

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

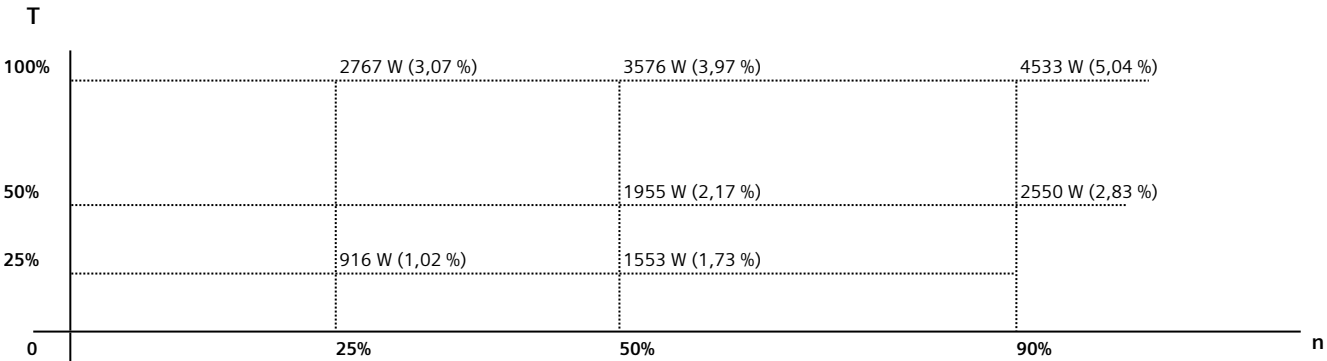
Motor type: 0CV4282B8

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

| General data ¹ | | | | | | |
|---------------------------|-----|---------------------|---------------------|--------------------|------------------------|---------------------|
| U _N [V] | D/Y | f _N [Hz] | P _N [kW] | I _N [A] | n _N [1/min] | T _N [Nm] |
| 380 | Δ | 50 | 90.00 | 162 | 1488 | 578.0 |

| 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) | 4533 | 5.04 | 342 |
| P2 (50/100) | 3576 | 3.97 | 193 |
| P3 (25/100) | 2767 | 3.07 | 100 |
| P4 (90/50) | 2550 | 2.83 | 338 |
| P5 (50/50) | 1955 | 2.17 | 190 |
| P6 (50/25) | 1553 | 1.73 | 188 |
| P7 (25/25) | 916 | 1.02 | 95 |

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