IRCLASS Indian Register of Shipping
MARINE CERTIFICATION

TRANSFORMATION / DUAL-OUTPUT ISOLATION

90 kVA

Three-phase isolation transformer

400 V input. Two dedicated 45 kVA outputs.

MARINE APPLICATION | IRS CERTIFIED | IP54



415 V + 230 V	Copper	Forced air
DUAL SECONDARY	WINDINGS	COOLING

TECHNICAL DATA

Designed around the load

Model SIE 90.3.3. | Marine application | Continuous duty

400 V	415 V	230 V
PRIMARY / 130 A	45 kVA / 62.5 A	45 kVA / 113 A

Electrical configuration	
Rated capacity / phases	**90 kVA / 3-phase**
Frequency / duty	**50/60 Hz / Continuous**
Primary / secondary connection	**Delta / Delta**
Vector group	**Dd0**
Winding conductor	**Copper**
Core material	**CRGO electrical steel laminations**

Performance & insulation	
Insulation class	**Class H**
No-load loss	**< 1,500 W**
Full-load loss	**< 3,000 W**
Efficiency at 100% load	**> 95%**
HV withstand test	**2 kV for 60 seconds**

Construction	
Cooling	**Forced air**
Enclosure / protection	**MS enclosure / IP54**
Specified paint shade	**RAL 7032**
Primary / secondary termination	**Terminals / Terminals**
Applicable standard	**IS 11171**

PRODUCT VIEWS & INSTALLATION

Supplied for marine use

IRS certification for the supplied marine application

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Indian Register of Shipping

Certification for the supplied marine unit



01 Front view



02 Side view



03 Rear view

Approximate dimensions

700 × 900 × 1,000 mm

Length × Depth × Height

Unpacked weight

< 600 kg

Dimensions and weight are indicative and subject to final confirmation. They may vary with core lamination and copper wire availability.

Discuss your requirement

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