

# 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	V438
Apparent output power [kVA]	26,33
Rated motor power [kW]	18,50
Nominal current [A]	38,00
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	0,67	176,99	76,63
2	0	50	0,83	219,36	83,64
3	0	100	1,32	346,49	86,59
4	50	25	0,72	190,35	93,84
5	50	50	0,93	245,50	95,80
6	50	100	1,52	399,74	96,92
7	90	25	0,77	201,42	96,28
8	90	50	1,02	267,79	97,41
9	90	100	1,70	447,87	97,82
10	100	100			98,03

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.

**97,8% IE2**  
efficiency

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