



SG Three-phase Air-immersed Transformer

1.General

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

SG - □ / □

				Voltage grade (kV)
				Rated capacity(kVA)
				Normal cooling type
				Three-phase

3. Operating 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 has the gas that corroding metal, destroying insulation. The transformer should not be corroded by water, rain or snow.

4. Features

The transformers have two body types: exposed and fence. It has the advantage of low consumption, low 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 installation the power lines In addition, this type can add the monitor meter of the voltage and current according to the customer's request, And if the capacity is above 80KVA, it can also add the axial flow fan or wheels for moving.

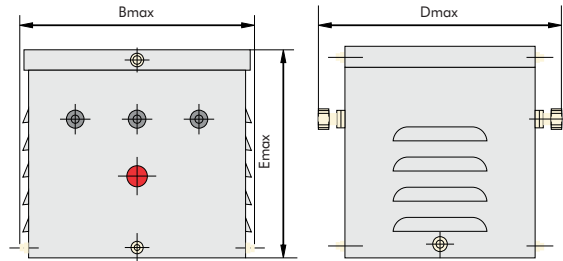
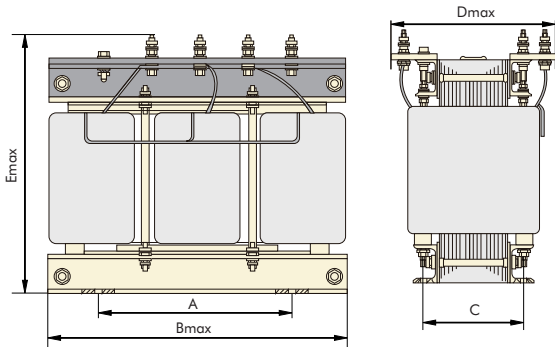
5. Overall and mounting dimensions

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, fig.4, fig.5)

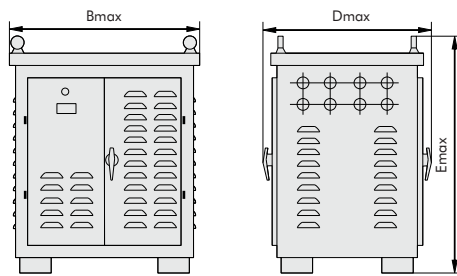
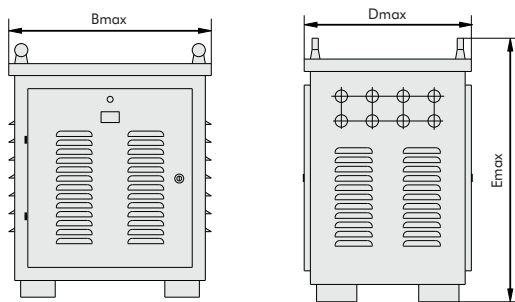
Exposed type

Fence type (0.3kVA~3kVA)

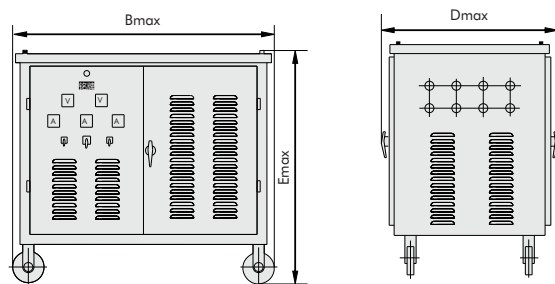


Fence type (4kVA~20kVA)

Fence type (30kVA~60kVA)



Fence type (80kVA~300kVA)



Model	Capacity	Capacity		Connecting mark	Overall dimensions (mm)													
		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	380	220	Y _{yno} (Y/Y _o)	200	120	190	220	240	225	125	64	-	-	6×12			
SG-0.3	0.3				200	120	190	220	240	225	125	64	-	-				
SG-0.5	0.5				200	125	190	220	240	225	125	74	-	-				
SG-0.75	0.75				400	220	Y _{yno} (Y/Δ)	250	146	240	300	280	265	150	96	-	-	8×16
SG-1	1							250	156	240	300	280	265	150	106	-	-	
SG-1.5	1.5							330	220	290	390	355	300	220	103	-	-	
SG-2	2							330	220	290	390	355	300	220	103	-	-	
SG-2.5	2.5							330	240	290	390	355	300	220	120	-	-	
SG-3	3							330	240	290	390	355	300	220	120	-	-	
SG-4	4	380	220	D _y (Δ/Y)	400	340	360	550	440	600	280	125			10×20			
SG-5	5				400	340	380	550	440	600	280	125						
SG-6	6				400	340	380	550	440	600	280	125						
SG-8	8				450	350	400	580	470	620	280	136						
SG-10	10	220	220	D _d (Δ/Δ)	480	370	450	620	470	680	310	150			12.5×20			
SG-15	15				530	380	480	680	470	700	310	155						
SG-20	20				550	390	480	680	470	700	310	160						
SG-30	30	380	220	D _d (Δ/Δ)	730	440	570	900	630	800	420	275			12.5×25			
SG-40	40				770	450	570	970	640	830	420	275						
SG-50	50				810	470	670	1000	640	900	420	300						
SG-60	60				870	490	710	1060	680	950	420	300						
SG-80	80				930	520	720	1140	890	1180	420	310	with weels					
SG-100	100				970	530	770	1190	900	1260	420	320	with weels					
SG-150	150				960	580	750	1200	990	1300	640	350	with weels					
SG-200	200				1000	600	830	1280	1010	1320	680	370	with weels					
SG-300	300				1150	750	1000	1480	1020	1480	750	460	with weels					

Note:

1. 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.
2. You can choose the rated input/output voltage in the sheet arbitrarily according to the demand.
3. The voltage and size out of the sheet, should confer with consumer on their demand.
4. SG-80kVA and above fence type transformer body have wheels and fan cooling system, with ammeter and voltmeter, as fig.5.
5. SG-4kVA~60kVA fence type transformer only have body, with one indicator light of power, as fig.3, fig.4.
6. SG-0.3kVA~3kVA fence type transformer's wiring terminals are outside, with an indicator light of power, as fig.2.

6. Ordering information

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