

Features:

- ❑ very compact design
- ❑ fully digital control
- ❑ easy programming
- ❑ max. rotating field frequency 200Hz
- ❑ DC brake
- ❑ integrated mains filter (radio interference suppression level A)
- ❑ degree of protection IP20
- ❑ IGBT - power stage
- ❑ integrated braking chopper from FUS 150/E2 and FUS.../3E2
- ❑ 3 fixed frequencies



Frequency Inverters
FUS 020 ... 220/E2
FUS 075 ... 220/3E2



Function:

- ❑ control and setpoint entry via terminals and operating unit
- ❑ PWM clock frequency 4-16kHz
- ❑ DC braking (duration, intensity, operating frequency)
- ❑ potential-free control and signalling contacts
- ❑ restart after voltage dip

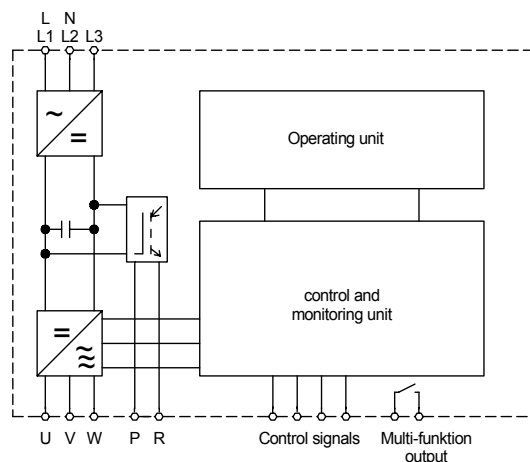
Typical Applications:

pumps
ventilators
conveying systems
textile machinery
packaging machinery

centrifuges
grinding machines
printing machines
wood working machines
vibrators

Upon Request:

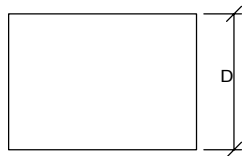
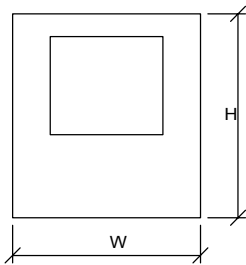
- ❑ Customized Enclosures



Technical Data	FUS ... /E2					FUS ... /3E2		
	020	037	075	150	220	075	150	220
Motor shaft power / kW	0.2	0.37	0.75	1.5	2.2	0.75	1.5	2.2
Mains voltage according to DIN EN 50160 (IEC 38)	single-phase 200-240V +10%, -15% 50/60Hz ±5%					three-phase 380-460V, +10%, -15% 50/60Hz ±5%		
Output current	1.4A	2.3A	4.2A	7.5A	10.5A	2.3A	3.8A	5.2A
Peak current for 1min.	2.1A	3.4A	6.3A	11.3A	15.8A	3.4A	5.7A	7.8A
Control Functions								
Frequency setting range	1 - 120Hz							
Torque boost	6 U/f - characteristics							
Ramp-up and ramp-down time	0.1 - 999s							
DC brake	operating frequency 1-10Hz, braking time 0-25s, intensity 0 - 20%							
Frequency setpoint	poti 10kΩ, 0-10V, 0-20mA, 4-20mA, keypad							
Ambient / Storage temperature	-10°C ... +50°C / -20°C ... +55°C							
Weight	0.8kg	0.8kg	0.8kg	1.9kg	1.8kg	1.6kg	1.6kg	1.6kg
Order number	24800. 23020	24800. 23037	24800. 23075	24800. 23150	24800. 23220	24800. 40075	24800. 40150	24800. 40220
Recommended mains filters	27003.25010			27004.25020		27000.40010		

Mains filter integrated (class A)

For line and motor reactors see accessories.

Dimensions:

	W [mm]	H [mm]	D [mm]
FUS 020/E2	72	132	118
FUS 037/E2	72	132	118
FUS 075/E2	72	132	118
FUS 150/E2	118	143	172
FUS 220/E2	118	143	172
FUS 075/3E2	118	143	172
FUS 150/3E2	118	143	172
FUS 220/3E2	118	143	172

Connection Diagram: