

2. WORKING CONDITIONS



Physical dimension	Symbol	U.O.M.	NANO-0,75kW	NANO-2,2kW
Inverter protection degree*	IP		IP65*	
Inverter supply voltage	V_{1n}	V	1x 115(-15%) ÷ 240(+10%)	
Inverter supply frequency	f_{1n}	Hz	50/60 (±5%)	
Maximum output voltage of the inverter	V_2	V	$0,95 \cdot V_{1n}$	
Inverter output frequency	f_2	Hz	200% f_{1n} ($f_2 0 \div 100\text{Hz}$ with f_{1n} 50Hz)	
Rated input current to the inverter	I_{1n}	A	5	10
Rated output current from the inverter (to the motor)	I_{2n}	A	3,9	9
Maximum continuous current output from the inverter	I_2	A	$I_{2n} + 5\%$	
Maximum Starting torque / Rated torque ratio	Cs/Cn	Nm	150%	
Maximum Starting current (kept for 3 seconds)	I_{2max}	A	200% I_2	
Storage temperature	T_{stock}	°C	-20 ... +70	
Environmental operating temperature	T_{amb}	°C	0 ... +40	
Maximum relative humidity		% (40°C)	5 ... 85 without condensation	

Tabella 1: condizioni di esercizio

Altre caratteristiche	NANO-0,75kW	NANO-2,2kW
Motor control	V / F	
EMC Filter Class B for DOMESTIC, COMMERCIAL AND LIGHT INDUSTRIAL ENVIRONMENT (ref. EN 50081-1, para 5)	Optional code NANFILT	
Digital/Analogic I/O Module	Optional code NANEXPS	
Power Switch	Optional code INTEM1X12A	
Potentiometer with Knob and Unit Scale	Optional code NANPOT	
Communication Protocol	MODBUS RS485	

For different environmental conditions contact our Support Service.

*The IP65 degree refers to the inverter case and to the optional components on the cover (Power Switch and Potentiometer).