

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

Motor type: 0CV3205C

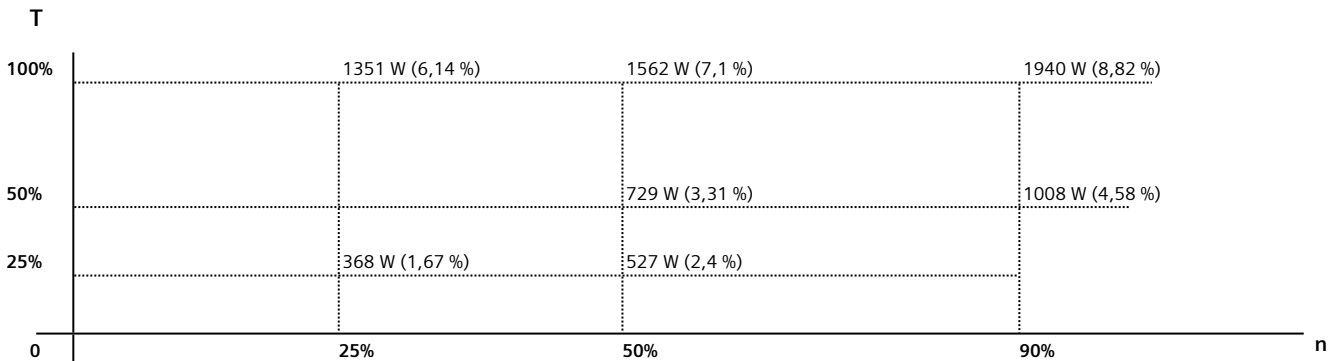
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|------------------|-----------------|-----------|
| Client order no. | Item-No.        | Offer no. |
| Order no.        | Consignment no. | Project   |

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| 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                  | 22.00               | 45.5               | 980                    | 214.0               |

| Power losses acc. to COMMISSION REGULATION (EU) 2019/1781 |                  |                               |             |
|---|------------------|-------------------------------|-------------|
| Operating point   | Losses $P_L$ [W] | Relative losses $P_L/P_N$ [%] | Voltage [V] |
| P1 (90/100)   | 1940             | 8.82                          | 360         |
| P2 (50/100)   | 1562             | 7.1                           | 207         |
| P3 (25/100)   | 1351             | 6.14                          | 111         |
| P4 (90/50)  | 1008             | 4.58                          | 352         |
| P5 (50/50)  | 729              | 3.31                          | 199         |
| P6 (50/25)  | 527              | 2.4                           | 195         |
| P7 (25/25)  | 368              | 1.67                          | 99          |

Map of losses - relative losses  $P_L/P_N$  [%]




**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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