



Main

Product or component type	Network braking unit ATV71
Range compatibility	Altivar 71
[Us] rated supply voltage	400 V
Maximum current I _{rms}	600 A DC 500 A AC
Permanent braking power	173 kW
Maximum braking power	414 kW

Complementary

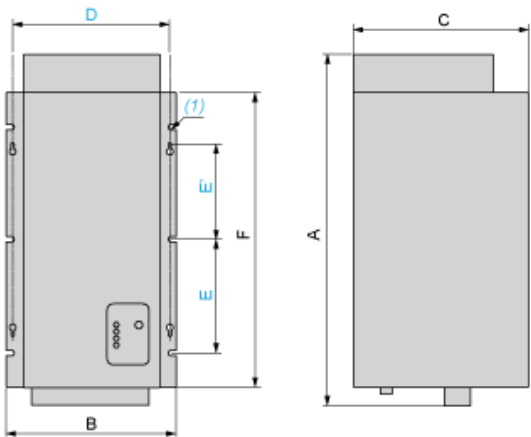
Supply circuit type	AC
Associated fuse rating	630 A at 1100 V
Supply voltage limits	380...440 V
Network frequency	50...60 Hz +/- 2 %
Overload protection	1.1 x maximum current
Efficiency	98 %
Cos phi	1
Electrical connection	Bare wires connection M8 240 mm ² connection capacity
Height	994 mm
Width	378 mm
Depth	390 mm
Product weight	125 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 6 screws M8 x 20

Dimensions in mm

A	B	C	D	E	E'	F
994	378	390	349.2	319	279	836

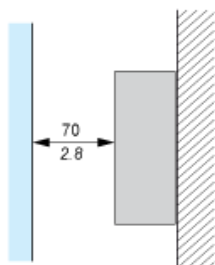
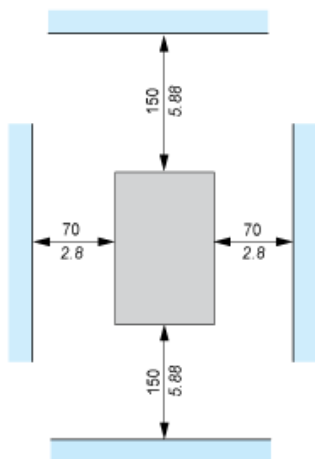
Dimensions in in.

A	B	C	D	E	E'	F
39.13	14.9	15.34	13.75	12.56	11.00	33.00

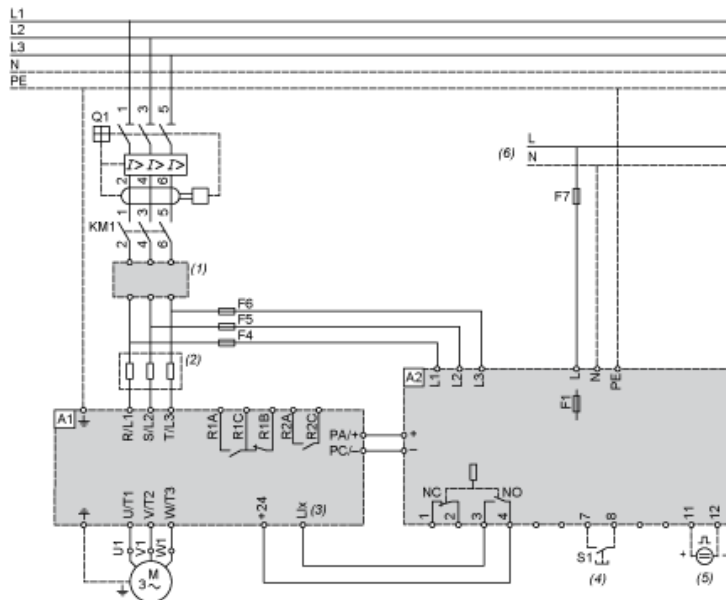
Mounting Recommendations

Vertical Mounting Only

mm
in.



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