

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

Motor type: 0CV3105B

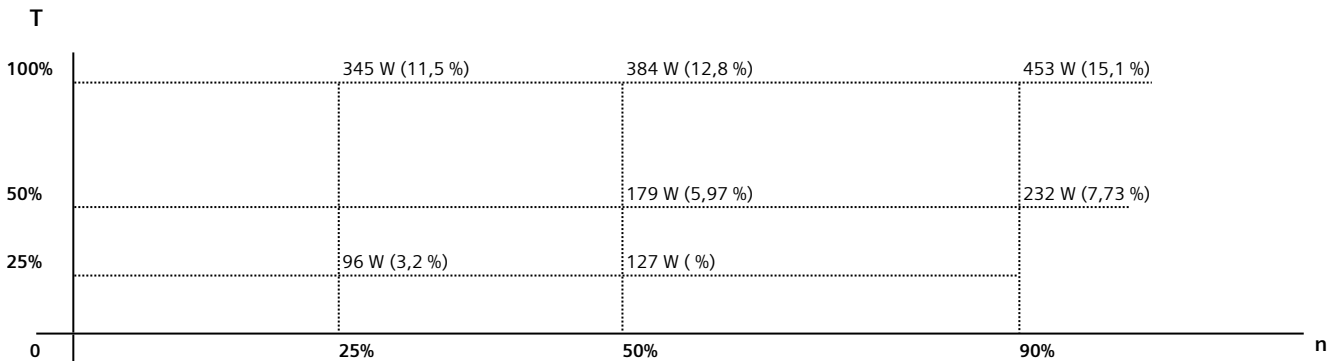
Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

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	Y	50	3.00	6.4	1440	19.9

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)	453	15.1	363
P2 (50/100)	384	12.8	214
P3 (25/100)	345	11.5	121
P4 (90/50)	232	7.73	349
P5 (50/50)	179	5.97	200
P6 (50/25)	127	4.23	193
P7 (25/25)	96	3.2	101

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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