

1. TECHNICAL CHARACTERISTICS

INPUT	Input voltage Input frequency Control voltage	230 a 400Vac ($\pm 10\%$) 3-phases 47 to 62 Hz 230Vac $\pm 10\%$, others under demand
OUTPUT	Motor output voltage Output frequency Efficiency (at full load)	0Vac to V. Input 47 to 62 Hz >99%
ENVIRONMENTAL CONDITIONS	Protection degree Operation temperature Storage temperature Humidity Altitude Altitude losses (> 1000) Cooling	IP00, IP54 0°C to 40°C for IP00 0°C to +50°C for IP54 0°C to +70°C 95% at 40°C, non condensing 1000m -1% per each 100m; maximum 3000m Natural
LEDS INDICATION	LED 1 LED 2 LED 3 LED 4 LED 5 LED 6	Ready Run Overload warning / Underload fault Overload Over-temperature General fault
DIGITAL OUTPUTS	2 change over relays (230Vac, 5A) 1 fault relay 1 instantaneous relay	
MOTOR PROTECTION	Input phase loss Starting limit current Locked rotor Overload Underload Phases imbalance	
SOFTSTARTER PROTECTION	General fault Softstarter over-temperature	
SOFTSTARTER SETTING	Initial torque Acceleration ramp Deceleration ramp Overload: 0.8 to 1.2In Overload time Underload: 0.2 to 0.6In Underload time Current limit: 1 to 5In	
CERTIFIED	CE, UL, cUL, cTick	