

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

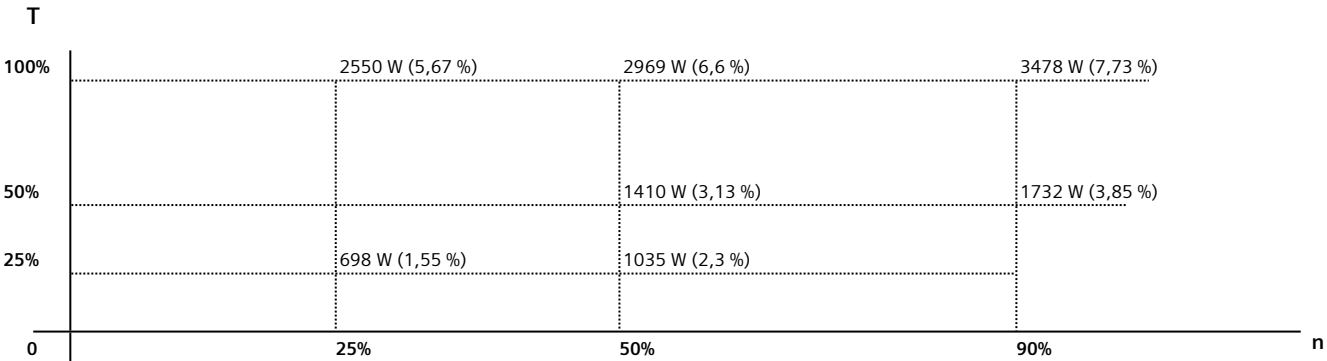
Motor type: 0CV4282D8

| | | |
|------------------|-----------------|-----------|
| 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 | 45.00 | 92 | 740 | 581.0 |

| 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) | 3478 | 7.73 | 342 |
| P2 (50/100) | 2969 | 6.6 | 196 |
| P3 (25/100) | 2550 | 5.67 | 104 |
| P4 (90/50) | 1732 | 3.85 | 334 |
| P5 (50/50) | 1410 | 3.13 | 188 |
| P6 (50/25) | 1035 | 2.3 | 185 |
| P7 (25/25) | 698 | 1.55 | 94 |

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 [%]

| | | | | | | | | |
|--|----------------------|------------|-------------|--|-----------------|------------------|----------|------|
| Responsible department | Technical reference | Created by | Approved by | | | | | |
| IN LVM | | | | | | | | |
|  | Document type | | | | Document status | | | |
| | Datasheet | | | | Released | | | |
| | Document title | | | | Document number | | | |
| | 1TL8014-2DD23-3AA4-Z | | | | | | | |
| | D24 | | | | Revision | Creation date | Language | Page |
| © INNOMOTICS 2024 | | | | | 743 | 2024-10-31 07:26 | en | 1/1 |