

File E204590

Project 99RT8366

November 18, 1999

REPORT

on

COMPONENT, MISCELLANEOUS HEATER

STEGO FRANCE
SAINTE HONORINE FRANCE

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component, Miscellaneous Heaters, Models CR027 followed by 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, followed by .0 or .9, may be followed by additional suffix digits.

ELECTRICAL RATING: 240 Vac maximum, 650 W maximum. See table below for details.

MODEL	INPUT VOLTAGE	50 Hz WATTS	60 Hz WATTS	Special feature (+)
CR02700.0-00	220-240 Vac	475	550	Th.°C
CR02700.0-01	220-240 Vac	400	550	Th.°C
CR02700.9-00	100-120 Vac	400	550	Th.°F
CR02701.0-00	220-240 Vac	550	650	Th.°C
CR02701.9-00	100-120 Vac	510	650	Th.°F
CR02702.0-00	220-240 Vac	400	550	Th.°C
CR02702.9-00	100-120 Vac	400	550	Th.°F
CR02703.0-00	220-240 Vac	550	650	Th.°C
CR02703.9-00	100-120 Vac	450	650	Th.°F
CR02704.0-00	220-240 Vac	470	550	Th.°F
CR02705.0-00	220-240 Vac	550	650	Th.°C, P/sel, D
CR02705.9-00	100-120 Vac	450	650	Th.°F, P/sel, D
CR02706.0-00	220-240 Vac	550	650	Th.°F
CR02706.9-00	100-120 Vac	450	650	Th.°F
CR02707.9-00	220-240 Vac	400	550	Th.°F
CR02708.9-00	220-240 Vac	550	650	Th.°F
CR02709.9-00	220-240 Vac	400	550	Th.°F
CR02710.9-00	220-240 Vac	550	650	Th.°F
CR02711.9-00	220-240 Vac	550	650	Th.°F
CR02712.9-00	220-240 Vac	550	650	Th.°F
CR02700.9-01	100-120 Vac	400	550	D
CR02701.9-01	100-120 Vac	450	650	D
CR02700.9-02	100-120 Vac	400	550	Th.°F
CR02705.0-01	220-240 Vac	550	650	Th.°C, P/sel, D
CR02705.9-01	100-120 Vac	550	650	Th.°F, P/sel, D
CR02700.0-02	220-240 Vac	400	550	Th.°C
CR02701.0-01	220-240 Vac	550	650	Th.°C
CR02701.9-02	100-120 Vac	450	650	Th.°C

(+) The following terminology is used:

- Th.°C = Thermostat in °C,
- Th.°F = Thermostat in °F,
- P/sel = Power Selection by a strap
- D = model dedicated to a specific client

MODEL DIFFERENCES:

All models are similar except for overall dimensions, shape of enclosure and electrical ratings as indicated in Electrical Ratings.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

This product consists of a PTC heating element and fan. The heater is for use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

USR indicates product complies with the Standard for Electric Heating Appliances UL 499, **13th Ed (Last revision March 31, 2006)**.

CNR indicates product complies with Canadian Standard CSA 22.2 No. 88-**1958 (Reaffirmed 2004)**, Industrial Heating Equipment.

CONDITIONS OF ACCEPTABILITY:

Some of the features which should be considered in determining the acceptability of this heater in the specific applications are indicated below:

1. The maximum surface temperature was 71°C in an open air ambient of 25°C. A temperature test should be considered if mounted near heat producing components in the end use. The following temperature limits apply to the plastic components employed:

Top housing	75°C
Bottom Housing	65°C
Exhaust Grill	200°C

2. The housing provided on this heater has not been evaluated as an enclosure. A suitable enclosure shall be provided in the end-product.
3. Temperature test shall be conducted in the end product, the temperature of Exhaust Grill and Element Frame shall not exceed 200°C.