

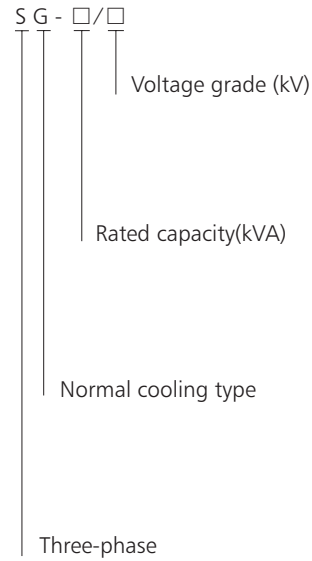


SG Three-phase Air-immersed Transformer

1. Scope of application

SG series Three-phase Air-immersed Transformer, is natural cooling indoor, it is applicable to the circuit of AC 50Hz~60Hz, 1000V and below. It can be used in control power of machine tool and mechanical equipment small type power as well as work lighting and signal lamp power.

2. Type designation



3. Normal working and mounting conditions

- 3.1 Altitude not exceed 2000m.
- 3.2 Ambient temperature within -5°C ~ +40°C.
- 3.3 Relative humidity: less than 95%.
- 3.4 In the ambient, there should not have the gas that corroding metal, destroying insulation. The transformer should not be corroded by water, rain or snow.

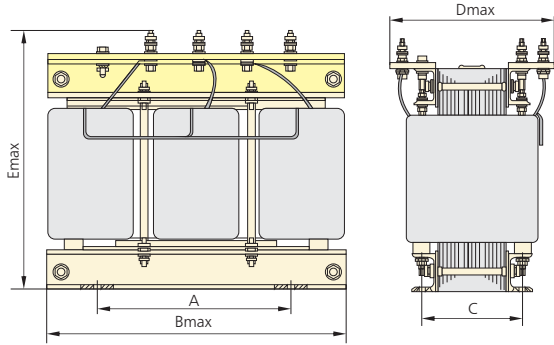
4. Configuration and characters

The transformers have two body types: exposed and fence. It has the advantage of low consumption, small noise, better performance against fire and free of pollution etc. The shell of the protective type is made of steel plate, the transformer is in the shell. There are several holes outside the shell to install the power lines. In addition, this type can add the monitor meter of the voltage and current according to the customer request. And if the capacity is above 80KVA, it can also add the axial flow fan or wheels for moving.

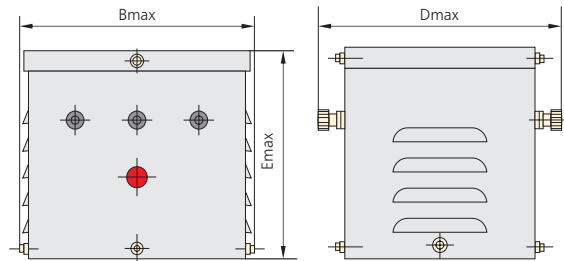
5. Overall and mounting dimensions

- 5.1 The outline of SG series exposed dry cooling type transformer (as sheet, fig.1)
- 5.2 The outline of SG series fence dry cooling type transformer (as sheet, fig.2, fig.3, fig4, fig.5)

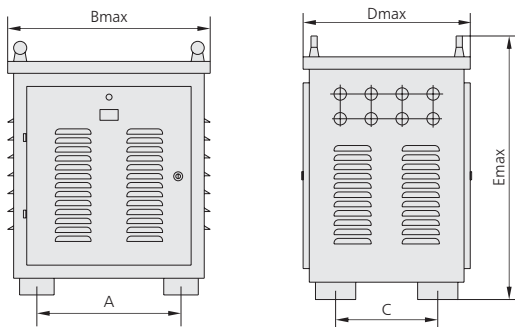
Exposed type



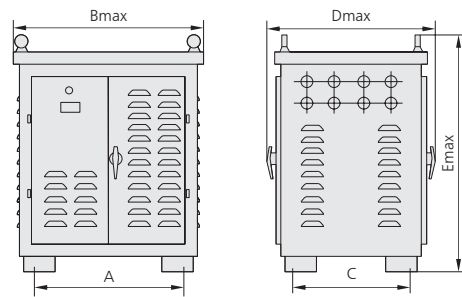
Fence type (0.3kVA~3kVA)



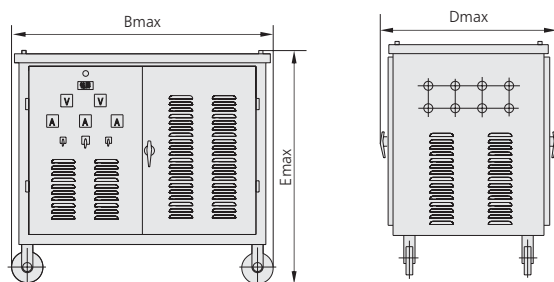
Fence type (4kVA~20kVA)



Fence type (30kVA~60kVA)



Fence type (80kVA~500kVA)



Model	Capacity	Voltage (V)		Connecting mark	Overall dimensions (mm)										Mounting holes			
		Input	Output		Exposed			Fence			Exposed		Fence					
					Bmax	Dmax	Emax	Bmax	Dmax	Emax	A±5	C±5	A±5	C±5				
SG-0.15	0.15	660	380	Yyno (Y/Yo)	200	120	140	220	240	185	125	77	-	-	6×15			
SG-0.3	0.3				200	120	140	220	240	185	125	77	-	-				
SG-0.5	0.5				200	125	140	220	240	185	125	82	-	-				
SG-0.75	0.75				400	220	Yd (Y/Δ)	250	146	220	330	315	265	150	95	-	-	8×16
SG-1	1							250	156	220	330	315	265	150	106	-	-	
SG-1.5	1.5							315	220	260	370	355	315	220	103	-	-	
SG-2	2							315	220	260	370	355	315	220	103	-	-	
SG-2.5	2.5							315	240	260	370	355	315	220	120	-	-	
SG-3	3	315	240	260				370	355	315	220	120	-	-				
SG-4	4	380	110	Dy (Δ/Y)	360	320	330	510	400	550	280	125	415	170	10×20			
SG-5	5				360	320	330	510	400	550	280	125	415	170				
SG-6	6				360	320	330	510	400	550	280	125	415	170				
SG-8	8				400	320	350	560	430	600	280	130	465	200				
SG-10	10	220	36	Dy (Δ/Y)	430	350	390	560	430	600	310	145	465	200	Φ 10			
SG-15	15				480	355	410	600	440	620	310	155	515	210				
SG-20	20				520	360	430	650	440	650	310	160	545	210				
SG-30	30				690	430	500	870	500	780	420	170	765	270				
SG-40	40			Dd (Δ/Δ)	710	450	510	960	640	830	420	175	865	320	Φ 14			
SG-50	50				770	470	570	960	640	830	420	190	865	320				
SG-60	60				780	490	570	1000	640	860	420	200	895	320				
SG-80	80				855	500	600	1060	830	1080	420	205	with weels					
SG-100	100	Φ 14	870	520	620	1140	840	1140	420	220	with weels							
SG-150	150		960	580	700	1180	980	1250	640	240	with weels							
SG-200	200		1000	600	750	1260	1000	1300	680	245	with weels							
SG-300	300	Φ 14	1150	750	1000	1480	1020	1480	750	460	with weels							
SG-500	500		1350	920	1260	1700	1500	1700	820	510	with weels							

Notice:

- The dimensions of the above only for reference, when the input current is more than 300A, the customer need to order specially, and the size will change correspondingly.
- You can choose the rated input/output voltage in the sheet arbitrarily according to the demand.
- The voltage and size out of the sheet, should confer with consumer on their demand.
- SG-80kVA and above fence type transformer body have wheels and fan cooling system, with ammeter and voltmeter, as fig.5.
- SG-4kVA~60kVA fence type transformer only have body, with one indicator light of power, as fig.3, fig.4.
- SG-0.3kVA~3kVA fence type transformer's wiring terminals are outside, with an indicator light of power, as fig.2.

6. Order notice

- product designation: three-phase normal-type transformer
- product type
- output capacity: 20kVA
- frequency: 50Hz
- rated input voltage (line-to-line voltage):380V
- rated input voltage (line-to-line voltage):220V
- connection mode: input is "Y", output is "Δ" or Mark Y/Δ
- exposed or fence: exposed

