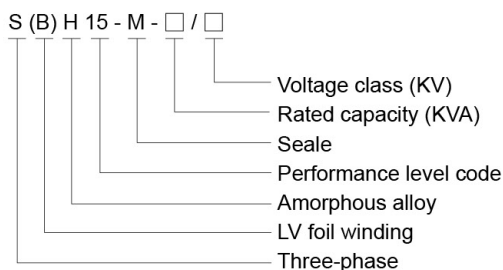


11KV S(B) H15 hermetically-sealed oil-immersed amorphous alloy distribution transformer

Product introduction

Hermetically-sealed oil-immersed amorphous alloy distribution transformer adopts the amorphous alloy iron as magnetic material .It is environment-friendly and energy-saving, which is complied with the standard of (China energy conservation outline » issued by National Economic Committee.

Model specification



Work condition

- 1.Altitude should not be over 1000m, indoor type
- 2.Highest ambient temperature should not over +40℃; highest daily average temperature should not over +30℃)
- 3.Highest annual average temperature should not over +20℃, lowest temperature should not below-25℃ .

* Non-standard transformer is accepted to redesign as per customer requirement.

Reference standards

- 1.Power transformer: GB1094.1-2-1996, GB1094.3-2003, GB1094.5-2008
- 2.Technical parameters and requirements for hermetically-sealed and oil-immersed amorphous alloy distribution transformer: JB/T10318-2002

Performance characteristics

1. Iron's magnetic material adopts amorphous alloy, which consists of materials such as iron and boron, etc.
2. The iron structure of amorphous alloy transformer adopts three phases and five columns.
3. This kind of transformer has similar body assembly, structure of oil tank, and protection devices with hermetical oil-immersed transformer.
4. This kind of transformer has same load-loss with S9 series, but the no-load loss of SBH-15 transformers are decreased by approximately 75% by comparing with S9 series. It can save electricity and decrease the loss cost. Generally, we can take back the extra investment in four years compared with the silicon-steel iron transformer.
5. Under the normal operation, it does not need to change oil, which decreases the transformer's maintenance cost and prolongs the service life.

Order information

Transformer type:

Rated capacity: KVA

Number of phases: three-phase ☐ single-phase ☐

High voltage: KV

Low voltage: KV

Frequency: 50HZ ☐ 60HZ ☐

Tapping range: $\pm 4 \times 2.5\%$ ☐ $\pm 3 \times 2.5\%$ ☐ other ☐

Connection group: YynO ☐ Dyn11 ☐ other ☐

Impedance voltage: 4% ☐ 6% ☐ other ☐

Cooling method: ONAN ☐ ONAF ☐

Protecting grade of outer casing: IP00 ☐ IP20 ☐ IP30 ☐ other ☐

Order information

Method of incoming and outgoing line:

1. Incoming line to lower part and outgoing line from upper part ☐
2. Incoming line to upper part and outgoing line from upper part ☐
3. Incoming line to lower part and outgoing line from side part ☐
4. other ☐

*The default color of shell is light grey (based on the standard color of DELIXI). Please indicate the color when it is different from your requirement.

Technical parameters of SBH15-M-30-1600/11 series distribution transformers

Rated capacity (kVA)	Voltage combination (kV)			Connecting group	No-load loss (w)	Load-loss (W) (75 ℃)	Short circuit impedance (%)	No-load current (%)	Weight (kg)			Overall dimension (mm)	Gauge (mm)
	High voltage (kV)	Tapping (%)	Low voltage (kV)						Tare	Oil	Total	Length × Width × Height	
50	6 6.3 10 11	± 5% ± 2x2.5%	0.4	Dyn11	43	870	4.0	1.3	225	130	460	910x740x900	550x550
100					75	1500		1.0	405	160	700	1000x870x955	550x550
160					100	2200		0.7	490	195	850	1110x920x975	550x550
200					120	2600		0.7	570	210	945	1080x1020x960	550x550
250					140	3050		0.7	670	230	1090	1170x1060x975	550x550
315					170	3650		0.5	810	240	1260	1170x1060x1030	660x660
400					200	4300		0.5	940	300	1510	1340x1110x1040	660x660
500					240	5150		0.5	1110	315	1710	1640x1060x1110	660x660
630					320	6200	4.5	0.3	1320	395	2050	1800x1080x1150	660x660
800					380	7500		0.3	1550	435	2370	1870x1080x1200	660x660
1000					450	10300		0.3	1800	470	2770	1990x1400x1300	660x660
1250					530	12000		0.2	2180	530	3350	2050x1500x1370	820x820
1600					630	14500		0.2	2730	600	4100	2180x1630x1430	820x820