

# Energy Efficiency Certificate

## Drive efficiency according to EN 61800-9-2

Drive Data	
Manufacturer	Nastec srl, Via della Tecnica, 8, 36048, Barbarano Mossano, Vicenza, Italy
Series	VASCO - VAriable Speed COntroller
Model	V409
Apparent output power [kVA]	6,24
Rated motor power [kW]	4,00
Nominal current [A]	9,00
Maximum operation temperature [°C]	40
Nominal frequency [Hz]	50
Voltage [VAC]	3x380-460

Point	Frequency [%]	Current [%]	Relative Loss [%]	Absolute Loss [W]	Efficiency [%]
1	0	25	2,07	128,84	51,61
2	0	50	2,29	142,81	65,04
3	0	100	2,83	176,34	73,64
4	50	25	2,10	130,64	84,03
5	50	50	2,35	146,43	90,07
6	50	100	2,94	183,54	93,61
7	90	25	2,12	132,19	90,34
8	90	50	2,40	149,75	94,11
9	90	100	3,06	190,76	95,87
10	100	100			96,27

It is certified that the Complete Drive Module belongs to the below efficiency class.  
The efficiency is considered at 90% frequency and 100% current with factory settings.

**95,9% IE2**  
efficiency

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