

Frequency Converter Product Catalog

EFC 3610, EFC 5610





Discover the unlimited possibilities of Rexroth Automation Systems. The new Rexroth EFC 3610 and EFC 5610 frequency converters integrate all properties for technically and economically optimal automation and thus for maximum future security.

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Using valuable energy responsibly

Rising energy costs and increasing demands for environmentally-friendly production pose major challenges to the industry and, in particular, mechanical engineering. End customers demand energy-efficient machines and equipment to significantly reduce operating costs and CO₂ emissions especially in the field of drive technology.

With the new EFC 3610 and EFC 5610 frequency converters, Rexroth offers both economical and easy-to-use solutions for a variety of applications in which valuable energy is to be used responsibly. Rexroth EFC 3610 and EFC 5610 frequency converters for electronic speed and torque control thus contribute significantly to the energy savings desired by your customers and also required politically.

Rexroth EFC 3610 is a universal, low-cost converter for reliable speed control and demand-oriented energy supply.

Rexroth EFC 5610 offers in the power range up to 18.5 kW, an efficient vector control for an optimum torque curve and high starting torque.

Both series are designed with intelligent features such as expansion options through different I/O and fieldbus modules, a control panel with a parameter copy function or the standard integrated Modbus interface for networking.

The application in automation systems is made really easy thanks to the integrated filter and brake chopper and analog inputs and outputs with switchover options between a current and voltage interface. Clever installation technology with plug-in terminals and installation on standard top-hat rails thereby saves valuable time.



Highlights

- ▶ Power range 1 x AC 230 V, 0.4 kW to 3 x AC 400 V, 18.5 kW
- ▶ Use in HD (heavy duty) or ND (normal duty) mode
- ▶ Use with permanent magnet motors
- ▶ Built-in brake chopper and mains filter
- ▶ Integrated control panel for quick and easy start-up
- ▶ Expandability through I/O and fieldbus modules



The energy-efficient solution for almost all industry segments

EFC 3610, the energy-efficient solution for almost all industry segments:

- ▶ Pumps, compressors
- ▶ Ventilators, fans
- ▶ Woodworking machines
- ▶ Food and beverage manufacturing
- ▶ Paper manufacturing and processing
- ▶ Textile machines
- ▶ Environmental and processing systems
- ▶ Packaging machines

Typical applications

EFC 5610, the high-torque solution for special requirements:

- ▶ Logistics and material transport, conveyors, roller tables
- ▶ Processing systems: Mixers, agitators, centrifuges
- ▶ Building material machinery
- ▶ Building technology
- ▶ Plastic production and processing machines
- ▶ Machine tools



Perfect integration in a great variety of applications

Trouble-free mounting, simple to install and use: EFC 3610 and EFC 5610 frequency converters meet your engineering demands and the desires of your customers with respect to optimum handling as a whole and down to the smallest detail.

They impress as intelligent, economical and compact solutions in a wide variety of applications: in pumps, compressors, fans, conveyors, packaging machines and many more.



Intelligent features

- ▶ Detachable operator panel with memory function for fast parameter transfer
- ▶ Integrated diagnostic LEDs for operating without an operating panel
- ▶ Potentiometer for command value
- ▶ Analog inputs and outputs with switchover option between current and voltage
- ▶ Digital inputs and outputs for direct PLC coupling
- ▶ Pulse-train input and output
- ▶ Simple parameter input and harmonized parameters throughout the whole series
- ▶ Clear visualization with 5-digit 7-segment LED display or optional LCD display
- ▶ Integrated sequence control (16 steps)
- ▶ Switchover option between two sets of parameters
- ▶ Integrated PID controller
- ▶ Pump operation with protective function in idle mode
- ▶ Bridge for short-term power failures
- ▶ Integrated energy counter



Function extension through optional module support for I/O and communication

Perfect service

- ▶ Long-term availability of components
- ▶ Fan replacement without tools (devices up to 0.75 kW do not have any fans at all)
- ▶ PCB coating to protect against dirt and damage
- ▶ Easy and fast device exchange
- ▶ Fast worldwide delivery of spare parts
- ▶ Worldwide repair and on-site service

Electrical properties

- ▶ Power supply 1 x AC 230 V or 3 x AC 400 V
- ▶ Power range from 0.4 to 18.5 kW
- ▶ High overload capacity: heavy duty (HD) operation at 150 % for 60 s or normal duty (ND) operation at 120 % for 60 s
- ▶ Optimum start torque: EFC 5610 with 200 % at 0.5 Hz
- ▶ Motor temperature monitoring with analog input and output

Mechanical properties

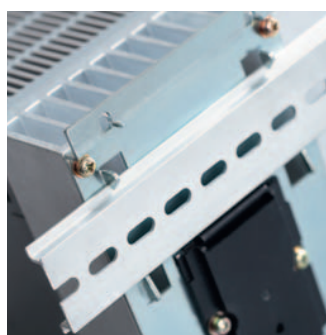
- ▶ Space-saving installation due to compact design
- ▶ Easy top-hat rail installation up to 7.5 kW and mounting holes for easy device mounting
- ▶ Any arrangement possible due to side-by-side installation
- ▶ Easy wiring due to pluggable connection terminals for the I/O connections
- ▶ Shielding connector for optimum EMC properties (option)

Advantages at a glance

- ▶ Expanded power range up to 18.5 kW and use with HD (heavy duty)/ND (normal duty) configuration
- ▶ Significant energy savings and longer motor life through freely definable V/f curve and optimal torque control
- ▶ EFC 5610 with efficient vector control for optimum torque curve
- ▶ Maximized energy efficiency and minimal motor noises through the option of using permanent magnet motors and an infinitely adjustable pulse frequency
- ▶ No external components thanks to the built-in brake chopper and mains filter (EN61800-3 C3)
- ▶ Fast start-up with the integrated operating panel
- ▶ Easy installation thanks to pluggable I/O connection terminals
- ▶ Flexible use with various I/O and fieldbus option modules



Detachable operator panel with memory function for fast parameter transfer



Easy installation on TS35 (EN 50022) top-hat rails for devices up to 7.5 kW

Optimal “easy to use” handling

Rexroth technology stands for easy installation and applicability. Thus the integrated control panel is everything that is needed for fast start-up and simple operation. Start-up is made really “easy” without a PC or an additional programming device. The copy function of the operator panel can be used to configure several frequency converters with the same or similar parameters.

Simply user-friendly: All parameter values are entered with robust keys. The 5-digit LED display clearly and precisely visualizes all operating variables. The documentation takes you step by step through the parameterization and explains the menu structure.

You can use the integrated mini-USB programming interface to simply back up, archive and restore parameters with any PC.



The operator panel:

Inputs, functions and displays

7-segment LED display	<ul style="list-style-type: none"> ▶ Output frequency ▶ Parameter values ▶ Error codes
Status LED	<ul style="list-style-type: none"> ▶ FWD: motor rotates forward ▶ REV: motor rotates backwards ▶ Run: operating mode
Function key	<ul style="list-style-type: none"> ▶ Menu level higher
Run button	<ul style="list-style-type: none"> ▶ Starting the connected motor
Potentiometer	<ul style="list-style-type: none"> ▶ Command value
Arrow keys	<ul style="list-style-type: none"> ▶ Selection of parameter values ▶ Changing of parameter values
Stop button	<ul style="list-style-type: none"> ▶ Stopping the connected motor ▶ Error reset
Set button	<ul style="list-style-type: none"> ▶ Confirmation of the entered values

Technical data

Performance data

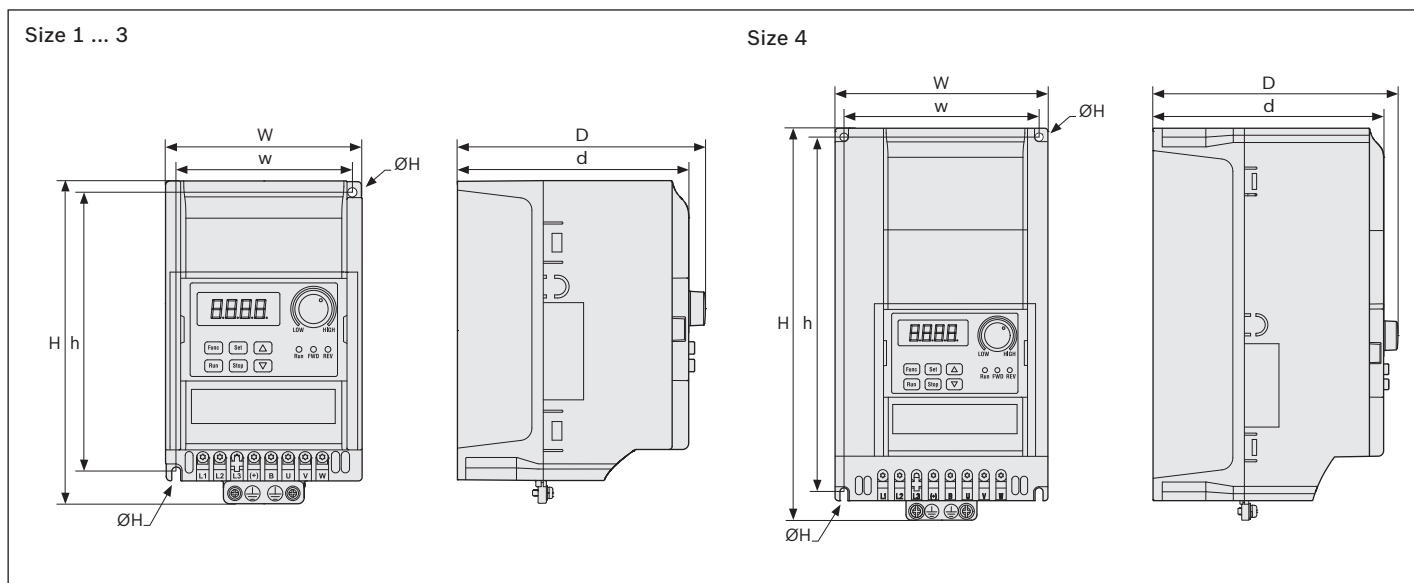
Type (200...240 V AC ± 10 %)	Heavy-duty operation		Normal-duty operation	
	Nominal continuous current	Motor rating	Nominal continuous current	Motor rating
	A	kW	A	kW
EFC3610-0K40-1P2- / EFC5610-0K40-1P2-	2.4	0.4	–	–
EFC3610-0K75-1P2- / EFC5610-0K75-1P2-	4.1	0.75	–	–
EFC3610-1K50-1P2- / EFC5610-1K50-1P2-	7.3	1.5	–	–
EFC3610-2K20-1P2- / EFC5610-2K20-1P2-	10.1	2.2	–	–
(3P 380...480 V AC -15 %/+10 %)	Nominal continuous current	Motor rating	Nominal continuous current	Motor rating
	A	kW	A	kW
	EFC3610-0K40-3P4- / EFC5610-0K40-3P4-	1.3	0.4	–
EFC3610-0K75-3P4- / EFC5610-0K75-3P4-	2.3	0.75	–	–
EFC3610-1K50-3P4- / EFC5610-1K50-3P4-	4	1.5	–	–
EFC3610-2K20-3P4- / EFC5610-2K20-3P4-	5.6	2.2	–	–
EFC3610-3K00-3P4- / EFC5610-3K00-3P4-	7.4	3	–	–
EFC3610-4K00-3P4- / EFC5610-4K00-3P4-	9.7	4	–	–
EFC3610-5K50-3P4- / EFC5610-5K50-3P4-	12.7	5.5	16.8 ¹⁾	7.5 ¹⁾
EFC3610-7K50-3P4- / EFC5610-7K50-3P4-	16.8	7.5	24.3 ¹⁾	11 ¹⁾
EFC3610-11K0-3P4- / EFC5610-11K0-3P4-	24.3	11	32.4 ¹⁾	15 ¹⁾
EFC3610-15K0-3P4- / EFC5610-15K0-3P4-	32.4	15	39.2 ¹⁾	18.5 ¹⁾
EFC3610-18K5-3P4- / EFC5610-18K5-3P4-	39.2	18.5	45 ¹⁾	22 ¹⁾

¹⁾ Available only for EFC 3610

Type	EFC 3610 / EFC 5610	
Mains voltage	V	3 AC 380 ... 480 (-15 %/+10 %)
Supply frequency	Hz	50 ... 60 (± 5 %)
Rated motor voltage	V	3-phase, 0 ... mains voltage
Output voltage	V	0 ... mains voltage
Output frequency	Hz	0 ... 400
Overload capacity	HD operation 150 % for 60 s, 200 % for 1 s; ND operation: 120 % for 60 s	

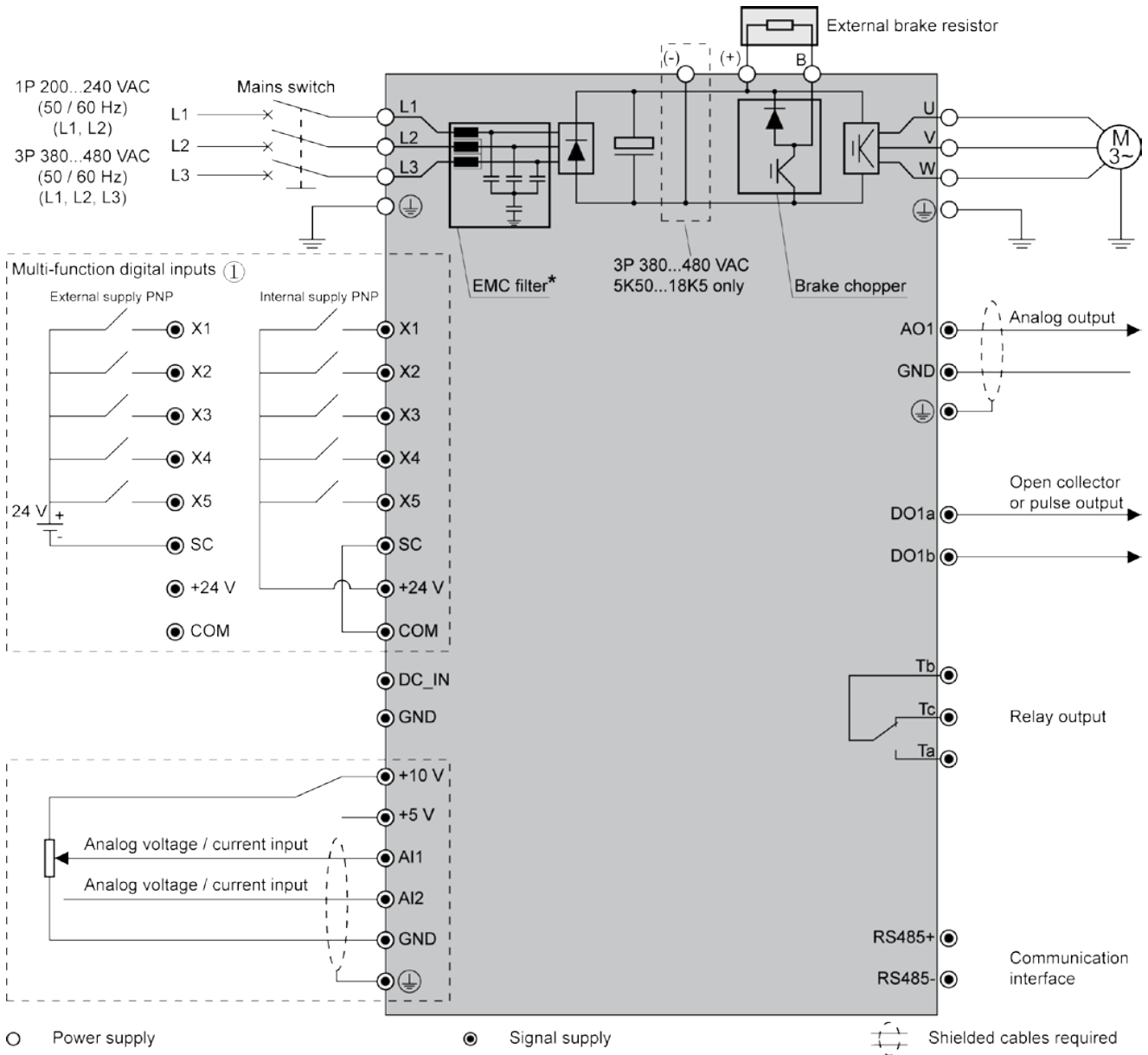
Type	EFC 3610	EFC 5610
Functions		
Control technology	V/f	V/f or SVC (sensorless vector control)
Pulse width modulation (PWM) for converters with 0.4 ... 18.5 kW	1 ... 15 kHz, adjustable in 1 kHz steps	
Speed control range	1:50	1:200
Start-up torque	V/f	100 % at 1.5 Hz; 150 % at 3 Hz
	SVC	Not available
Frequency resolution	1/1000 of output frequency	
Frequency setting tolerance	Analog	0.4 %
	Digital	0.04 %
V/f curve	Linear, square, freely definable	
Ramps for acceleration and braking	Linear, S curve	
DC brake	Start frequency	0 ... 50 Hz
	Braking time	0 ... 10 s
Automatic PWM frequency adjustment	Load-dependent adjustment of PWM frequency	
Integrated control	Integrated sequence control	
Controller	PID	
Bus systems	Modbus	
	PROFIBUS (ext. option)	
Status messages via digital outputs	Operation, command value reached etc.	
Number of 24 V DC digital inputs	5 (of which 1x pulse train 50 kHz)	
Number of 24 V DC/50 mA digital outputs	1 (pulse train 32 kHz)	
Number of 230 V AC/30 V DC/3 A relay outputs	2	
Number of analog 0 ... 10 V or 0 ... 20 mA inputs	2	
Number of analog 0 ... 10 V or 0 ... 20 mA outputs	1	
Display	Dust cover with 4 diagnosis LEDs; 5-digit LED (optional); LCD (optional)	
Status LED	Rotational direction and operation state	
Brake		
Brake chopper	Internal	
Braking resistor	External	
Motor cable length		
C3 external mains filter	m	50
Environmental conditions		
Ambient temperature (operating)	-10...40 °C (derating 1.5 % of the output power per 1° of 40 ... 50 °C)	
Max. operating altitude	Derating starting at 1,000 m (1% of output power per 100 m)	
Relative humidity	< 90 % (no condensation)	
Protection type	IP20	
Certifications	CE, cUL, Gost R, RCM	

Device dimensions

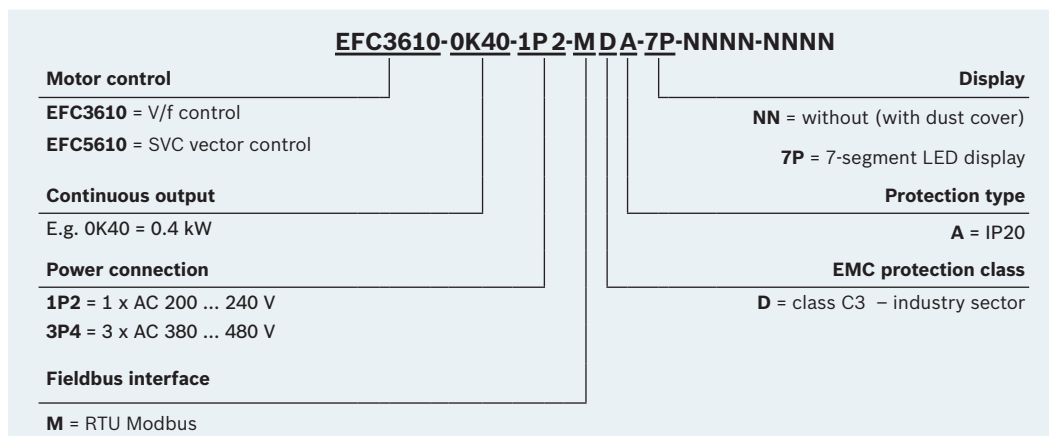


Size	Type (200...240 V AC ±10 %)	Dimensions [mm]							Mass [kg]
		W	w	H	h	D	d	ØH	
B	EFC3610-0K40-1P2- / EFC5610-0K40-1P2-	95	66	166	156	167	159	4.5	1.5
B	EFC3610-0K75-1P2- / EFC5610-0K75-1P2-	95	66	166	156	167	159	4.5	1.5
C	EFC3610-1K50-1P2- / EFC5610-1K50-1P2-	95	66	206	196	170	162	4.5	1.9
D	EFC3610-2K20-1P2- / EFC5610-2K20-1P2-	120	80	231	221	175	167	4.5	2.6
B	(3P 380...480 V AC -15 %/+10 %)								
B	EFC3610-0K40-3P4- / EFC5610-0K40-3P4-	95	66	166	156	167	159	4.5	1.5
B	EFC3610-0K75-3P4- / EFC5610-0K75-3P4-	95	66	166	156	167	159	4.5	1.5
C	EFC3610-1K50-3P4- / EFC5610-1K50-3P4-	95	66	206	196	170	162	4.5	1.9
C	EFC3610-2K20-3P4- / EFC5610-2K20-3P4-	95	66	206	196	170	162	4.5	1.9
D	EFC3610-3K00-3P4- / EFC5610-3K00-3P4-	120	80	231	221	175	167	4.5	2.6
D	EFC3610-4K00-3P4- / EFC5610-4K00-3P4-	120	80	231	221	175	167	4.5	2.6
E	EFC3610-5K50-3P4- / EFC5610-5K50-3P4-	130	106	243	228	233	225	6.5	3.9
E	EFC3610-7K50-3P4- / EFC5610-7K50-3P4-	130	106	243	228	233	225	6.5	4.3
F	EFC3610-11K0-3P4- / EFC5610-11K0-3P4-	150	125	283	265	233	225	6.5	5.7
F	EFC3610-15K0-3P4- / EFC5610-15K0-3P4-	150	125	283	265	233	225	6.5	6.4
G	EFC3610-18K5-3P4- / EFC5610-18K5-3P4-	165	140	313	295	241	233	6.5	8

Block diagram



Ordering data



Type code
 Frequency converter
 EFC 3610 /
 EFC 5610

EFC 3610 ordering data

Description	Type code	Material number
EFC 3610 0.4 kW, 1AC 200...240 V, 50/60 Hz, 2.4 A, LED display	EFC3610-0K40-1P2-MDA-7P-NNNN-NNNN	R912005713
EFC 3610 0.75 kW, 1AC 200...240 V, 50/60 Hz, 4.1 A, LED display	EFC3610-0K75-1P2-MDA-7P-NNNN-NNNN	R912005714
EFC 3610 1.5 kW, 1AC 200...240 V, 50/60 Hz, 7.3 A, LED display	EFC3610-1K50-1P2-MDA-7P-NNNN-NNNN	R912005715
EFC 3610 2.2 kW, 1AC 200...240 V, 50/60 Hz, 10.1 A, LED display	EFC3610-2K20-1P2-MDA-7P-NNNN-NNNN	R912005716
EFC 3610 0.4 kW, 3AC 380...480 V, 50/60 Hz, 1.3 A, LED display	EFC3610-0K40-3P4-MDA-7P-NNNN-NNNN	R912005717
EFC 3610 0.75 kW, 3AC 380...480 V, 50/60 Hz, 2.3 A, LED display	EFC3610-0K75-3P4-MDA-7P-NNNN-NNNN	R912005718
EFC 3610 1.5 kW, 3AC 380...480 V, 50/60 Hz, 4.0 A, LED display	EFC3610-1K50-3P4-MDA-7P-NNNN-NNNN	R912005719
EFC 3610 2.2 kW, 3AC 380...480 V, 50/60 Hz, 5.6 A, LED display	EFC3610-2K20-3P4-MDA-7P-NNNN-NNNN	R912005720
EFC 3610 3.0 kW, 3AC 380...480 V, 50/60 Hz, 7.4 A, LED display	EFC3610-3K00-3P4-MDA-7P-NNNN-NNNN	R912005721
EFC 3610 4.0 kW, 3AC 380...480 V, 50/60 Hz, 9.7 A, LED display	EFC3610-4K00-3P4-MDA-7P-NNNN-NNNN	R912005722
EFC 3610 5.5 kW, 3AC 380...480 V, 50/60 Hz, 12.7 A, LED display	EFC3610-5K50-3P4-MDA-7P-NNNN-NNNN	R912005091
EFC 3610 7.5 kW, 3AC 380...480 V, 50/60 Hz, 16.8 A, LED display	EFC3610-7K50-3P4-MDA-7P-NNNN-NNNN	R912005092
EFC 3610 11 kW, 3AC 380...480 V, 50/60 Hz, 24.3A, LED display	EFC3610-11K0-3P4-MDA-7P-NNNN-NNNN	R912005093
EFC 3610 15 kW, 3AC 380...480 V, 50/60 Hz, 32.4 A, LED display	EFC3610-15K0-3P4-MDA-7P-NNNN-NNNN	R912005094
EFC 3610 18.5 kW, 3AC 380...480 V, 50/60 Hz, 39.2 A, LED display	EFC3610-18K5-3P4-MDA-7P-NNNN-NNNN	R912005723
EFC 3610 0.4 kW, 1AC 200...240 V, 50/60 Hz, 2.4 A, dust cover	EFC3610-0K40-1P2-MDA-NN-NNNN-NNNN	R912005698
EFC 3610 0.75 kW, 1AC 200...240 V, 50/60 Hz, 4.1 A, dust cover	EFC3610-0K75-1P2-MDA-NN-NNNN-NNNN	R912005699
EFC 3610 1.5 kW, 1AC 200...240 V, 50/60 Hz, 7.3 A, dust cover	EFC3610-1K50-1P2-MDA-NN-NNNN-NNNN	R912005700
EFC 3610 2.2 kW, 1AC 200...240 V, 50/60 Hz, 10.1 A, dust cover	EFC3610-2K20-1P2-MDA-NN-NNNN-NNNN	R912005701
EFC 3610 0.4 kW, 3AC 380...480 V, 50/60 Hz, 1.3 A, dust cover	EFC3610-0K40-3P4-MDA-NN-NNNN-NNNN	R912005702
EFC 3610 0.75 kW, 3AC 380...480 V, 50/60 Hz, 2.3 A, dust cover	EFC3610-0K75-3P4-MDA-NN-NNNN-NNNN	R912005703
EFC 3610 1.5 kW, 3AC 380...480 V, 50/60 Hz, 4.0 A, dust cover	EFC3610-1K50-3P4-MDA-NN-NNNN-NNNN	R912005704
EFC 3610 2.2 kW, 3AC 380...480 V, 50/60 Hz, 5.6 A, dust cover	EFC3610-2K20-3P4-MDA-NN-NNNN-NNNN	R912005705
EFC 3610 3.0 kW, 3AC 380...480 V, 50/60 Hz, 7.4 A, dust cover	EFC3610-3K00-3P4-MDA-NN-NNNN-NNNN	R912005706
EFC 3610 4.0 kW, 3AC 380...480 V, 50/60 Hz, 9.7 A, dust cover	EFC3610-4K00-3P4-MDA-NN-NNNN-NNNN	R912005707
EFC 3610 5.5 kW, 3AC 380...480 V, 50/60 Hz, 12.7 A, dust cover	EFC3610-5K50-3P4-MDA-NN-NNNN-NNNN	R912005708
EFC 3610 7.5 kW, 3AC 380...480 V, 50/60 Hz, 16.8 A, dust cover	EFC3610-7K50-3P4-MDA-NN-NNNN-NNNN	R912005709
EFC 3610 11 kW, 3AC 380...480 V, 50/60 Hz, 24.3 A, dust cover	EFC3610-11K0-3P4-MDA-NN-NNNN-NNNN	R912005710
EFC 3610 15 kW, 3AC 380...480 V, 50/60 Hz, 32.4 A, dust cover	EFC3610-15K0-3P4-MDA-NN-NNNN-NNNN	R912005711
EFC 3610 18.5 kW, 3AC 380...480 V, 50/60 Hz, 39.2 A, dust cover	EFC3610-18K5-3P4-MDA-NN-NNNN-NNNN	R912005712

EFC 5610 ordering data

Description	Type code	Material number
EFC 5610 0.4 kW, 1AC 200...240 V, 50/60 Hz, 2.4 A, LED display	EFC5610-0K40-1P2-MDA-7P-NNNNN-NNNN	R912005739
EFC 5610 0.75 kW, 1AC 200...240 V, 50/60 Hz, 4.1 A, LED display	EFC5610-0K75-1P2-MDA-7P-NNNNN-NNNN	R912005740
EFC 5610 1.5 kW, 1AC 200...240 V, 50/60 Hz, 7.3 A, LED display	EFC5610-1K50-1P2-MDA-7P-NNNNN-NNNN	R912005741
EFC 5610 2.2 kW, 1AC 200...240 V, 50/60 Hz, 10.1 A, LED display	EFC5610-2K20-1P2-MDA-7P-NNNNN-NNNN	R912005742
EFC 5610 0.4 kW, 3AC 380...480 V, 50/60 Hz, 1.3 A, LED display	EFC5610-0K40-3P4-MDA-7P-NNNNN-NNNN	R912005743
EFC 5610 0.75 kW, 3AC 380...480 V, 50/60 Hz, 2.3 A, LED display	EFC5610-0K75-3P4-MDA-7P-NNNNN-NNNN	R912005744
EFC 5610 1.5 kW, 3AC 380...480 V, 50/60 Hz, 4.0 A, LED display	EFC5610-1K50-3P4-MDA-7P-NNNNN-NNNN	R912005745
EFC 5610 2.2 kW, 3AC 380...480 V, 50/60 Hz, 5.6 A, LED display	EFC5610-2K20-3P4-MDA-7P-NNNNN-NNNN	R912005746
EFC 5610 3.0 kW, 3AC 380...480 V, 50/60 Hz, 7.4 A, LED display	EFC5610-3K00-3P4-MDA-7P-NNNNN-NNNN	R912005747
EFC 5610 4.0 kW, 3AC 380...480 V, 50/60 Hz, 9.7 A, LED display	EFC5610-4K00-3P4-MDA-7P-NNNNN-NNNN	R912005748
EFC 5610 5.5 kW, 3AC 380...480 V, 50/60 Hz, 12.7 A, LED display	EFC5610-5K50-3P4-MDA-7P-NNNNN-NNNN	R912005099
EFC 5610 7.5 kW, 3AC 380...480 V, 50/60 Hz, 16.8 A, LED display	EFC5610-7K50-3P4-MDA-7P-NNNNN-NNNN	R912005100
EFC 5610 11 kW, 3AC 380...480 V, 50/60 Hz, 24.3 A, LED display	EFC5610-11K0-3P4-MDA-7P-NNNNN-NNNN	R912005101
EFC 5610 15 kW, 3AC 380...480 V, 50/60 Hz, 32.4 A, LED Display	EFC5610-15K0-3P4-MDA-7P-NNNNN-NNNN	R912005102
EFC 5610 18.5 kW, 3AC 380...480 V, 50/60 Hz, 39.2 A, LED display	EFC5610-18K5-3P4-MDA-7P-NNNNN-NNNN	R912005749
EFC 5610 0.4 kW, 1AC 200...240 V, 50/60 Hz, 2.4 A, dust cover	EFC5610-0K40-1P2-MDA-NN-NNNNN-NNNN	R912005724
EFC 5610 0.75 kW, 1AC 200...240 V, 50/60 Hz, 4.1 A, dust cover	EFC5610-0K75-1P2-MDA-NN-NNNNN-NNNN	R912005725
EFC 5610 1.5 kW, 1AC 200...240 V, 50/60 Hz, 7.3 A, dust cover	EFC5610-1K50-1P2-MDA-NN-NNNNN-NNNN	R912005726
EFC 5610 2.2 kW, 1AC 200...240 V, 50/60 Hz, 10.1 A, dust cover	EFC5610-2K20-1P2-MDA-NN-NNNNN-NNNN	R912005727
EFC 5610 0.4 kW, 3AC 380...480 V, 50/60 Hz, 1.3 A, dust cover	EFC5610-0K40-3P4-MDA-NN-NNNNN-NNNN	R912005728
EFC 5610 0.75 kW, 3AC 380...480 V, 50/60 Hz, 2.3 A, dust cover	EFC5610-0K75-3P4-MDA-NN-NNNNN-NNNN	R912005729
EFC 5610 1.5 kW, 3AC 380...480 V, 50/60 Hz, 4.0 A, dust cover	EFC5610-1K50-3P4-MDA-NN-NNNNN-NNNN	R912005730
EFC 5610 2.2 kW, 3AC 380...480 V, 50/60 Hz, 5.6 A, dust cover	EFC5610-2K20-3P4-MDA-NN-NNNNN-NNNN	R912005731
EFC 5610 3.0 kW, 3AC 380...480 V, 50/60 Hz, 7.4 A, dust cover	EFC5610-3K00-3P4-MDA-NN-NNNNN-NNNN	R912005732
EFC 5610 4.0 kW, 3AC 380...480 V, 50/60 Hz, 9.7 A, dust cover	EFC5610-4K00-3P4-MDA-NN-NNNNN-NNNN	R912005733
EFC 5610 5.5 kW, 3AC 380...480 V, 50/60 Hz, 12.7 A, dust cover	EFC5610-5K50-3P4-MDA-NN-NNNNN-NNNN	R912005734
EFC 5610 7.5 kW, 3AC 380...480 V, 50/60 Hz, 16.8 A, dust cover	EFC5610-7K50-3P4-MDA-NN-NNNNN-NNNN	R912005735
EFC 5610 11 kW, 3AC 380...480 V, 50/60 Hz, 24.3 A, dust cover	EFC5610-11K0-3P4-MDA-NN-NNNNN-NNNN	R912005736
EFC 5610 15 kW, 3AC 380...480 V, 50/60 Hz, 32.4 A, dust cover	EFC5610-15K0-3P4-MDA-NN-NNNNN-NNNN	R912005737
EFC 5610 18.5 kW, 3AC 380...480 V, 50/60 Hz, 39.2 A, dust cover	EFC5610-18K5-3P4-MDA-NN-NNNNN-NNNN	R912005738

Accessories

Description	Type code	Material number
Shielding connector for 0.4 .. 4 kW	FEAM03.1-001-NN-NNNN	R912006012
Shielding connector for 5.5 .. 18.5 kW	FEAM03.1-002-NN-NNNN	R912006013
LED operator panel, IP20, medium gray (RAL7046)	FPCC02.1-EANN-7P-NNNN	R912005783
IP20 dust cover, medium gray (RAL7046)	FPCC02.1-EANN-NN-NNNN	R912005785
Mounting plate for IP20 operator panel, medium gray (RAL7046)	FEAM02.1-EA-NN-NNNN	R912005787
Connection line for operator panel, 2 m	FRKS0006/002.0	R912004657
Connection line for operator panel, 3 m	FRKS0004/003.0	R912004410

Software

Start-up and data back-up with the PC

The Rexroth EFC 3610 and EFC 5610 frequency converters can be started up and operated remotely with the free PC software. The connection to the PC is established via a standard USB interface.

With the software, it is very easy to specify converter speeds, control the starting and stopping and adjust the parameters. Parameters can be saved and stored to ensure reliable archiving.

In addition, the software provides additional features that are not available for local operation of the converter via the operator panel.

System requirements for using the software on a PC

- ▶ Processor: Intel Pentium or higher capacity
- ▶ Operating system: Windows 7
- ▶ Display resolution: 1024 x 768
- ▶ Mass storage: 1 GB free hard disk space



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