

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

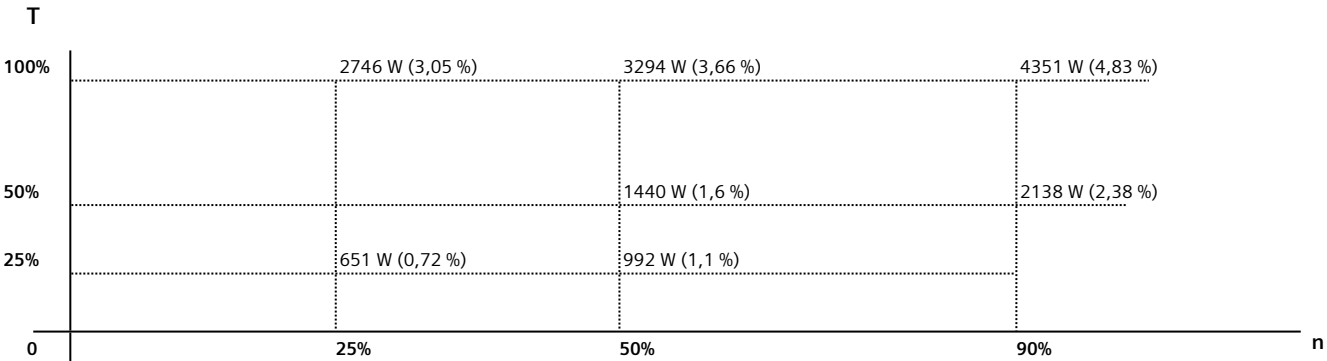
Motor type: 0CV4312C8

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	90.00	172	992	866.0

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)	4351	4.83	343
P2 (50/100)	3294	3.66	193
P3 (25/100)	2746	3.05	100
P4 (90/50)	2138	2.38	337
P5 (50/50)	1440	1.6	189
P6 (50/25)	992	1.1	187
P7 (25/25)	651	0.72	94

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:  $n/n_N$  [%]

Responsible department	Technical reference	Created by	Approved by					
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