



# ΠΙΣΤΟΠΟΙΗΤΙΚΑ

## CERTIFICATES



**ErP REPORT**

# ECODESIGN INFORMATION

According to Regulation EU No 327/2011 of the European Commission, implementing Directive 2009/125/CE of European Parliament Apply to fans

SODECA, S.L.U.

www.sodeca.com

## ERP: Performance at the best efficiency point (BEP)

|     |                      |
|-----|----------------------|
| MC  | Measurement category |
| EC  | Efficiency category  |
| VSD | Variable Speed Drive |
| SR  | Specific ratio       |

|                     |                                  |
|---------------------|----------------------------------|
| [m <sup>3</sup> /h] | Flowrate                         |
| [Pa]                | Static pressure / Total pressure |
| [RPM]               | Speed                            |

|        |                  |
|--------|------------------|
| ηe [%] | Efficiency       |
| N      | Efficiency grade |
| [kW]   | Input power      |

| Model                 | MC                      | EC     | VSD               | SR   | ηe[%] | N    | [kW]  | [m <sup>3</sup> /h] | [Pa] | [RPM] |
|-----------------------|-------------------------|--------|-------------------|------|-------|------|-------|---------------------|------|-------|
| HCT-25-2T/PL          | A                       | Static | VSD not necessary | 1.00 | 28.8  | 40.3 | 0.148 | 1196                | 128  | 2691  |
| HCT-25-4T/PL          | ErP Exclude. Pe < 125 W |        |                   |      |       |      |       |                     |      |       |
| HCT-25-4M/PL          | ErP Exclude. Pe < 125 W |        |                   |      |       |      |       |                     |      |       |
| HCT-31-2T/PL          | A                       | Static | VSD not necessary | 1.00 | 30.2  | 40.5 | 0.243 | 1708                | 155  | 2781  |
| HCT-31-4T/PL          | ErP Exclude. Pe < 125 W |        |                   |      |       |      |       |                     |      |       |
| HCT-31-4M/PL          | ErP Exclude. Pe < 125 W |        |                   |      |       |      |       |                     |      |       |
| HCT-35-2T/PL          | A                       | Static | VSD not necessary | 1.00 | 37.1  | 45.2 | 0.52  | 2998                | 229  | 2737  |
| HCT-35-2M/PL          | A                       | Static | VSD not necessary | 1.00 | 36.5  | 44.6 | 0.52  | 2983                | 231  | 2791  |
| HCT-35-4T/PL          | A                       | Static | VSD not necessary | 1.00 | 28    | 40.1 | 0.125 | 1857                | 68   | 1375  |
| HCT-35-4M/PL          | A                       | Static | VSD not necessary | 1.00 | 28    | 40.1 | 0.125 | 1857                | 68   | 1422  |
| HCT-40-4T-0.33/PL     | A                       | Static | VSD not necessary | 1.00 | 32    | 41.7 | 0.29  | 3401                | 98   | 1396  |
| HCT-45-4T-0.5/PL      | A                       | Static | VSD not necessary | 1.00 | 33.4  | 41.8 | 0.47  | 4228                | 135  | 1392  |
| HCT-45-4M-0.5/PL      | A                       | Static | VSD not necessary | 1.00 | 32.3  | 40.5 | 0.493 | 4228                | 135  | 1417  |
| HCT-50-4T-0.75/PL     | A                       | Static | VSD not necessary | 1.00 | 32.4  | 40.2 | 0.59  | 3719                | 185  | 1415  |
| HCT-56-4T-0.75/PL     | A                       | Static | VSD not necessary | 1.00 | 33.2  | 40.6 | 0.66  | 6808                | 116  | 1405  |
| HCT-56-4T-1/PL IE3    | A                       | Static | VSD not necessary | 1.00 | 34.7  | 41.9 | 0.728 | 6599                | 138  | 1436  |
| HCT-56-4T-1.5/PL IE3  | B                       | Total  | VSD not necessary | 1.00 | 66.6  | 73.1 | 0.947 | 12945               | 175  | 1467  |
| HCT-56-4T-2/PL IE3    | B                       | Total  | VSD not necessary | 1.00 | 53.8  | 59   | 1.525 | 13761               | 215  | 1447  |
| HCT-56-6T-0.33/PL     | A                       | Static | VSD not necessary | 1.00 | 31.4  | 41.7 | 0.24  | 3564                | 75   | 943   |
| HCT-63-4T-1/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 47.3  | 54.3 | 0.757 | 8989                | 143  | 1433  |
| HCT-63-4T-1.5/PL IE3  | C                       | Static | VSD not necessary | 1.00 | 47    | 52.9 | 1.137 | 10593               | 181  | 1460  |
| HCT-63-4T-2/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 47    | 52.4 | 1.418 | 11688               | 205  | 1451  |
| HCT-63-4T-3/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 36.9  | 41.3 | 2.04  | 14963               | 181  | 1448  |
| HCT-63-4T-4/PL IE3    | B                       | Total  | VSD not necessary | 1.00 | 66.8  | 69.8 | 3.311 | 23293               | 342  | 1442  |
| HCT-63-6T-0.5/PL      | C                       | Static | VSD not necessary | 1.00 | 32.7  | 41.1 | 0.47  | 6417                | 87   | 921   |
| HCT-63-6T-0.75/PL     | C                       | Static | VSD not necessary | 1.00 | 32.6  | 40.6 | 0.55  | 6936                | 93   | 933   |
| HCT-71-4T-1.5/PL IE3  | C                       | Static | VSD not necessary | 1.00 | 55.3  | 61.2 | 1.177 | 11355               | 206  | 1459  |
| HCT-71-4T-2/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 52.4  | 57.7 | 1.445 | 13256               | 205  | 1450  |
| HCT-71-4T-3/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 47    | 51.3 | 2.152 | 14513               | 251  | 1445  |
| HCT-71-4T-4/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 39.5  | 42.6 | 3.313 | 18688               | 252  | 1442  |
| HCT-71-6T-0.75/PL     | C                       | Static | VSD not necessary | 1.00 | 35.7  | 43   | 0.71  | 8036                | 114  | 913   |
| HCT-71-6T-1/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 36.6  | 43.7 | 0.769 | 8550                | 118  | 951   |
| HCT-71-6T-1.5/PL IE3  | C                       | Static | VSD not necessary | 1.00 | 39.2  | 45.3 | 1.08  | 12806               | 119  | 956   |
| HCT-80-4T-3/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 58.6  | 62.7 | 2.237 | 16178               | 292  | 1442  |
| HCT-80-4T-4/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 55.6  | 58.8 | 3.156 | 19442               | 325  | 1444  |
| HCT-80-4T-5.5/PL IE3  | C                       | Static | VSD not necessary | 1.00 | 52.6  | 55.1 | 4.112 | 20980               | 371  | 1454  |
| HCT-80-6T-1/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 49.9  | 56.5 | 0.904 | 12168               | 134  | 943   |
| HCT-80-6T-1.5/PL IE3  | C                       | Static | VSD not necessary | 1.00 | 48.3  | 53.9 | 1.333 | 15312               | 152  | 946   |
| HCT-80-6T-2/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 43.8  | 48.6 | 1.773 | 16826               | 166  | 951   |
| HCT-80-6T-3/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 37.6  | 41.6 | 2.318 | 18762               | 167  | 955   |
| HCT-90-4T-4/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 59.9  | 63   | 3.266 | 20308               | 347  | 1443  |
| HCT-90-4T-5.5/PL IE3  | C                       | Static | VSD not necessary | 1.00 | 57.5  | 59.9 | 4.209 | 24635               | 354  | 1453  |
| HCT-90-4T-7.5/PL IE3  | C                       | Static | VSD not necessary | 1.01 | 55.1  | 56.6 | 5.806 | 26945               | 427  | 1466  |
| HCT-90-4T-10/PL IE3   | C                       | Static | VSD not necessary | 1.01 | 52.2  | 53   | 7.582 | 33102               | 430  | 1467  |
| HCT-90-6T-3/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 44.7  | 48.7 | 2.396 | 22079               | 175  | 954   |
| HCT-90-6T-4/PL IE3    | C                       | Static | VSD not necessary | 1.00 | 39.7  | 43   | 3.019 | 22590               | 191  | 974   |
| HCT-100-4T-7.5/PL IE3 | C                       | Static | VSD not necessary | 1.00 | 52.8  | 54.3 | 5.768 | 27281               | 402  | 1467  |
| HCT-100-4T-10/PL IE3  | C                       | Static | VSD not necessary | 1.00 | 49.3  | 50.1 | 7.688 | 36164               | 377  | 1467  |
| HCT-100-6T-3/PL IE3   | C                       | Static | VSD not necessary | 1.00 | 49.2  | 53.1 | 2.368 | 23849               | 176  | 954   |
| HCT-100-6T-4/PL IE3   | C                       | Static | VSD not necessary | 1.00 | 44.7  | 47.6 | 3.451 | 28766               | 193  | 970   |
| HCT-100-6T-5.5/PL IE3 | C                       | Static | VSD not necessary | 1.00 | 42.7  | 44.9 | 4.53  | 32856               | 212  | 961   |
| HCT-25-2T/AL          | A                       | Static | VSD not necessary | 1.00 | 28.8  | 40.3 | 0.148 | 1196                | 128  | 2691  |
| HCT-25-4T/AL          | ErP Exclude. Pe < 125 W |        |                   |      |       |      |       |                     |      |       |
| HCT-25-4M/AL          | ErP Exclude. Pe < 125 W |        |                   |      |       |      |       |                     |      |       |
| HCT-31-2T/AL          | A                       | Static | VSD not necessary | 1.00 | 30.2  | 40.5 | 0.243 | 1708                | 155  | 2781  |
| HCT-31-4T/AL          | ErP Exclude. Pe < 125 W |        |                   |      |       |      |       |                     |      |       |
| HCT-31-4M/AL          | ErP Exclude. Pe < 125 W |        |                   |      |       |      |       |                     |      |       |
| HCT-35-2T/AL          | A                       | Static | VSD not necessary | 1.00 | 37.1  | 45.2 | 0.52  | 2998                | 229  | 2737  |
| HCT-35-2M/AL          | A                       | Static | VSD not necessary | 1.00 | 36.5  | 44.6 | 0.52  | 2983                | 231  | 2791  |
| HCT-35-4T/AL          | A                       | Static | VSD not necessary | 1.00 | 28    | 40.1 | 0.125 | 1857                | 68   | 1375  |
| HCT-35-4M/AL          | A                       | Static | VSD not necessary | 1.00 | 28    | 40.1 | 0.125 | 1857                | 68   | 1422  |

| Model                 | MC | EC     | VSD               | SR   | $\eta_e[\%]$ | N    | [kW]   | [m <sup>3</sup> /h] | [Pa] | [RPM] |
|-----------------------|----|--------|-------------------|------|--------------|------|--------|---------------------|------|-------|
| HCT-40-2T-1.5/AL IE3  | A  | Static | VSD not necessary | 1.00 | 35.7         | 42   | 0.98   | 4355                | 289  | 2873  |
| HCT-40-4T-0.33/AL     | A  | Static | VSD not necessary | 1.00 | 32           | 41.7 | 0.29   | 3401                | 98   | 1396  |
| HCT-45-2T-2/AL IE3    | A  | Static | VSD not necessary | 1.00 | 38.8         | 44   | 1.499  | 5401                | 387  | 2894  |
| HCT-45-2T-3/AL IE3    | A  | Static | VSD not necessary | 1.00 | 40.3         | 44.8 | 1.965  | 8201                | 348  | 2930  |
| HCT-45-4T-0.5/AL      | A  | Static | VSD not necessary | 1.00 | 33.4         | 41.8 | 0.47   | 4228                | 135  | 1392  |
| HCT-45-4M-0.5/AL      | A  | Static | VSD not necessary | 1.00 | 32.3         | 40.5 | 0.493  | 4228                | 135  | 1417  |
| HCT-50-4T-0.75/AL     | A  | Static | VSD not necessary | 1.00 | 32.4         | 40.2 | 0.59   | 3719                | 185  | 1415  |
| HCT-56-4T-0.75/AL     | A  | Static | VSD not necessary | 1.00 | 33.2         | 40.6 | 0.66   | 6808                | 116  | 1405  |
| HCT-56-4T-1/AL IE3    | A  | Static | VSD not necessary | 1.00 | 34.7         | 41.9 | 0.728  | 6599                | 138  | 1436  |
| HCT-56-4T-1.5/AL IE3  | B  | Total  | VSD not necessary | 1.00 | 66.6         | 73.1 | 0.947  | 12945               | 175  | 1467  |
| HCT-56-4T-2/AL IE3    | B  | Total  | VSD not necessary | 1.00 | 53.8         | 59   | 1.525  | 13761               | 215  | 1447  |
| HCT-56-6T-0.33/AL     | A  | Static | VSD not necessary | 1.00 | 31.4         | 41.7 | 0.24   | 3564                | 75   | 943   |
| HCT-63-4T-1/AL IE3    | C  | Static | VSD not necessary | 1.00 | 47.3         | 54.3 | 0.757  | 8989                | 143  | 1433  |
| HCT-63-4T-1.5/AL IE3  | C  | Static | VSD not necessary | 1.00 | 47           | 52.9 | 1.137  | 10593               | 181  | 1460  |
| HCT-63-4T-2/AL IE3    | C  | Static | VSD not necessary | 1.00 | 47           | 52.4 | 1.418  | 11688               | 205  | 1451  |
| HCT-63-4T-3/AL IE3    | C  | Static | VSD not necessary | 1.00 | 36.9         | 41.3 | 2.04   | 14963               | 181  | 1448  |
| HCT-63-4T-4/AL IE3    | B  | Total  | VSD not necessary | 1.00 | 66.8         | 69.8 | 3.311  | 23293               | 342  | 1442  |
| HCT-63-6T-0.5/AL      | C  | Static | VSD not necessary | 1.00 | 32.7         | 41.1 | 0.47   | 6417                | 87   | 921   |
| HCT-63-6T-0.75/AL     | C  | Static | VSD not necessary | 1.00 | 32.6         | 40.6 | 0.55   | 6936                | 93   | 933   |
| HCT-71-4T-1.5/AL IE3  | C  | Static | VSD not necessary | 1.00 | 55.3         | 61.2 | 1.177  | 11355               | 206  | 1459  |
| HCT-71-4T-2/AL IE3    | C  | Static | VSD not necessary | 1.00 | 52.4         | 57.7 | 1.445  | 13256               | 205  | 1450  |
| HCT-71-4T-3/AL IE3    | C  | Static | VSD not necessary | 1.00 | 47           | 51.3 | 2.152  | 14513               | 251  | 1445  |
| HCT-71-4T-4/AL IE3    | C  | Static | VSD not necessary | 1.00 | 39.5         | 42.6 | 3.313  | 18688               | 252  | 1442  |
| HCT-71-6T-0.75/AL     | C  | Static | VSD not necessary | 1.00 | 35.7         | 43   | 0.71   | 8036                | 114  | 913   |
| HCT-71-6T-1/AL IE3    | C  | Static | VSD not necessary | 1.00 | 36.6         | 43.7 | 0.769  | 8550                | 118  | 951   |
| HCT-71-6T-1.5/AL IE3  | C  | Static | VSD not necessary | 1.00 | 39.2         | 45.3 | 1.08   | 12806               | 119  | 956   |
| HCT-80-4T-3/AL IE3    | C  | Static | VSD not necessary | 1.00 | 58.6         | 62.7 | 2.237  | 16178               | 292  | 1442  |
| HCT-80-4T-4/AL IE3    | C  | Static | VSD not necessary | 1.00 | 55.6         | 58.8 | 3.156  | 19442               | 325  | 1444  |
| HCT-80-4T-5.5/AL IE3  | C  | Static | VSD not necessary | 1.00 | 52.6         | 55.1 | 4.112  | 20980               | 371  | 1454  |
| HCT-80-6T-1/AL IE3    | C  | Static | VSD not necessary | 1.00 | 49.9         | 56.5 | 0.904  | 12168               | 134  | 943   |
| HCT-80-6T-1.5/AL IE3  | C  | Static | VSD not necessary | 1.00 | 48.3         | 53.9 | 1.333  | 15312               | 152  | 946   |
| HCT-80-6T-2/AL IE3    | C  | Static | VSD not necessary | 1.00 | 43.8         | 48.6 | 1.773  | 16826               | 166  | 951   |
| HCT-80-6T-3/AL IE3    | C  | Static | VSD not necessary | 1.00 | 37.6         | 41.6 | 2.318  | 18762               | 167  | 955   |
| HCT-90-4T-4/AL IE3    | C  | Static | VSD not necessary | 1.00 | 59.9         | 63   | 3.266  | 20308               | 347  | 1443  |
| HCT-90-4T-5.5/AL IE3  | C  | Static | VSD not necessary | 1.00 | 57.5         | 59.9 | 4.209  | 24635               | 354  | 1453  |
| HCT-90-4T-7.5/AL IE3  | C  | Static | VSD not necessary | 1.01 | 55.1         | 56.6 | 5.806  | 26945               | 427  | 1466  |
| HCT-90-4T-10/AL IE3   | C  | Static | VSD not necessary | 1.01 | 52.2         | 53   | 7.582  | 33102               | 430  | 1467  |
| HCT-90-6T-3/AL IE3    | C  | Static | VSD not necessary | 1.00 | 44.7         | 48.7 | 2.396  | 22079               | 175  | 954   |
| HCT-90-6T-4/AL IE3    | C  | Static | VSD not necessary | 1.00 | 39.7         | 43   | 3.019  | 22590               | 191  | 974   |
| HCT-100-4T-7.5/AL IE3 | C  | Static | VSD not necessary | 1.00 | 52.8         | 54.3 | 5.768  | 27281               | 402  | 1467  |
| HCT-100-4T-10/AL IE3  | C  | Static | VSD not necessary | 1.00 | 49.3         | 50.1 | 7.688  | 36164               | 377  | 1467  |
| HCT-100-4T-15/AL IE3  | C  | Static | VSD not necessary | 1.01 | 48.9         | 48.9 | 11.265 | 44388               | 446  | 1472  |
| HCT-100-4T-20/AL IE3  | C  | Static | VSD not necessary | 1.01 | 45.2         | 45.1 | 13.183 | 46050               | 466  | 1472  |
| HCT-100-6T-3/AL IE3   | C  | Static | VSD not necessary | 1.00 | 49.2         | 53.1 | 2.368  | 23849               | 176  | 954   |
| HCT-100-6T-4/AL IE3   | C  | Static | VSD not necessary | 1.00 | 44.7         | 47.6 | 3.451  | 28766               | 193  | 970   |
| HCT-100-6T-5.5/AL IE3 | C  | Static | VSD not necessary | 1.00 | 42.7         | 44.9 | 4.53   | 32856               | 212  | 961   |