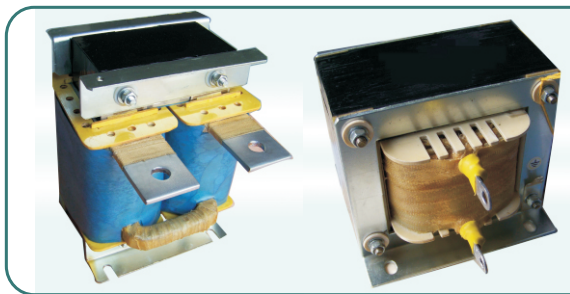


**EM-RAD3 Series**



- Rated working voltage: DC 500V ~ 700V
- Withstand voltage test: 3.5KV 60s
- Switch Frequency: 0 ~ 18KHz
- Motor Frequency: 0 ~ 200Hz
- Power: 0.4KW ~ 400KW

◆ **Main Function:**

- 1: Reduce the network current waveform distortion rate created by rectifier circuit of capacitance filtering.
- 2: To reduce and prevent for rectifier bridge damage and filter capacitor overheat by the pulse current impact in process of filtering capacitor charge and dischargez
- 3: Improve grid power factor, reduce total harmonic distortion, improve the quality of power supply of the power grid.
- 4: To improve or inhibit power grid voltage transient fluctuation caused by filter capacitor charging and discharging.

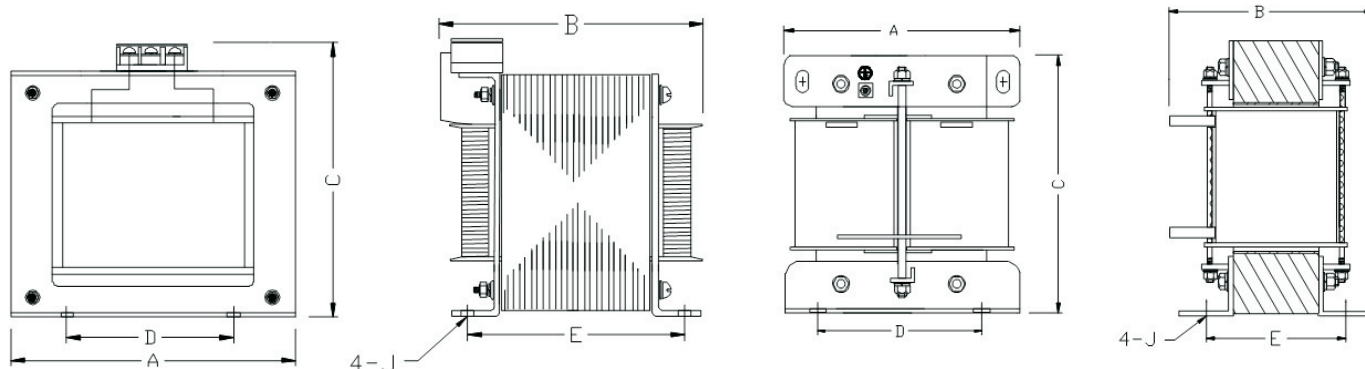
◆ **Electrical Feature and standard:**

- 1: Rated working voltage; DC500V ~ 700V.
- 2: Working withstanding voltage: Iron core-coil 3000VAC/50HZ/5MA/60S No arcing breakdown discharge phenomenon(Factory tested).
- 3: Insulation resistance: Iron core-coil 1000VDC is more than 100M.
- 4: Temperature limit: Core temperature not to exceed 70K (thermometer method), Coil temperature not to exceed 95 k (DC resistance method).
- 5: Working noise: less than 50DB(horizontal distance 1 meter to DC choke).
- 6: Core surface take with special Class F or H paint coating / Hardware plating white zinc or plastic spraying, the product is not easy to rust; Beautiful and reliable performance.
- 7: Performance Standard: G B10229-88<<electric reactor>>(IE C 2 89 -1 9 8 700).  
J B9644-1999<<Semiconductor electrical drive with reactor>>  
J B5346-1988<<Series reactor standard>>.

◆ **Application Environment:**

- 1: The altitude less than 1000 meters.
- 2: Running environment temperature (- 25 centigrade ~ + 40 centigrade), relative humidity no more than 90%.
- 3: The surrounding environment should have a good ventilation conditions, such as install in cabinet, which should be equipped with ventilation equipment.
- 4: No violent vibration and severe turbulence places. Has rainproof equipment place.
- 5: In without explosion dangerous environment, and without enough to corrosion metal and destruction insulation gas and electric conducting dust place
- 6: The DC circuit after three-phase power rectified.

◆ **Housing and dimensions:**



◆ **Production Explain**

Dc flat wave Choke (reactor) in the circuit is mainly used to improve the quality of power, increase power factor; Our company's the DC flat wave reactor used high-quality international advanced cold rolled silicon steel sheet , specific volume small, low temperature, noise etc., DC specifications from 2 Amp to 10K Amp, voltage from 220V to 2000V; and we have huge amount inventory, welcome customers to inquire.

Because the page is limited, there are only some model product specifications, my company also provides filter reactor, hollow reactor, capacitive reactor, the series connecting reactor, DC reactor and other products; these have Suced in matching with many famous brand frequency inverter , such as Siemense, Schneider, Yaskawa, Danfoss, Vacon, Emerson, Fuji, mitsubishi,ABB.

◆ **Ordering instruction:**

- 1: Matching inverter power: KW
- 2: Inverter rated input voltage: V
- 3: Inverter running carrier frequency : KHz
- 4: DC choke rated working current: Amp
- 5: DC choke rated working inductance: MH
- 6: Motor load type: Such as fan or pump etc.
- 7: Dimension demand
- 8: Delivery time

◆ **DC Flat Wave Choke (Reactor) for Frequency Inverter**

Inverter Model (KW)	Choke Model	Size L*W*H(mm)	Installation Size (mm)
0.75	EM-RAD3-d75	130*90*120	79*65
1.5	EM-RAD3-1d5	130*90*120	79*65
2.5	EM-RAD3-2d2	130*90*140	79*65
4	EM-RAD3-004	130*90*140	79*65
5.5	EM-RAD3-5d5	130*115*140	79*85
7.5	EM-RAD3-7d5	130*115*140	79*85
11	EM-RAD3-011	250*130*180	120*75
15	EM-RAD3-015	250*130*180	120*75
18	EM-RAD3-018	250*140*180	120*75
22	EM-RAD3-022	250*140*180	120*75
30	EM-RAD3-030	250*150*180	120*85
37	EM-RAD3-037	250*150*180	120*85
45	EM-RAD3-045	310*150*230	120*90
55	EM-RAD3-055	310*150*250	120*100
75	EM-RAD3-075	310*170*250	120*100
93	EM-RAD3-093	310*170*250	120*100
110	EM-RAD3-110	310*190*250	120*110
132	EM-RAD3-132	310*210*250	120*130
160	EM-RAD3-160	310*210*250	200*130
187	EM-RAD3-185	310*250*270	200*135
200	EM-RAD3-200	340*250*330	200*135
220	EM-RAD3-220	430*260*330	200*155
250	EM-RAD3-250	430*260*330	200*155
315	EM-RAD3-315	430*280*330	200*165
375	EM-RAD3-375	430*280*380	200*165
400	EM-RAD3-400	430*280*380	200*165

◆ **Application diagram:**

