOF-63-4T-4-F-300 IE3      | B  | Totale  | VSD non necessario | 1.00 | 64.2  | 67.6 | 2.935  | 24239               | 280  | 1460  |
| THT/ROOF-63-6T-0.75-F-300       | B  | Totale  | VSD non necessario | 1.00 | 48.6  | 55.8 | 0.724  | 12156               | 104  | 916   |
| THT/ROOF-63-6T-1-F-300 IE3      | B  | Totale  | VSD non necessario | 1.00 | 57.6  | 64.2 | 0.920  | 15881               | 120  | 951   |

| Modello                         | MC | EC      | VSD                | SR   | $\eta_e$ [%] | N    | [kW]   | [m <sup>3</sup> /h] | [Pa] | [RPM] |
|---------------------------------|----|---------|--------------------|------|--------------|------|--------|---------------------|------|-------|
| THT/ROOF-71-4T-2-F-300 IE3      | C  | Statico | VSD non necessario | 1.00 | 49.7         | 55.0 | 1.456  | 13405               | 194  | 1450  |
| THT/ROOF-71-4T-3-F-300 IE3      | C  | Statico | VSD non necessario | 1.00 | 44.2         | 48.2 | 2.297  | 17056               | 214  | 1468  |
| THT/ROOF-71-4T-4-F-300 IE3      | C  | Statico | VSD non necessario | 1.00 | 41.9         | 45.3 | 2.893  | 19369               | 225  | 1461  |
| THT/ROOF-71-6T-0.75-F-300       | C  | Statico | VSD non necessario | 1.00 | 34.1         | 41.0 | 0.804  | 10743               | 92   | 906   |
| THT/ROOF-71-6T-1-F-300 IE3      | C  | Statico | VSD non necessario | 1.00 | 38.9         | 45.7 | 0.833  | 12404               | 94   | 955   |
| THT/ROOF-71-6T-1.5-F-300 IE3    | C  | Statico | VSD non necessario | 1.00 | 33.9         | 40.0 | 1.107  | 14226               | 95   | 958   |
| THT/ROOF-80-4T-4-F-300 IE3      | C  | Statico | VSD non necessario | 1.00 | 45.8         | 48.8 | 3.309  | 20444               | 267  | 1455  |
| THT/ROOF-80-4T-5.5-F-300 IE3    | C  | Statico | VSD non necessario | 1.00 | 44.8         | 47.4 | 3.902  | 22304               | 282  | 1456  |
| THT/ROOF-80-6T-1.5-F-300 IE3    | C  | Statico | VSD non necessario | 1.00 | 40.8         | 46.6 | 1.206  | 14613               | 121  | 955   |
| THT/ROOF-80-6T-2-F-300 IE3      | C  | Statico | VSD non necessario | 1.00 | 39.8         | 44.7 | 1.738  | 17576               | 142  | 956   |
| THT/ROOF-80-6T-3-F-300 IE3      | C  | Statico | VSD non necessario | 1.00 | 37.4         | 41.5 | 2.298  | 20444               | 151  | 965   |
| THT/ROOF-90-4T-5.5-F-300 IE3    | C  | Statico | VSD non necessario | 1.00 | 51.9         | 54.5 | 3.939  | 25081               | 294  | 1455  |
| THT/ROOF-90-4T-7.5-F-300 IE3    | C  | Statico | VSD non necessario | 1.00 | 49.0         | 50.4 | 6.089  | 31521               | 340  | 1465  |
| THT/ROOF-90-4T-10-F-300 IE3     | C  | Statico | VSD non necessario | 1.01 | 45.9         | 46.6 | 7.761  | 35009               | 366  | 1477  |
| THT/ROOF-90-6T-2-F-300 IE3      | C  | Statico | VSD non necessario | 1.00 | 46.5         | 51.5 | 1.602  | 19416               | 138  | 959   |
| THT/ROOF-90-6T-3-F-300 IE3      | C  | Statico | VSD non necessario | 1.00 | 41.5         | 45.3 | 2.593  | 23831               | 163  | 960   |
| THT/ROOF-90-6T-4-F-300 IE3      | C  | Statico | VSD non necessario | 1.00 | 38.4         | 41.3 | 3.459  | 27183               | 176  | 970   |
| THT/ROOF-100-4T-7.5-F-300 IE3   | C  | Statico | VSD non necessario | 1.00 | 53.6         | 55.4 | 5.104  | 30466               | 323  | 1471  |
| THT/ROOF-100-4T-10-F-300 IE3    | C  | Statico | VSD non necessario | 1.00 | 48.7         | 49.3 | 8.144  | 37591               | 380  | 1476  |
| THT/ROOF-100-4T-15-F-300 IE3    | C  | Statico | VSD non necessario | 1.01 | 44.6         | 44.5 | 11.891 | 44571               | 428  | 1480  |
| THT/ROOF-100-4T-20-F-300 IE3    | C  | Statico | VSD non necessario | 1.01 | 40.7         | 40.4 | 15.945 | 50259               | 465  | 1485  |
| THT/ROOF-100-6T-3-F-300 IE3     | C  | Statico | VSD non necessario | 1.00 | 45.5         | 49.3 | 2.454  | 24629               | 163  | 963   |
| THT/ROOF-100-6T-4-F-300 IE3     | C  | Statico | VSD non necessario | 1.00 | 44.7         | 47.9 | 3.080  | 27632               | 179  | 974   |
| THT/ROOF-100-6T-5.5-F-300 IE3   | C  | Statico | VSD non necessario | 1.00 | 39.4         | 41.7 | 4.375  | 32567               | 191  | 971   |
| THT/ROOF-125-4T/6-25-F-300 IE3  | C  | Statico | VSD non necessario | 1.01 | 58.3         | 57.9 | 18.443 | 63848               | 606  | 1486  |
| THT/ROOF-125-4T/6-30-F-300 IE3  | C  | Statico | VSD non necessario | 1.01 | 57.3         | 56.8 | 21.375 | 68837               | 640  | 1486  |
| THT/ROOF-125-4T/6-40-F-300 IE3  | C  | Statico | VSD non necessario | 1.01 | 55.5         | 54.7 | 30.430 | 85910               | 708  | 1488  |
| THT/ROOF-125-4T/6-50-F-300 IE3  | C  | Statico | VSD non necessario | 1.01 | 52.8         | 51.9 | 38.277 | 93638               | 777  | 1481  |
| THT/ROOF-125-4T/9-25-F-300 IE3  | C  | Statico | VSD non necessario | 1.01 | 62.6         | 62.1 | 20.171 | 41359               | 1099 | 1485  |
| THT/ROOF-125-4T/9-30-F-300 IE3  | C  | Statico | VSD non necessario | 1.01 | 58.4         | 57.8 | 22.062 | 50452               | 919  | 1486  |
| THT/ROOF-125-4T/9-40-F-300 IE3  | C  | Statico | VSD non necessario | 1.01 | 54.2         | 53.5 | 28.045 | 80439               | 680  | 1489  |
| THT/ROOF-125-4T/9-50-F-300 IE3  | C  | Statico | VSD non necessario | 1.01 | 52.5         | 51.5 | 37.988 | 94456               | 760  | 1481  |
| THT/ROOF-125-6T/6-5.5-F-300 IE3 | C  | Statico | VSD non necessario | 1.00 | 53.8         | 56.2 | 4.226  | 34565               | 237  | 972   |
| THT/ROOF-125-6T/6-7.5-F-300 IE3 | C  | Statico | VSD non necessario | 1.00 | 55.2         | 56.9 | 5.481  | 41832               | 260  | 974   |
| THT/ROOF-125-6T/6-10-F-300 IE3  | C  | Statico | VSD non necessario | 1.00 | 54.3         | 54.9 | 7.976  | 53067               | 294  | 972   |
| THT/ROOF-125-6T/6-15-F-300 IE3  | C  | Statico | VSD non necessario | 1.00 | 50.6         | 50.6 | 11.243 | 61349               | 334  | 968   |
| THT/ROOF-125-6T/6-20-F-300 IE3  | C  | Statico | VSD non necessario | 1.00 | 45.6         | 45.4 | 14.056 | 69759               | 331  | 983   |
| THT/ROOF-125-6T/9-10-F-300 IE3  | C  | Statico | VSD non necessario | 1.00 | 54.2         | 55.2 | 6.861  | 48390               | 276  | 976   |
| THT/ROOF-125-6T/9-15-F-300 IE3  | C  | Statico | VSD non necessario | 1.00 | 50.3         | 50.2 | 11.158 | 61885               | 326  | 968   |
| THT/ROOF-125-6T/9-20-F-300 IE3  | C  | Statico | VSD non necessario | 1.01 | 49.4         | 49.1 | 15.123 | 69606               | 386  | 982   |