

Frequency Inverters FUS 1500 ... 5500/3CV 15kW up to 55kW 4.11

Features:

- ▣ compact design
- ▣ easy commissioning and programming
- ▣ IGBT power stage
- ▣ detachable operating unit
- ▣ rotating field frequency up to 650Hz
- ▣ integrated PID controller
- ▣ integrated PLC
- ▣ optionally with RS 232/485 interface
- ▣ integrated braking chopper (up to 15kW *)
- ▣ integrated setpoint potentiometer
- ▣ 6 multi-functional inputs
- ▣ 2 multi-functional outputs
- ▣ degree of protection: IP20



Frequency Inverters
FUS 1500 ... 5500/3CV



Function:

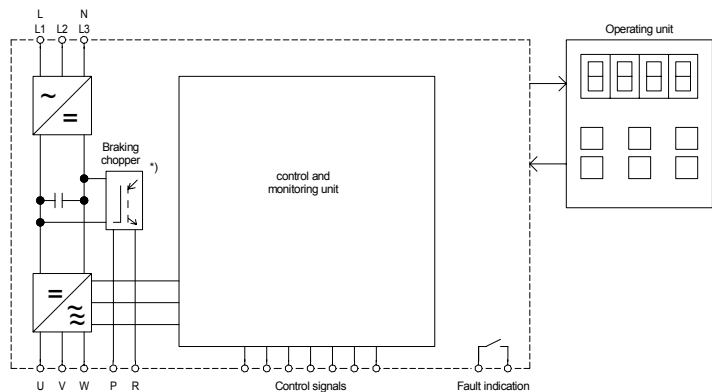
- ▣ control and setpoint entry via terminals and operating unit
- ▣ PWM clock frequency 2-16kHz
- ▣ DC braking (duration, intensity, operating frequency)
- ▣ potential-free control and signaling contacts
- ▣ automatic restart after voltage dip

Typical Applications:

- | | |
|---|---|
| <ul style="list-style-type: none"> pumps ventilators conveying systems textile machines packaging machines | <ul style="list-style-type: none"> centrifuges grinding machines printing machines wood working machines vibrators |
|---|---|

Upon Request:

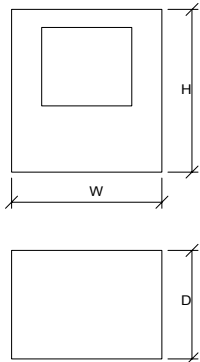
- ▣ Customized Enclosures



Technical Data	FUS .../3CV						
	1500	1850	2200	3000	3700	4500	5500
Motor shaft power in kW	15	18.5	22	30	37	45	55
Mains voltage	three-phase 380-480V (+10%, -15%) 50/60Hz ±5%						
Output current	32A	40A	48A	64A	80A	96A	128A
Control Functions							
Frequency setting range	0.1 - 650Hz						
Control mode	U/f - characteristic; vector control						
Acceleration and deceleration time	0.1 - 3600s						
DC brake	operating frequency 0.1-10Hz, braking time 0-25.5s, intensity 0 - 20% UN						
Frequency setpoint	poti 10kΩ, internal poti, 0-10V, 0-20mA, keypad, fixed frequencies						
Ambient / Storage temperature	-10°C ... +40°C / -20°C ... +60°C						
Weight	15kg	15kg	15kg	33kg	33kg	50kg	50kg
Order number	2F100. 40015	2F100. 40018	2F100. 40022	2F100. 40030	2F100. 40037	2F100. 40045	2F100. 40055
Recommended mains filters	27110. 53042	27110. 53055		27110. 53075	27110. 53100	27110. 53130	27110. 53180

For line and motor reactors see accessories.

Dimensions:



	W [mm]	H [mm]	D [mm]
FUS 1500/3CV	265	360	247.5
FUS 1850/3CV	265	360	247.5
FUS 2200/3CV	265	360	247.5
FUS 3000/3CV	269	553	303.6
FUS 3700/3CV	269	553	303.6
FUS 4500/3CV	308	653	308.6
FUS 5500/3CV	308	653	308.6

Connection Diagram:

