

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex T8271

Trusted roof-mounted fan tray

INPUT	FANS	LOCATION	PROTECTION
18-28 Vdc	Eight	Cabinet roof	IP20 with cowl

For qualified personnel only. This installation summary is not a substitute for the controlled manufacturer procedure, system safety plan or approved site isolation requirements.

01

BEFORE INSTALLATION

Exact roof assembly	Confirm T8271, eight horizontal fans and the required cabinet-bay location.
Roof mounting and cowl	Match the approved roof mounting and cowl; IP20 is stated only with the cowl fitted.
Feeds and fuses	Check both nominal 24 V feeds and 500 mA anti-surge protection for each four-fan group.
Cable and pin services	Use TC-011-01 and the full SKT1/SKT2 service table; do not infer connector orientation.
Chain and environment	Verify the approved downstream population, exhaust route and stated operating environment.

02

PREPARATION AND BOUNDARIES

- Qualified personnel must apply the approved electrical isolation, hazardous-area and cabinet maintenance plan. Do not treat dual supply feeds as authorization for live fan replacement.
- Secure the roof assembly using the controlled cabinet instructions and retain the cowl. The source does not establish a universal bolt pattern, tightening torque or hot-swap procedure.

03
INSTALLATION AND COMMISSIONING

01	Identify the complete roof fan tray, cabinet bay, cowl and approved maintenance conditions before work.
02	Isolate affected feeds and prevent access to moving fan blades under the site safety procedure.
03	Match the horizontal eight-fan chassis and roof support to the approved cabinet drawing. Do not infer mounting dimensions beyond the documented assembly outline.
04	Connect TC-011-01 using the full service table. Check both supply polarities and specified 500 mA anti-surge protection.
05	Fit the required cowl, retain the intended exhaust path and verify that the connected fan population remains within the documented supply arrangement.
06	Restore power under the approved procedure. Verify all fans and cabinet exhaust before releasing the equipment for service.

04
SAFETY AND FINAL CHECKS

- The IP20 statement is conditional on the fitted roof cowl. Neither the uncovered fan tray nor a different cabinet arrangement inherits that claim automatically.
- 69 m3/h is per fan, while the table gives 41 dB for eight fans. Do not infer aggregate installed airflow, cooling capacity or alternative fuse requirements.

05
OFFICIAL PROCEDURE

PD-T8271 Issue 12 | Trusted Roof-Mounted Fan Tray

PDF p. 1: exhaust role and roof-cowl condition; p. 11: eight-fan arrangement and wiring; p. 12: supplies and cable; p. 13: assembly ratings.

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM

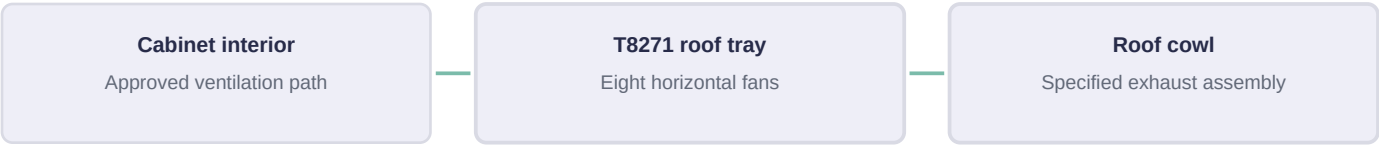
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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex T8271 | Documented installation context

Original Amikon illustration based on the linked OEM pages. Logical arrangement only; not to scale and not an electrical wiring or manufacturer installation drawing.

A | EQUIPMENT ARRANGEMENT



The normal arrangement is one roof tray per cabinet bay. The cowl supports the assembly and is required for the stated IP20 condition.

TC-011-01 supplies the documented dual feeds; each protected group contains four fans. Use the original wiring figure and service table.

B | CONFIGURATION BOUNDARY

Match T8271, the cabinet roof mounting, cowl, dual feeds and approved fan-chain population. Shared fan type or voltage does not make it interchangeable with the rack tray; confirm the actual supplied cowl and fixing arrangement separately.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

- Roof tray arrangement and eight-fan wiring - PDF page 11
- Fan supply connection and service table - PDF page 12
- Assembly ratings and noise specification - PDF page 13

If the viewer ignores the page target, enter the stated PDF page manually. Retain the full manufacturer warnings and approved maintenance plan; this reference does not authorize live work.