

Efficiency documentation for 50/60Hz three-phase Squirrel-Cage-Motors

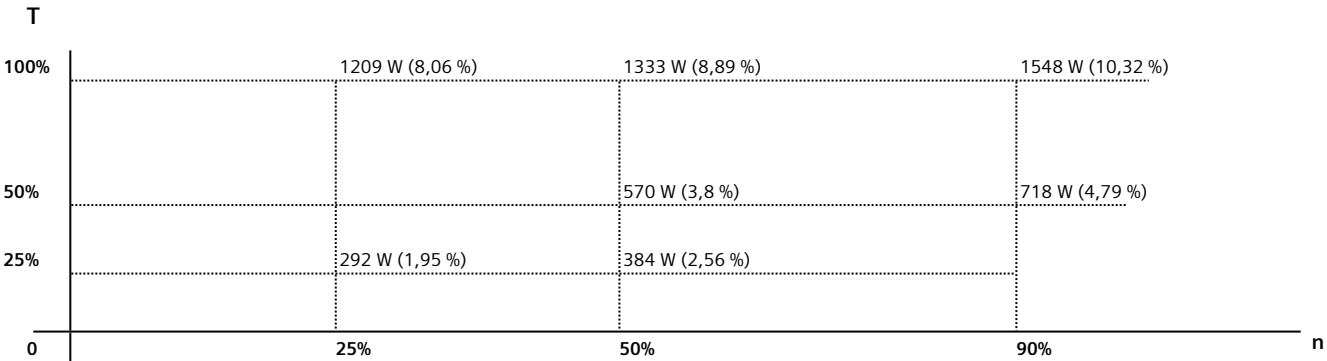
Motor type: 0CV3184C

|                  |                 |           |
|------------------|-----------------|-----------|
| Client order no. | Item-No.        | Offer no. |
| Order no.        | Consignment no. | Project   |
| Remarks          |                 |           |

| General data <sup>1</sup> |     |                     |                     |                    |                        |                     |
|---------------------------|-----|---------------------|---------------------|--------------------|------------------------|---------------------|
| U <sub>N</sub> [V]        | D/Y | f <sub>N</sub> [Hz] | P <sub>N</sub> [kW] | I <sub>N</sub> [A] | n <sub>N</sub> [1/min] | T <sub>N</sub> [Nm] |
| 380                       | Δ   | 50                  | 15.00               | 31                 | 975                    | 147.0               |

| Power losses acc. to COMMISSION REGULATION (EU) 2019/1781 |                           |  |             |
|---|---------------------------|--|-------------|
| Operating point   | Losses P <sub>L</sub> [W] | Relative losses P <sub>L</sub> /P <sub>N</sub> [%] | Voltage [V] |
| P1 (90/100)   | 1548                      | 10.32  | 361         |
| P2 (50/100)   | 1333                      | 8.89   | 209         |
| P3 (25/100)   | 1209                      | 8.06   | 114         |
| P4 (90/50)  | 718                       | 4.79   | 350         |
| P5 (50/50)  | 570                       | 3.8  | 199         |
| P6 (50/25)  | 384                       | 2.56   | 194         |
| P7 (25/25)  | 292                       | 1.95   | 100         |

Map of losses - relative losses P<sub>L</sub>/P<sub>N</sub> [%]




Notes:

T as relative T:  $T/T_N$  [%]

-1: at 40 degrees Celsius and 1000 meters

n as relative n:  $n/n_N$  [%]

|  |                      |            |             |  |                 |                  |          |      |
|--|----------------------|------------|-------------|--|-----------------|------------------|----------|------|
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