



Main

Product or component type	Network braking unit ATV71
Range compatibility	Altivar 71
[Us] rated supply voltage	400 V
Maximum current I _{rms}	295 A DC 246 A AC
Permanent braking power	91 kW
Maximum braking power	221 kW

Complementary

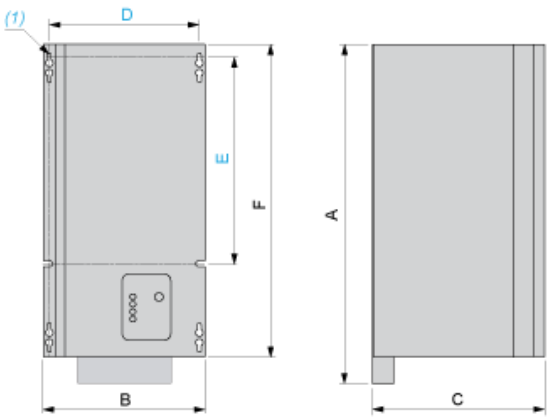
Supply circuit type	AC
Associated fuse rating	400 A at 1100 V
Supply voltage limits	380...440 V
Network frequency	50...60 Hz +/- 2 %
Overload protection	1.1 x maximum current
Efficiency	98 %
Cos phi	1
Electrical connection	Bare wires connection M6 150 mm ² connection capacity
Height	763 mm
Width	273 mm
Depth	305 mm
Product weight	60 kg

Environment

IP degree of protection	IP20
Relative humidity	Class F without condensation 5...85 %
Ambient air temperature for operation	5...40 °C without current derating > 40...< 55 °C with current derating 3 % per °C
Ambient air temperature for storage	-25...55 °C
Operating altitude	1000...4000 m with current derating 5 % per 1000 m <= 1000 m without current derating

Dimensions

Front and Left Side View



(1) For fixing use 4 screws M6 x 20

Dimensions in mm

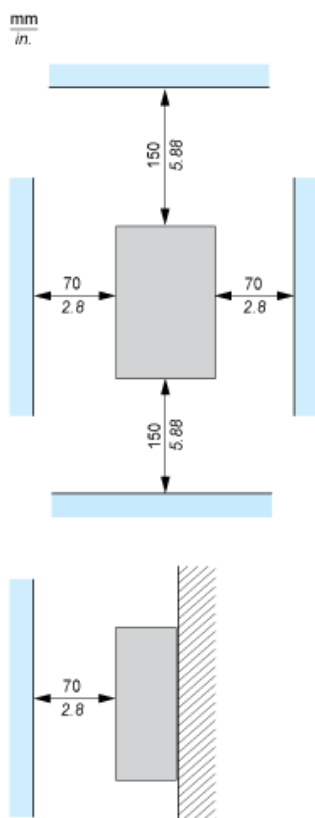
A	B	C	D	E	F
763	273	305	254.4	490	701.5

Dimensions in in.

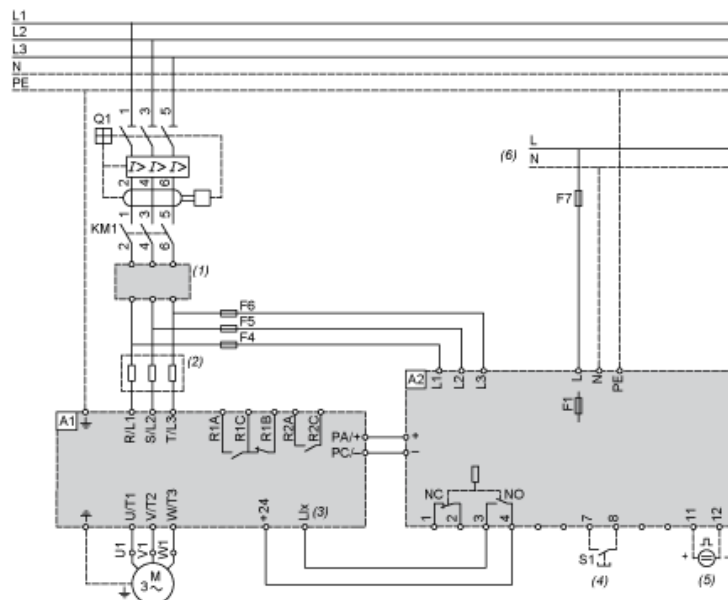
A	B	C	D	E	F
30.04	10.80	12.00	10.00	19.30	27.62

Mounting Recommendations

Vertical Mounting Only



Wiring Diagram (External Power Supply for the Fan)



- (1) Optional additional EMC input filter
- (2) Line reactor
- (3) External fault
- (4) Stop
- (5) Reset
- (6) 230 Vac fan power supply
- A1 : ATV71 drive
- A2 : Network braking unit
- F1 2 A fuse, 500 Vac
- F4, Fuses
- F5,
- F6 :
- F7 2 A fuse, 230 V AC
- Q1 : Circuit breaker 300 mA