

MARINE TRANSFORMERS

CSGD-5 Drip-proof Dry type Marine Three-phase Transformer

ISO9001 Supplier

Class Certificate

Export Supply

CSGD-5 Drip-proof Dry type Marine Three-phase Transformer: 1、 Purpose Drip-proof,dry type marine transformer All marine transformers are built on our dry type transformers basics of production ...



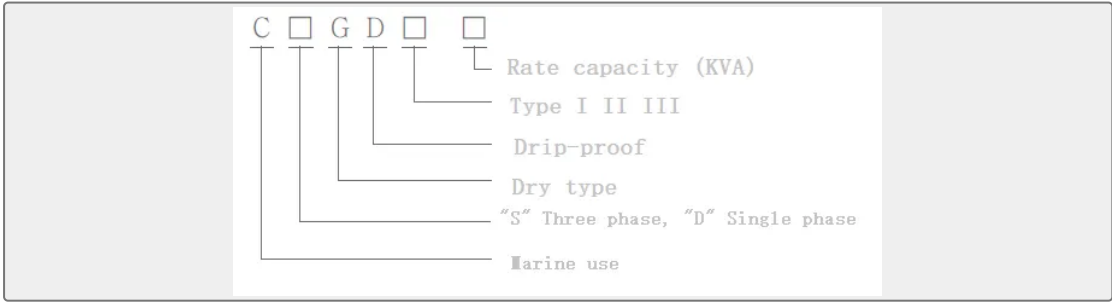
Key Highlights

|                                                                                                        |                                                                                   |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Category                                                                                               | Marine Transformers                                                               |
| Standard                                                                                               | ISO                                                                               |
| Material                                                                                               | The transformer enclosures are made of the best quality steel plate and ...       |
| Weight / Size                                                                                          | CSGD 5 3 3~3.5 110 165 12<br>IP22 IP23 10 3~3.5 160 280 8<br>15 3~3.5 200 370 ... |
| Certificate                                                                                            | CCS BV CE                                                                         |
| We can supply according to your requirement, drawings, class certificate needs, and delivery schedule. |                                                                                   |

| Technical Specifications |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |                                                                                                                                 |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------|
| Category                 | Marine Transformers                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Model / SKU | CSGD-5-Drip-proof-Dry-type-Marine-Three-phase-Transformer                                                                       |
| Standard                 | ISO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Material    | The transformer enclosures are made of the best quality steel plate and designed for air circulation and drip-proof, rat-proof. |
| Weight / Size            | CSGD 5 3 3~3.5 110 165 12 IP22<br>IP23 10 3~3.5 160 280 8 15 3~3.5<br>200 370 6 25 -410 450 380 440<br>Y/Y 3~3.5 250 520 6 35 400 -445<br>230 230 Y/△ 3~3.5 290 680 5 50<br>-390 -440 115 115 △/Y 3~3.5 350<br>1040 4 75 -380 400 450 △/△<br>3~3.5 450 1450 4 90 3~3.5 520<br>1600 3 100 3~3.5 550 1800 3 130<br>3~3.5 700 2200 3 150 3~3.5 800<br>2400 3 200 3~3.5 900 3500 3 300<br>3~3.5 1200 5200 3 400 3~3.5<br>1550 6600 3 500 3~3.5 1800 8300<br>3 Dimensions and install size: | Certificate | CCS BV CE                                                                                                                       |
| Warranty                 | 12 Months unless specified otherwise                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Origin      | China                                                                                                                           |

|          |                                                              |                   |
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|          | ■ Dimensions and install size:                               |                   |
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## CSGD-5 Drip-proof Dry type Marine Three-phase Transformer:



### 1、 Purpose

Drip-proof,dry type marine transformer  
All marine transformers are built on our dry type transformers basics of production in accordance with the technical requirements of the IEC.60076, and be approved by CCS.

### 2、 Service conditions

### 1. Purpose

Marine transformers are used for lighting, power, intercommunication or isolation of power lines on ships.

### 2. Service conditions

A height above sea-level not exceeding 1000m;

A temperature of ambient air not below -25°C and not above +45°C ;

Relative air humidity:  $\leq 95\%$  ;

Be influenced by dew, oil and salt vapor, molds;

There are vibrating, colliding, during ships transporting ;

Swing with angle up to 22.5 ° , shopping with 15° or below during ships transporting.

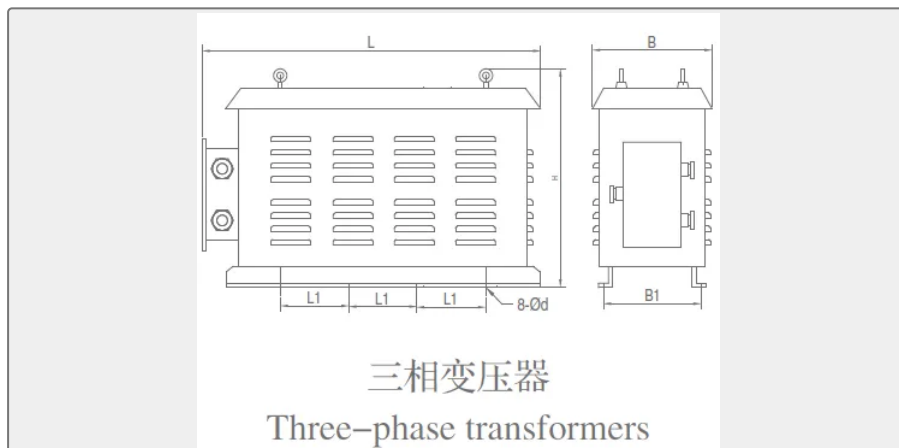
### 3. Structure

I Transformer are drip-proof, dry type, floor mounting type.

I Insulation class B, F or H.

I Three phase transformers are produced into three types, include one three phase transformer and three or four single phase transformers in fit together. The transformer enclosures are made of the best quality steel plate and designed for air circulation and drip-proof, rat-proof. The terminal board and tap changing boards are provided inside the enclosure. External input & output cables can be easily connected to the terminal board through the cable gland mounted on the left and/or right side of enclosure.

## Technical data:



| CSGD | 5   | 3 | 3~3.5 | 110  | 165  | 12  | IP22<br>IP23 |       |      |      |   |
|------|-----|---|-------|------|------|-----|--------------|-------|------|------|---|
|      | 10  |   | 3~3.5 | 160  | 280  | 8   |              |       |      |      |   |
|      | 15  |   | 3~3.5 | 200  | 370  | 6   |              |       |      |      |   |
|      | 25  |   | -410  | 450  | 380  | 440 | Y/Y          | 3~3.5 | 250  | 520  | 6 |
|      | 35  |   | 400   | -445 | 230  | 230 | Y/△          | 3~3.5 | 290  | 680  | 5 |
|      | 50  |   | -390  | -440 | 115  | 115 | △/Y          | 3~3.5 | 350  | 1040 | 4 |
|      | 75  |   | -380  | 400  | 450  | △/△ | 3~3.5        | 450   | 1450 | 4    |   |
|      | 90  |   | 3~3.5 | 520  | 1600 | 3   |              |       |      |      |   |
|      | 100 |   | 3~3.5 | 550  | 1800 | 3   |              |       |      |      |   |
|      | 130 |   | 3~3.5 | 700  | 2200 | 3   |              |       |      |      |   |
|      | 150 |   | 3~3.5 | 800  | 2400 | 3   |              |       |      |      |   |
|      | 200 |   | 3~3.5 | 900  | 3500 | 3   |              |       |      |      |   |
|      | 300 |   | 3~3.5 | 1200 | 5200 | 3   |              |       |      |      |   |
|      | 400 |   | 3~3.5 | 1550 | 6600 | 3   |              |       |      |      |   |
|      | 500 |   | 3~3.5 | 1800 | 8300 | 3   |              |       |      |      |   |

## Dimensions and install size:

| CSGD-5   | 5   | 625  | 430  | 525  | 500   | 295 | 12    | 105  |
|----------|-----|------|------|------|-------|-----|-------|------|
| CSGD-10  | 10  | 725  | 485  | 585  | 580   | 360 | 14    | 155  |
| CSGD-15  | 15  | 735  | 495  | 610  | 600   | 370 | 14    | 170  |
| CSGD-25  | 25  | 770  | 500  | 640  | 640   | 370 | 14    | 220  |
| CSGD-35  | 35  | 830  | 515  | 680  | 640   | 380 | 14    | 280  |
| CSGD-50  | 50  | 895  | 560  | 795  | 680   | 415 | 18    | 355  |
| CSGD-75  | 75  | 960  | 620  | 900  | 700   | 480 | 18    | 510  |
| CSGD-90  | 90  | 1100 | 690  | 970  | 720   | 505 | 22    | 600  |
| CSGD-100 | 100 | 1100 | 690  | 970  | 720   | 505 | 22    | 630  |
| CSGD-130 | 130 | 1180 | 720  | 1020 | 3 300 | 595 | 4-Φ18 | 720  |
| CSGD-150 | 150 | 1280 | 770  | 1020 | 3 360 | 630 | 4-Φ18 | 950  |
| CSGD-200 | 200 | 1280 | 830  | 1120 | 3 360 | 630 | 4-Φ18 | 1100 |
| CSGD-300 | 300 | 1400 | 1000 | 1270 | 3 360 | 860 | 4-Φ18 | 1550 |
| CSGD-400 | 400 | 1500 | 1000 | 1300 | 3 370 | 860 | 4-Φ18 | 2200 |
| CSGD-500 | 500 | 1680 | 1000 | 1350 | 3 380 | 860 | 4-Φ18 | 2400 |