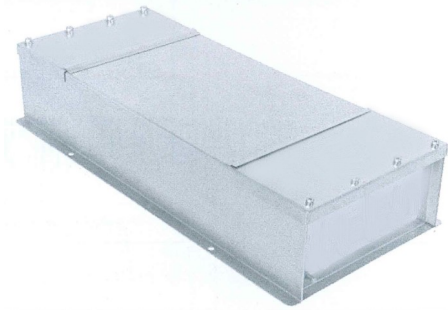




High Performance Stainless Steel Power Line Filters (C52 Series)

(RF Shielded Room Applications)

(Note: Refer to C52-H series filters for increased performance over C52 series)



RF Shielded Enclosure,
Faraday Cage,
RF Shielded Room,
Anechoic Chambers,
Tempest Facilities,
RF Isolation of Secure Power Circuits
(Customised versions available)

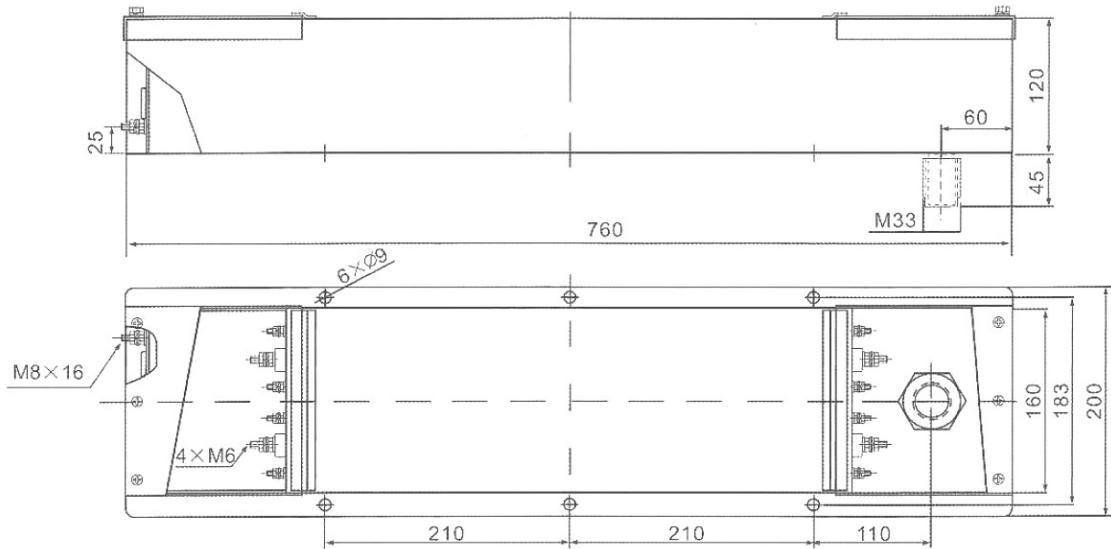
TECHNICAL DATA

| | |
|---|--|
| Rated Voltage - Single phase (2 line) filters | 250V (line - line) (line - ground) |
| Rated Voltage - Three phase (4 line) filters | 440V (line - line) 250V (line - ground) |
| Rated Current | See Characteristics (referred to +40°C ambient temperature) |
| Operating Frequency | 0 to 60 Hz |
| Test Voltage | 1000 VDC, 2 s (line - line) 1000 VDC, 2 s (line - ground) |
| Voltage drop / phase ΔV | <1% (of V_R at 50 Hz and I_R) |
| Leakage current $I_{Leakage}$ | < 0.2 A (230 VAC, 50 Hz) |
| Climatic category | 25 / 070 / 21 |
| Enclosure Material | Stainless Steel (304) with internal connection |



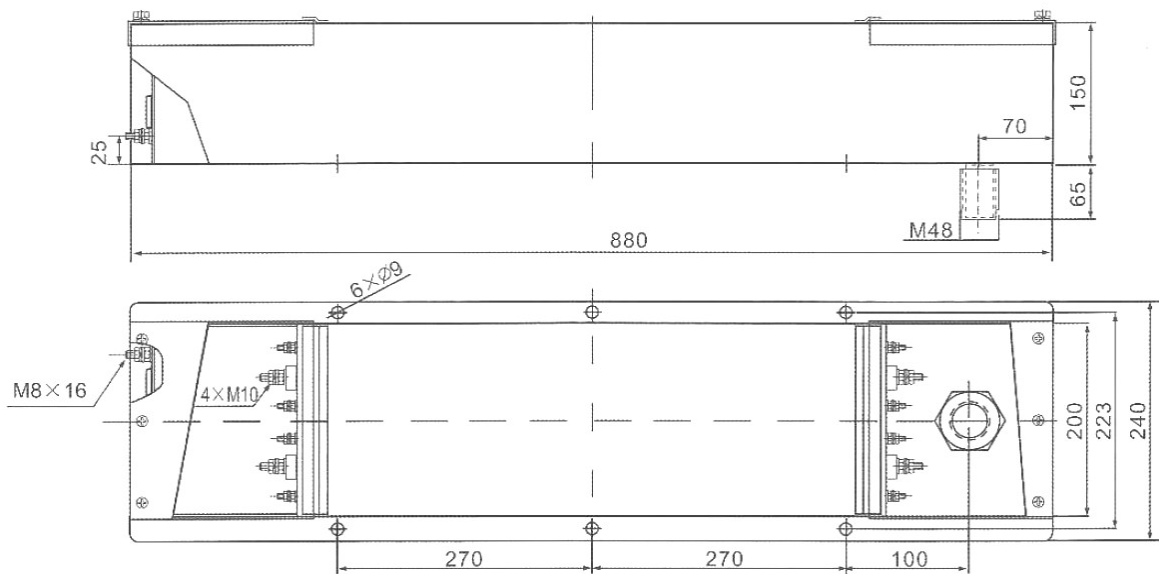
| Single Phase, 2 Line - Power Filters | | | | | |
|--------------------------------------|---------|-------------|-------------------|------------------|--------|
| Type | I (A) | V (rms) L-L | Leakage Current | Performance | Figure |
| CEP-2X16C52-JCL | 2 X 16 | 250 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 1 |
| CEP-2X30C52-JCL | 2 X 32 | 250 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 1 |
| CEP-2X50C52-JCL | 2 X 50 | 250 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 1 |
| CEP-2X70C52-JCL | 2 X 70 | 250 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 1 |
| CEP-2X100C52-JCL | 2 X 100 | 250 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 1 |
| CEP-2X200C52-JCL | 2 X 200 | 250 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 2 |

| Three Phase, 4 Line - Power Filters | | | | | |
|-------------------------------------|---------|-------------|-------------------|------------------|--------|
| Type | I (A) | V (rms) L-L | Leakage Current | Performance | Figure |
| CEP-4X16C52-JCL | 4 X 16 | 440 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 3 |
| CEP-4X30C52-JCL | 4 X 32 | 440 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 3 |
| CEP-4X50C52-JCL | 4 X 50 | 440 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 3 |
| CEP-4X70C52-JCL | 4 X 70 | 440 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 3 |
| CEP-4X100C52-JCL | 4 X 100 | 440 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 3 |
| CEP-4X200C52-JCL | 4 X 200 | 440 VAC | ≤0.2A@220VAC/50Hz | 100dB, 14K-40GHz | 4 |



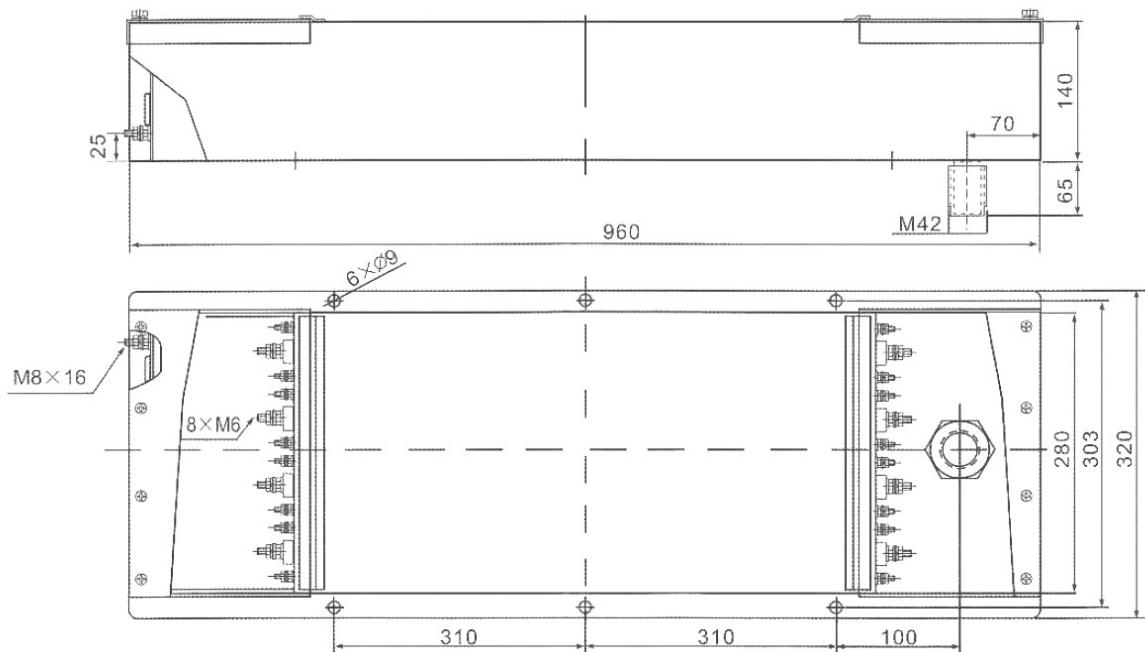
(Note: The power connection studs are M6 for the 16 - 70 A version and M8 for 100A version)

Figure 1.



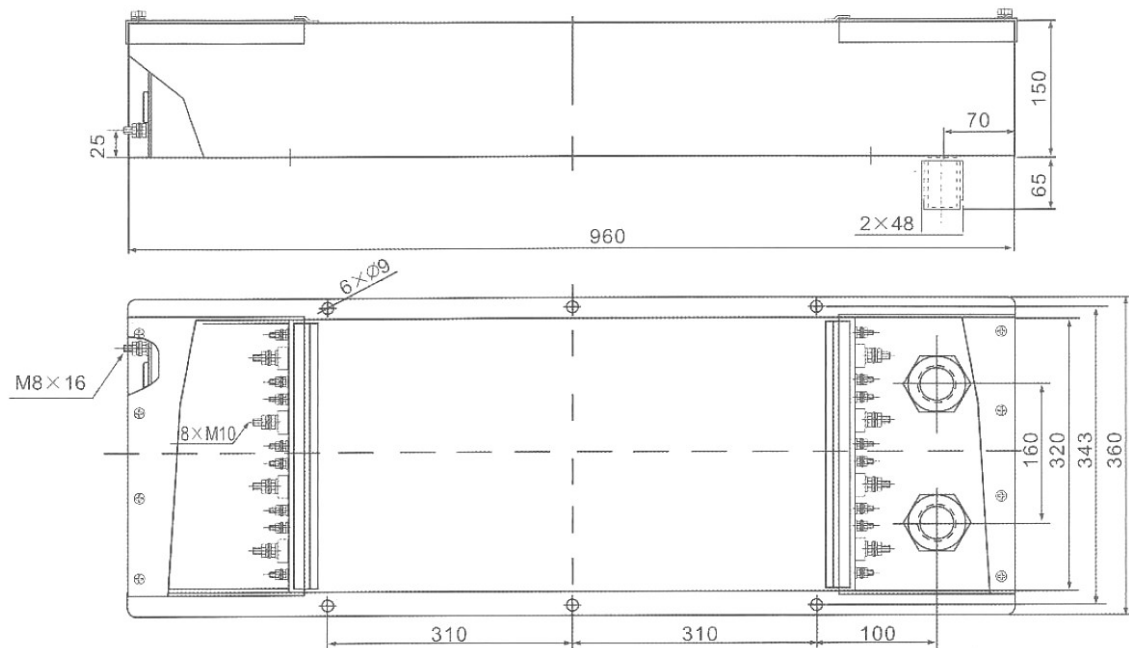
(Note: The power connection studs are M10 for the 150A and 200A versions)

Figure 2.



(Note: The power connection studs are M6 for the 16 - 70 A version and M8 for 100A version)

Figure 3.



(Note: The power connection studs are M10 for the 150A and 200A versions)

Figure 4.