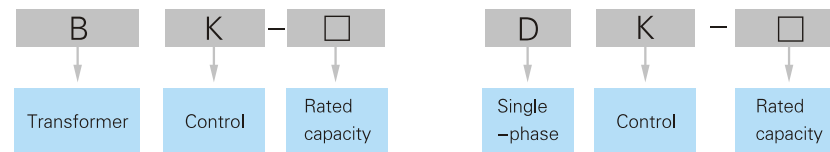


**Structure character**

According to different structures, BK transformer belongs to shell type, and according to the installation mode, it belongs to vertical type.

**Model Implication**

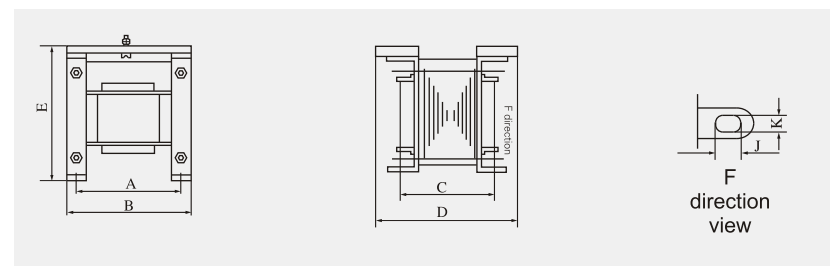


**Working environment**

1. Ambient air temperature:  $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$ , the highest monthly mean temperature should not exceed  $+30^{\circ}\text{C}$ ;
2. Altitude for installing place should not exceed 1000m;
3. When the ambient air temperature is  $+40^{\circ}\text{C}$ , the relative humidity should not exceed 50%, and it allows higher relative humidity under lower temperature. Max average humidity in the dampest month is 90%, meanwhile the lowest average temperature of this month is  $+25^{\circ}\text{C}$ , and condensation on the product surface caused by temperature change should be taken into consideration.

**Outline & installation size**

Model	Overall size(mm)			Hole distance for installation(mm)		Installation hole(mm)
	Bmax	Dmax	E <sub>max</sub>	A	C	
<b>BK-50</b>	8	6.5	9.5	$61 \pm 0.4$	$54 \pm 3$	5 × 12
<b>BK-100</b>	8.5	8	10	$70 \pm 0.4$	$60 \pm 2.5$	6 × 12
<b>BK-150</b>	9.6	9	11	$80 \pm 0.4$	$62 \pm 2.5$	6 × 12
<b>BK-250</b>	10.5	9.5	11.5	$88 \pm 0.4$	$73 \pm 3$	9 × 11.5
<b>BK-300</b>	10.5	10	11.5	$95 \pm 0.4$	$76 \pm 3$	9 × 11.5
<b>BK-400</b>	11.4	10.5	12.5	$100 \pm 0.4$	$80 \pm 3$	9 × 11.5
<b>BK-500</b>	12	11	13	$100 \pm 0.4$	$86 \pm 3$	9 × 11.5
<b>BK-700</b>	13.2	12	14	$125 \pm 0.4$	$100 \pm 3$	9 × 11.5
<b>BK-1000</b>	15	12.5	15.5	$125 \pm 0.4$	$110 \pm 3.5$	9 × 11.5
<b>BK-1500</b>	15	13	15.5	$134 \pm 0.4$	$116 \pm 3.5$	9 × 11.5
<b>BK-2000</b>	15	14.5	15.5	$158 \pm 0.4$	$122 \pm 3.5$	9 × 11.5



**JMB** light control transformer  
**DG** series single-phase dry type transformer

It is suitable for AC circuit of 50~60Hz, widely applied in electronic industry, industrial and mining enterprise, worked as control power supply for usual circuit of machine tool and mechanical equipment and as power supply for safety lighting and indicator lamp.

### Technical character

The primary and secondary windings are wound separately, when the secondary one only has one winding, then it takes on all the rated capacity for transformer. If the secondary one accompanied with control, lighting and indicator lamp windings, it will be wound respectively according to each winding capacity. For simplex winding transformer with center tap, all the center taps capacity should be lower than rated capacity of transformer, only the max voltage output terminal can bear the rated capacity.

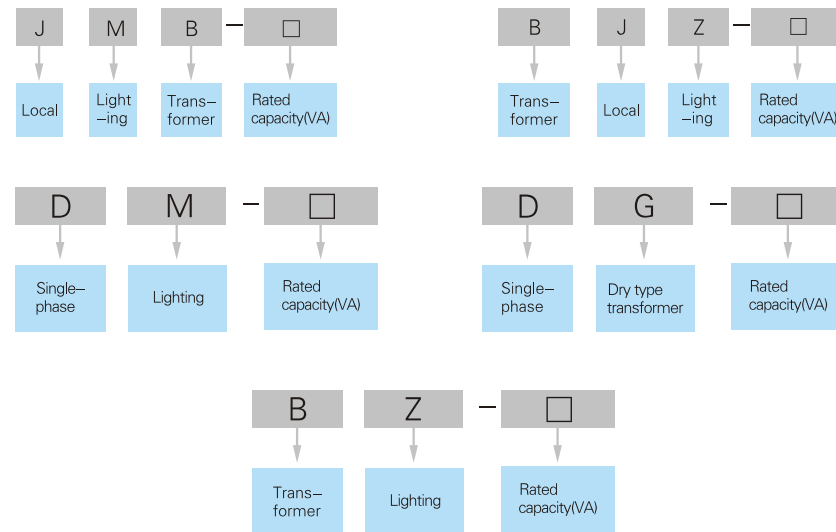
### Working environment

The transformer can work reliably under the following conditions:

1. Altitude should not exceed 2,500m;
2. Ambient air temperature: -25°C~+ 40°C;
3. Relative humidity: max average relative humidity of the dampest month is 90%;
4. Places that are free from severe vibration or shock;
5. Environment exists without explosive medium, gas or conductive dust that will erode metal and destroy insulation;
6. Places that are free from rain or snow.



### Model Implication



### Spec & installation size(JMB、 DG)

Spec(VA)	Rated input voltage(V)	Rated output voltage(V)	Overall size(cm)	Weight (kg)
25	220	6(6.3)	12 × 12 × 10	80
50	220		12 × 12 × 10	115
100	220		12 × 12 × 10	140
150	220		12 × 12 × 10	155
200	220		15 × 15 × 12	180
250	220		15 × 15 × 12	255
300	380	110	15 × 15 × 12	280
400	380	127	20 × 20 × 15	310
500	380	220(330)	20 × 20 × 15	340
700	220		22 × 22 × 15.5	390

### Notice

1. Before purchasing, please calculate out the total capacity of electrical appliances that you are using and then choose right transformer, make sure that the transformer will not be burnt during instantaneous starting.
2. This transformer is designed and produced according to national relative standards strictly. When you apply transformers with multi windings ( multi control voltage), please accord to the voltage ratio to add transformer's capacity proportionally, so that the transformer will not be burnt.
3. Before installing please check the data that on the nameplate carefully to see if the specification is what you need, only after confirmed that you can install and put it into use.
4. After switching on, the iron core and coil of transformer will be heated ( but the temperature rise will not exceed 80°C), it's a normal phenomenon, once the temperature rise exceeds 80°C, even there is smoke, please cut the power supply and check the capacity of electrical appliances again.
5. During transportation, try to avoid impact, and far away from damp. During operation, pay attention to maintaining to ensure the transformer's service life.

### Spec & installation size(JMB、 DG)

Spec(VA)	Rated input voltage(V)	Rated output voltage(V)	Overall size(cm)	Weight (kg)	
800	220	6(6.3)	22 × 22 × 15.5	450	
1000	220		25 × 25 × 15.5	500	
1200	220		25 × 25 × 18	650	
1500	220		25 × 25 × 18	820	
2000	220		25 × 25 × 20	970	
2500	220		28 × 28 × 22	1200	
3000	220		28 × 28 × 22	1450	
4000	380		12	30 × 30 × 22	1600
5000	380		24	30 × 30 × 22	1800
7000	380		36	35 × 35 × 37	2500
8000	380	48	35 × 35 × 37	2800	
10k	380	110	35 × 35 × 37	3450	
15k	380	127	50 × 50 × 47	4800	
20k	380	220(330)	60 × 40 × 88	6500	
25k	380		60 × 40 × 88	7500	
30k	380		60 × 40 × 88	8800	
40k	380		60 × 40 × 88	11500	
50k	380		60 × 40 × 88	13000	
60k	380		60 × 50 × 95	15500	
80k	380		60 × 50 × 95	18700	
100k	380		60 × 75 × 95	23000	
200k	380		60 × 75 × 95	44500	

### Technical character

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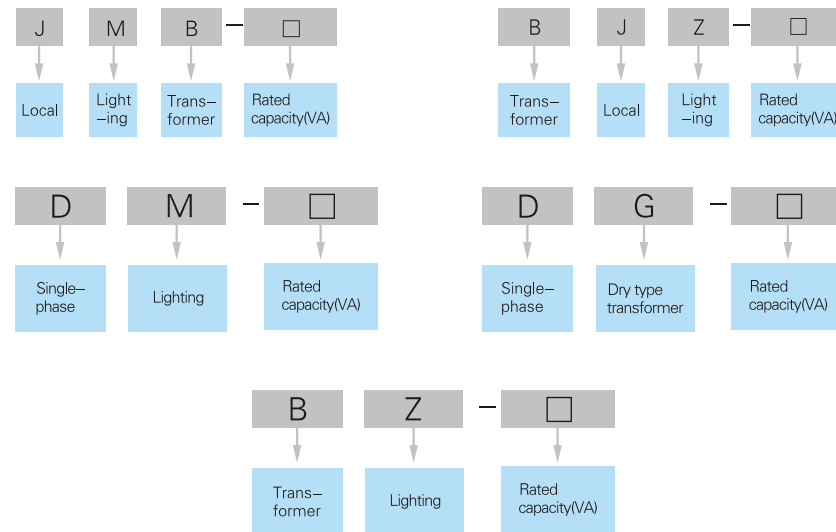
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### Model Implication



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