Hazardous Area Cabinet Coolers

Space saving ‘Ex’ Certified Air Cooled Cabinet Coolers For Operation In Hazardous Gas Areas

Innovative safety driven IECEX / ATEX certified hazardous area cooling solutions

stolway.com

Hazardous Area Air Cooled Cabinet Coolers

APPLICATIONS

- Analyzer Instrument Field Cabinets
- Control Panels requiring temperature regulation. Suitable for outdoor installations
- Cabinet cubicles containing heat-producing components where cross-ventilation systems are not suitable or appropriate

TYPICAL DESIGN FEATURES

- IECEx or ATEX certification for Zone 1 Group IIB+H2 T3 hazardous areas
- Single overall certificate of conformity
- Nominal capacities - 2kW & 4 kW
- Designed for tough environments – up to 54°C ambient temperatures as standard Suitable for outdoor installation.
- Environmentally friendly R134a refrigerant with zero ozone depletion potential
- All-in-one design integrated control enclosure
- Single point power connection

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TYPICAL CONSTRUCTION FEATURES

- Casing – Galvanised steel powder coated material
- 25mm insulation foil faced in Evaporator section
- Fully hermetic Ex'd certified compressors for maximum reliability and minimum maintenance
- Non-sparking direct drive condenser and ventilation fans
- Air Cooled Condenser Coil – Copper Tube/Aluminium Fins, with Epoxy treatment providing corrosion protection and long service life in oil, gas and marine applications

OPTIONS

- Project compliant paint systems & colours
- Coil – Copper Tube / Copper Fin
- Casing – SS304 or SS316 Material
- Ambient temperature rating to 60ºC
- T4 temperature rating

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Typical Specifications/Features

Standard Technical Features	STCC2 G-15FP	STCC4 G-15FP	STCC2 G-16FP	STCC4 G-16FP	STCC2 G-35FP	STCC4 G-35FP	STCC2 G-36FP	STCC4G -36FP
Power Supply	230V/1Ø/50Hz		230V/1Ø/60Hz		415V/3Ø/50Hz		460V/3Ø/60Hz	
Capacity at 30°C Amb. Nom.	2.1kW	4.1kW	1.9kW	4.0kW	2.1kW	4.1kW	1.9kW	4.0kW
Capacity at 40°C Amb. Nom.	1.9kW	3.8kW	1.8kW	3.7kW	1.9kW	3.8kW	1.8kW	3.7kW
Capacity at 50°C Amb. Nom.	1.7kW	3.5kW	1.6kW	3.2kW	1.7kW	3.5kW	1.6kW	3.2kW
Supply Airflow Nom.	120L/s	200L/s	140L/s	200L/s	120L/s	200L/s	140L/s	200L/s
Max. Operating Amb.	54°C	53°C	54°C	53°C	54°C	53°C	54°C	53°C
Unit Weight	125kg	170kg	125kg	170kg	125kg	170kg	125kg	170kg
Running Current Nom.	8.3A	13.3A	8.1A	12.5A	5.1A	5.6A	5.1A	5.7A
Dimensions (mm)	500 W 730 D 1200 H	550 W 830 D 1300 H	500 W 730 D 1200 H	550 W 830 D 1300 H	500 W 730 D 1200 H	550 W 830 D 1300 H	500 W 730 D 1200 H	550 W 830 D 1300 H
Ext. Component IP Rating	IP66							
Thermostat Setpoint	24°C adjustable							
Casing Material	Galvanized steel (G) | 304 stainless steel (S) | 316 stainless steel (M)							
Casing Finish	Polyester powder coat – RAL7032							
Refrigeration Coils	Copper tube Aluminium fins with epoxy treatment for corrosion protection							
Condensate Drip Tray	Stainless steel – includes serviceable P-trap type condensate drain							
Condenser Fan	Direct drive polypropylene non-sparking type with Ex certified TEFC motor							
Ventilation Fan	Forward curved centrifugal type with copper guarded non-sparking construction Drive is through a stainless steel shaft fitted to an Ex certified TEFC motor							
Electrical Enclosure	Certified Ex d electrical enclosure suitable for use in the specified hazardous area Contains all motor control equipment and protection devices							
Ex Marking	IECEx: Ex IIB+H2 T3 | ATEX: II (1) 2 G Ex IIB+H2 T3							
Certification	IECEx		IECEx SIR 11.0155X Sira 11ATEX1356X			ATEX		
Australian Refrigeration Council Ltd. Certificate	Authorisation No: AU07408							
Ordering Information	STCC 2 G - 1 5 FP 2kW 2 4kW 4 Stainless steel 316 M Stainless steel 304 S Galvanised Steel G 5 50 Hz 6 60Hz 1 Single phase 3 Three phase							