

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

Motor type: 0CV3082B

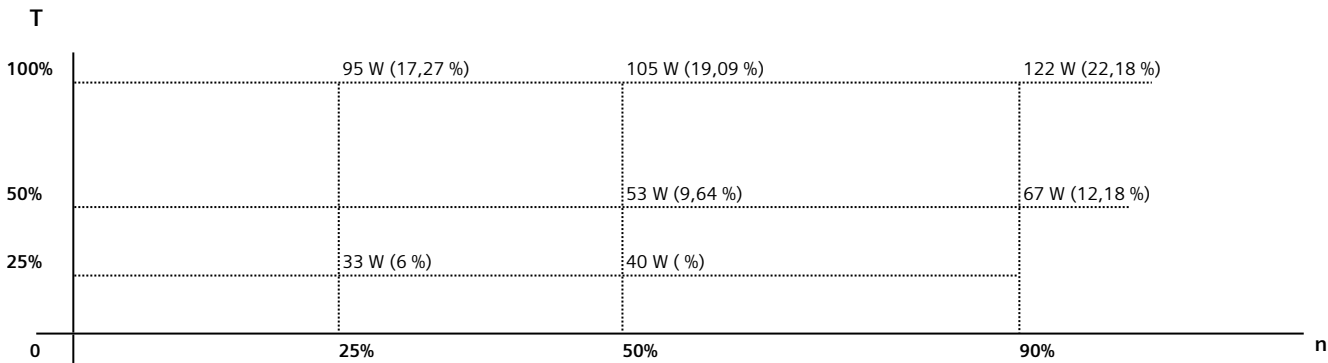
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|------------------|-----------------|-----------|
| Client order no. | Item-No. | Offer no. |
| Order no. | Consignment no. | Project |

| Remarks |
|---------|
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| 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 | Y | 50 | 0.55 | 1.36 | 1445 | 3.6 |

| 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) | 122 | 22.18 | 363 |
| P2 (50/100) | 105 | 19.09 | 219 |
| P3 (25/100) | 95 | 17.27 | 129 |
| P4 (90/50) | 67 | 12.18 | 346 |
| P5 (50/50) | 53 | 9.64 | 201 |
| P6 (50/25) | 40 | 7.27 | 192 |
| P7 (25/25) | 33 | 6.0 | 103 |

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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