

1. Application

BK series machine tool control transformer is suitable for circuit of 50~60Hz, voltage up to 500V, usually applied as power supply for machine tool electrical appliances, local lightings and indicator lamps.



2. Specification

2.1 Structure character

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

2.2 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 $+40$, 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.

2.3 Specification

Type	Outline(mm)	Mounting size(mm)	Primary voltage	Secondary voltage	Weight (kg)	QTY/ CTN
BK-25VA	76×80×75	63×44	220V 380V	380V,220V,110V, 36V,24V,12V,6V (TO BE CHOSEN)	1.97	16
BK-50VA	85×90×80	71×61			3.3	16
BK-100VA	103×92×95	87×69			5.5	12
BK-150VA	103×100×95	87×76			6.4	8
BK-200VA	103×106×95	87×81			7.3	8
BK-250VA	115×110×130	95×84			9	6
BK-300VA	115×115×130	95×86			9.87	6
BK-400VA	134×132×150	107×93			13.9	4
BK-500VA	134×137×150	107×98			15.5	4

Type	Outline(mm)	Mounting size(mm)	Primary voltage	Secondary voltage	Weight (kg)	QTY/ CTN
BK-1000VA	153×149×168	128×115	220V 380V	380V,220V,110V, 36V,24V,12V,6V (TO BE CHOSEN)	25	2
BK-1500VA	175×185×185	140×135			17	1
BK-2000VA	175×195×185	140×145			21	1
BK-2500VA	207×250×230	168×163			25	1
BK-3000VA	207×250×230	168×173			28	1
BK-4000VA	240×240×250	200×160			40	1
BK-5000VA	240×250×250	200×170			41	1

3. Installation

size

Model	Overall size(mm)			Hole distance for installation(mm)		Installation hole (mm)K x J
	Bmax	Dmax	Emax	A	C	
BK-50	76	76	83	61±0.4	54±3	5 × 12
BK-100	84	92	100	70±0.4	60±2.5	6 × 12
BK-150	96	105	110	80±0.4	62±2.5	6 × 12
BK-250	105	120	125	88±0.4	73±3	9 × 11.5
BK-300	115	125	125	95±0.4	76±3	9 × 11.5
BK-400	120	130	130	100±0.4	80±3	9 × 11.5
BK-500	134	144	150	100±0.4	86±3	9 × 11.5
BK-700	150	150	158	125±0.4	100±3	9 × 11.5
BK-1000	150	153	160	125±0.4	110±3.5	9 × 11.5
BK-1500	160	240	137	134±0.4	116±3.5	9 × 11.5
BK-2000	189	270	145	158±0.4	122±3.5	9 × 11.5