



Part Number	R912005091
Type Code	EFC3610-5K50-3P4-MDA-7P-NNNNN-NNNN
Serie	EFC3610
Control Type	V/F
Input Voltage	3 AC 380 - 480 V
Output Power (KW)	5.5
Output Current (A)	12.7
Dual-Rating ND/HD	YES. Up to 1 level in ND
Overload	ND: 150 %, 60 s, 200 %, 1 s HD: 120 %, 60 s
Speed Range (Hz)	0...400
Speed Regulation	1:50
Start-up Torque	3Hz @ 150%, 1.5Hz @ 100%
Control motor type	Asynchronous Motor
Brake chopper	Internal
Brake Resistor	75Ω 780W . Brake Ratio 10%. For other ask Bosch Rexroth
Ventilation Fan	Removable cooling Fan
Internal DC Reactor - Line Choke	Without
Internal EMC	C3, Can be disable via a screw
DC Bus Terminal	Have
IP/Cold Plate	IP20
Keypad	Detachable 7 segment standard display (5 digits). Copy Unit
Firmware	General firmware
Safety Torque Off Function (STO)	Without
Analog Input - AI	2 AI @ 0...10 V or 0...20 mA
Analog Output - AO	1 AO @ 0...10 V or 0...20 mA
Digital Input - DI	5 DI - NPN/PNP@ 24V 4mA / 12V 8mA 5th DI support pulse max 50kHz
Digital Output - DO	1 DO @ 30VDC, 50mA or Pulse max 32kHz
Relay Ouput -RO (Ta, Tb, Tc)	1 RO @ 250 VAC, 3A / 30VDC, 3A
Multi-Speed/Simple PLC	YES-16 Stages
PID Control	YES
Communication	ModBus 485
Optional I/O Card	YES - 4DI, 1AI, 1AO, 1OC,1 relay output
Optional Relay Output Card	YES - 4 RO, 250 VAC, 3 A/30VDC, 3 A
Optional Communication Card	YES - PROFIBUS DP, CANopen, SERCOS III, PROFINET IO, Ethernet IP, Modbus TCP, EtherCAT
Optional Encoder Card	Not Support
Size WxHxD (mm)	130x243x233
Weight (kg)	3.9
Mounting	Wall or DIN, Side by Side
Rated Ambient Temperature	45 °C
Certificate	CE, EAC, UL, cUL, RCM, TUV, RoHS
Application	Small machine: Fan, water pump, materials Conveyor, mixing equipment, HVAC, textile and wooding machinery, food processing & Packaging. With requirement: EMC filter, High-Standard, Ethernet Communication
Connect to PC	YES-USB Type B
Commisioning Software - Link Download	ConverterWorks 1.8.103.0
Video Link	https://www.youtube.com/watch?v=9zispZHBRXQ https://www.youtube.com/watch?v=mzWcw0cU5Vk
Document Link	https://www.boschrexroth.com/various/utilities/mediadirectory/download/index.jsp?object_nr=R912005854