

**VARMA** **TEC**<sup>®</sup>  
special heating equipment

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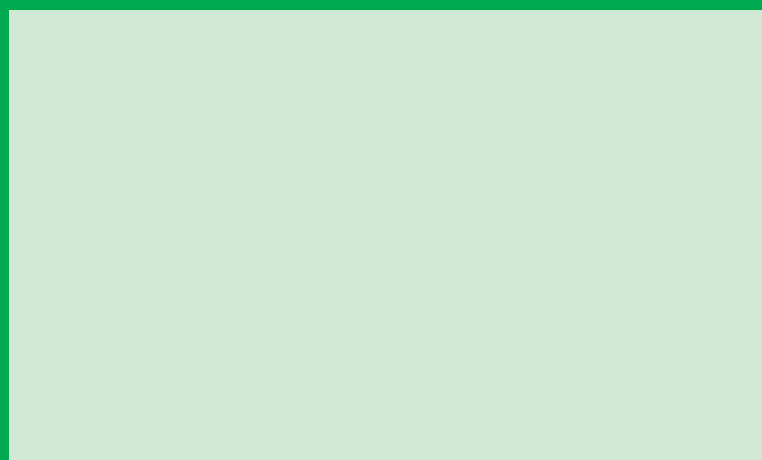
HEAD OFFICE AND FACTORY  
AT TRIBIANO (MILAN, ITALY)



FACTORY AT MOMBRETTO  
DI MEDIGLIA (MILAN, ITALY)



HEAD OFFICE OF STAR PROGETTI  
FRANCE AT CUISERY (FRANCE)



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**VARMA** **TEC**<sup>®</sup>  
special heating equipment

INTERNATIONAL LEADER  
MANUFACTURER OF INFRARED HEATING EQUIPMENT



INSTANT HEAT ONLY  
WHERE IT IS NECESSARY  
AT LOW COST



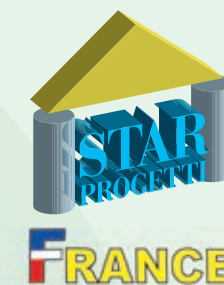
ED. 09/2018







# STAR PROGETTI GROUP



## INFRARED PRODUCTION LINES



**HELIOSA<sup>®</sup>**  
Hi-design  
... STAR PROGETTI

**VARMA<sup>®</sup> TEC**  
special heating equipment



### STAR PROGETTI CERTIFIED COMPANY

Company with Quality management system  
certified ISO 9001:2015



### STAR PROGETTI GUARANTEES SAFETY, QUALITY, SERVICE AND DESIGNING

Star Progetti considered the safety for the installators, distributors and  
end-users as primary.

The seals of quality guarantee the product has undergone all the quality  
trials and tests to verify the actual safety and reliability.

The Certifying Bodies carry out the supervision during the phases of production and  
issuance in the market.





# DESIGNING - MANUFACTURING - SOLVING

## IN THIS WAY **VARMA TEC®** HAS BECOME **AN INTERNATIONAL LEADER** FOR THE SUPPLY OF ELECTRIC INFRARED-RAY HEATERS

STAR PROGETTI and VARMA TEC® have devoted themselves to the research on the utilization of infrared rays as heat source in the civil, military and industrial fields. During the last few years, thanks to the progress of research and technology applied to their equipment, they have attained an incomparable quality and reliability, also acknowledged on the worldwide market.

The unique characteristics of VARMA TEC® infrared IRK heaters produced at present make them the most efficient and powerful heaters on the market. The production is diversified in over 30 models, specifically studied for the various applications requested on the market, namely in the sectors of:

- ZONAL HEATING for hospitality and communities, civil, industrial, public places
- INDUSTRIAL PROCESSING, solving many production problems in industry and handicraft
- AGRICULTURE, in different agricultural activities
- ZOOTECHNY, in breeding, heating and looking after the animals
- PHOTOVOLTAIC, as complement to alternative energy sources installations for the various uses.

For the above considered applications, research and production have been mainly concentrated in energy saving, eco-friendly, maximum safety and great money saving solutions for the end-user. VARMA TEC® heaters presently offer the user the best result of performance, operational cost savings and safe utilization.



FINAL TESTING AND SAFETY TEST REPORT STATION



ONE OF THE VARMA TEC® PRODUCTION LINES



SHIPPING AREA



MEETING HALL



STORING AREA OF VARMA TEC® WAREHOUSE



FRENCH BRANCH AT CUISERY, FRANCE



SAFETY TEST REPORT, ATTACHED TO EVERY HEATER

## SAFETY AND QUALITY CONTROL

All VARMA TEC® heaters, during their production, are checked on a chain line and subsequently subject to the following two final tests:

1. electronic safety test by a special specific equipment issuing a checking report and final safety test report
2. test before packing to check the contents and the relevant accessories



FACTORY AND EXPORT DEPARTMENT AT MOMBRETTO DI MEDIGLIA (MILAN), ITALY



HEAD OFFICE AND FACTORY AT TRIBIANO (MILAN), ITALY



THE IDEAL SOLUTION IN A WIDE RANGE OF SITUATIONS

**VARMA TEC®**, INSTANT HEAT ONLY WHERE  
IT IS NEEDED AT THE FLICK OF A SWITCH

With VARMA INFRARED IRK heaters, you can direct heat only where it is needed, avoiding wasteful dissipation. The warm infrared rays of VARMA INFRARED IRK do not heat the air but cut through it rapidly, heating just the desired objects and areas: like the sun. The immediacy of the heat eliminates pre-heating costs, offering cost savings to the user.

## VARMA TEC®, BENEFITS ONLY

You can choose the most suitable models among those within the range, in accordance with your heat needs and your style.

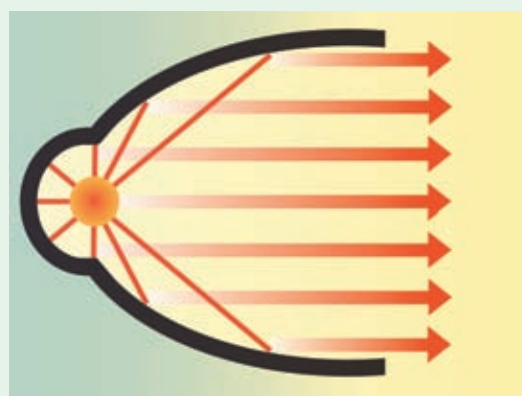
- Heat just in a few seconds: Immediate
- Uniform, localised, zonal heating: only where it is necessary!
- No warming up required
- Directional heat, like light
- Clean system, neither combustion nor odours
- Heat unaffected by wind/air flows
- Heat not raising dust
- Energy savings up to 60% compared to traditional heaters, because of its zonal heating
- Very cost-effective: consumptions account for just 0,16 Euro per kW/h approx.





## WITH VARMA TEC®, ELECTRIC INFRARED HEATING BECOMES MORE POWERFUL...

VARMA TEC® heaters optimize the refraction of short-wave infrared rays by means of their parabolic reflectors, which always play a basic role in radiation in general. In our heaters, more than 60% of the heat is generated by the reflector, whereas about 40% by the emitting bulb. The reason of that is the thermal radiation follows the optical criteria for both reflection and refraction aspects. VARMA TEC® has designed and made a full range of special reflectors optimizing the performance of the infrared rays, using different parabolic curves in accordance with the fields of application. Matter-of-factly, VARMA TEC® reflector technology comes from an accurate research and experimenting, both theoretical and practical; all the reflectors have been designed in accordance with the foreseen application and the market needs. Such long experience in the study of refraction has led to the development of symmetrical and very performing reflectors, with resulting energy saving.



Protection Index  
IPX5 = Protected  
against water jets  
(Star Progetti Patent)

## ...AND CHAPER

The most remarkable managing advantage in using VARMA TEC® infrared heaters consists in the possibility of splitting up the heating system in different zones, even small ones, by adopting diversified operating temperatures, which is impossible with traditional systems. With VARMA TEC® heaters it is possible to heat up one single work place or one single area with an exclusive immediate efficiency.

### VARMA TEC®, HIGH TECHNOLOGY AND INNOVATION DIRECTED TO ENERGY SAVING, ENVIRONMENT AND SAFETY



**TRADITIONAL HOT AIR SYSTEM**  
Hot air rises, forming layers and then dissipates through openings; in this way people do not get warmed up and costs of heating rise.



**VARMA TEC® INFRARED SYSTEM**  
Heat is directed and maintained without dissipating, only in the desired zones, like light. In this way we get sun-like heat quality and a comfortable environment without noise nor dust, and as long as you like, with a resulting great energy saving.

## VARMA TEC® ARE IDEAL FOR ZONAL HEATING, HEAT ALL YOUR FAVORITE PLACES, FOR AS LONG AS YOU LIKE

- Houses, basements, patios
- Inside/outside industrial and handicraft work areas
- Changing rooms, sports and fitness areas
- Terraces, open outdoor areas
- Winter gardens, verandas
- Under parasols, outdoor café areas and gazebos
- Restaurants, hotels and pubs
- Historical buildings, castles, ancient villas, farmhouses
- Wellness centres, swimming pools
- Churches, vestries, meeting rooms, offices
- Showrooms, exhibition halls, boutiques, shops, markets
- Huts, chalets and to complement inadequate heating
- First aid areas, hospitals, garages
- Golf courses fields, campsites
- Ski resorts
- Industrial processing

WITH VARMA TEC® IRK  
+ HEAT  
+ ENERGY SAVING  
- ECOLOGY  
- COSTS  
+ HEATED AREA  
+ SAFETY  
- APPLIANCES TO INSTALL  
+ ECOLOGY  
NO CO2





**SPARE BULB**  
CODE SP990510 (1,5 kW)  
CODE SP990504 (2,0 kW)

## VARMA TANDEM

1,5/2,0 kW IPX5 (Code 550/15 – 550/20)

- Revolving model for wall installation and at ceiling
- Die-cast aluminium body
- Bicolour: black and silver
- IPX5 Protection rating – WATERPROOF protected against rain and water jets (Star Progetti Patent)
- Power 1,5/2,0 kW
- Heated area roughly 15-20 sq.m.
- Accessories provided:
  - wall and ceiling fixing bracket
  - 1.5 m. electric cable
  - coupling bracket
- Designed for: work places with risk of water sprays, factory building areas, laboratories, verandas, gazebos
- Recommended installation height: max. 2,50-2,80 m
- Dimensions: 46x19x8,5 cm
- OPTIONAL: Tripod 2 stand, Giraffa stand, Scala stand, bracket for ceiling installation cod.109



*Varma Tandem has been designed to be used as a single device or joined with another one vertically or horizontally through the accessories included in the box.*



TEST AT 8°C ROOM TEMPERATURE\*  
\* see page 36

H height 2,5 m  
L width 4 m  
P depth 3,8 m

- Revolving model for wall and/or ceiling
- Bicolour: black and silver
- 1,5/2,0 kW
- Heated area: roughly 15-20 sq.m.
- Protection rating: IPX5

REGISTERED MODEL



REGISTERED MODEL



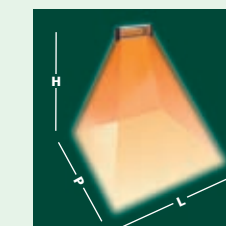
**NEW MODEL**  
**2000 WATT**  
**IPX5 WATERPROOF**

**SPARE BULB**  
CODE SP990504 (2,0 kW)

## VARMA 301

2,0 kW IPX5 (code V301/20X5)

- Revolving model for wall installation or on mobile Scala or Tripod 2 stand in steel
- Colour: bicolour black and white
- Power 2,0 kW
- IPX5 Protection rating – WATERPROOF protected against rain and water jets (Star Progetti Patent)
- Accessories provided:
  - 1.5 m. electric cable
  - protection grid in stainless steel
  - bracket for wall installation and on mobile stand
- Designed for: working areas, laboratories, verandas, gazebos, gymnasium, shops
- Heated area roughly 13-15 sq.m.
- Recommended installation height: max. 2,30-2,50 m
- Dimensions: 47,5x15,5x14 cm

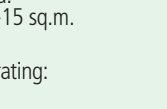
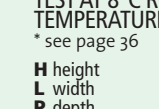


TEST AT 8°C ROOM TEMPERATURE\*  
\* see page 36

H height 2,5 m  
L width 4 m  
P depth 3,5 m

- Revolving model for wall installation
- Colour: bicolour black and white
- 2,0 kW
- Heated area: roughly 13-15 sq.m.
- Protection rating: IPX5

REGISTERED MODEL







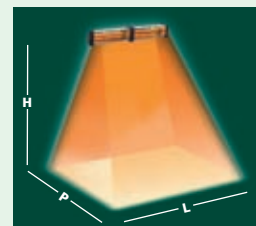
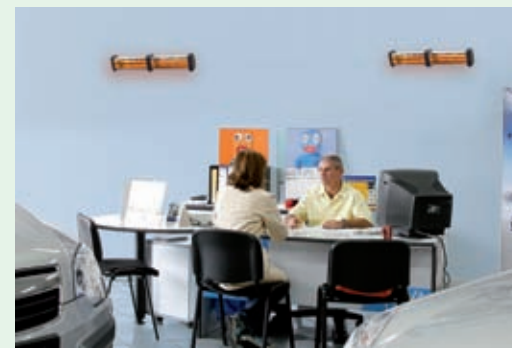
**NEW MODEL  
IPX5 WATERPROOF**

**SPARE BULB  
CODE SP990510 (1,5 kW)**

## VARMA 302

3000 WATT IPX5 (code V302/30X5)

- Revolving model for wall installation
- Colour: bicolour black and white
- For inside areas and outside areas
- Power 3,0 kW (2x1,5 kW)
- IPX5 Protection rating – WATERPROOF protected against rain and water jets (Star Progetti Patent)
- Accessories provided:
  - no.2 1.5 m. electric cable
  - protection grid in stainless steel
  - bracket for wall installation
- Designed for: verandas, patios, shops, hotels, cafés and showrooms
- Recommended installation height: max. 2,30-2,50 m
- Heated area roughly 20-25 sq.m.
- Dimensions: 89x15x15,5 cm



TEST AT 8°C ROOM TEMPERATURE\*  
\* see page 36

**H** height 2,5 m  
**L** width 5 m  
**P** depth 4 m

- Revolving model for wall installation
- Colour: bicolour black and white
- 3 kW (2 x 1,5 kW)
- Heated area: roughly 20-25 sq.m.
- Protection rating: IPX5

**REGISTERED  
MODEL**



**CE**

**CE**

**EAC**



**REGISTERED  
MODEL**



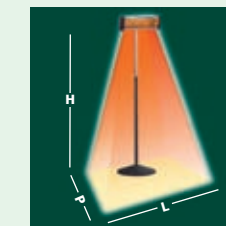
**EQUIPPED WITH R7S  
CONNECTION BULB**

**SPARE BULB  
CODE SP990515 (1,5 kW)**

## VARMA 303 MOBILE

1,5 kW IP20 (code V303MOB)

- Model with 5 m power cable for special installations
- Colour: bicolour black and white
- Power 1,5 kW – R7S CONNECTION BULB
- IP20 Protection rating for inside areas
- Accessories provided:
  - mobile stand
  - 5 m electric cable
  - schuko plug
  - switch
  - protection grid in stainless steel
- Designed for: premises, offices, museums, verandas, shops, hotels, cafés and showrooms
- Heated area roughly 15-20 sq.m.
- Dimensions: 47,5x15,5x14 cm



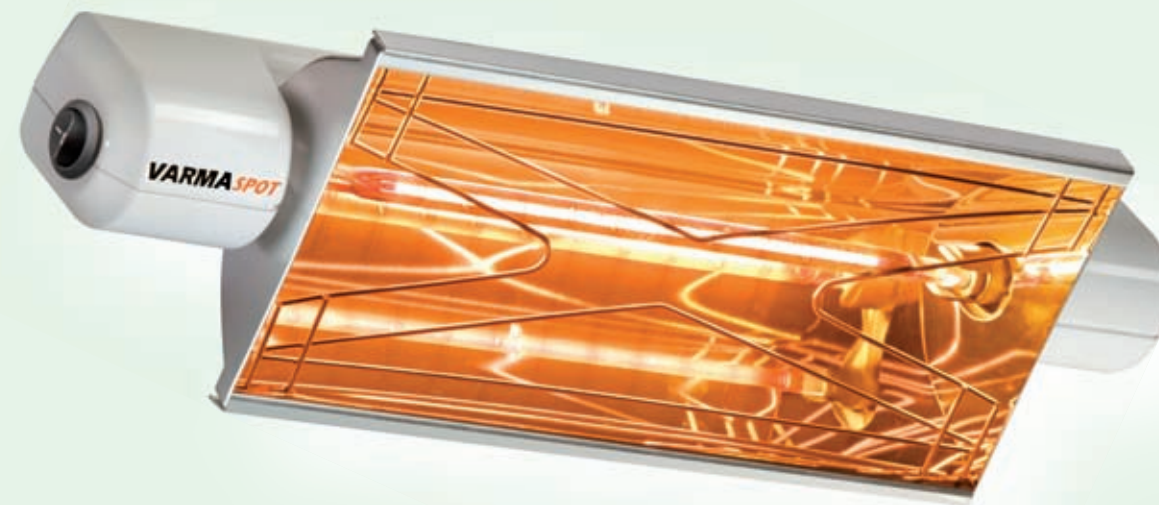
TEST AT 8°C ROOM TEMPERATURE\*  
\* see page 36

**H** height 2 m  
**L** width 4 m  
**P** depth 3 m

- Revolving model on mobile telescopic stand
- Colour: bicolour black and white
- 1,5 kW
- Heated area: roughly 15-20 sq.m.
- Protection rating: IP20







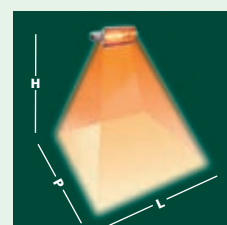
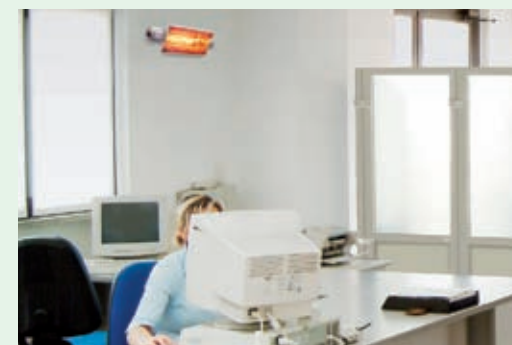
SPARE BULB  
CODE EB1300 (1,3 kW)

EQUIPPED WITH R7S  
CONNECTION BULB

## VARMA SPOT

1,3 kW IP20 (code SPOT1301P)

- Revolving model for wall installation
- Colour: white Ral 9016
- IP20 Protection rating for inside areas
- Power 1,3 kW – R7S CONNECTION BULB
- Heated area roughly 12-15 sq.m.
- Accessories provided:
  - 3 m electric cable
  - on/off switch
  - schuko plug
  - protection grid
  - bracket for wall installation
- Recommended installation height: max. 1,90-2,20 m
- Designed for: dwellings, offices, taverns, dressing rooms, beauty cabins
- Dimensions: 41x14x12 cm



TEST AT 15°C INDOOR  
TEMPERATURE\*  
\* see page 36

H height 2 m  
L width 4 m  
P depth 3,5 m



Revolving model  
for wall installation



Colour:  
white Ral 9016



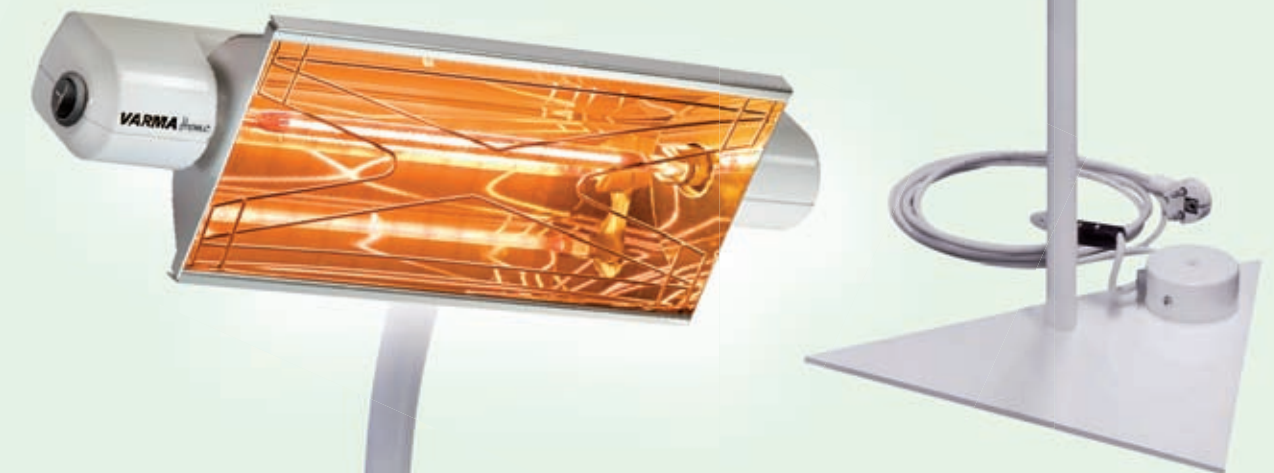
1,3 kW



Heated area:  
roughly 12-15 sq.m.



Protection rating:  
IP20

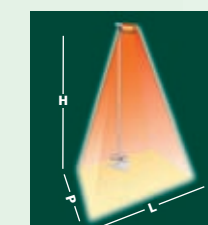


SPARE BULB  
CODE SP990520 (1,3 kW)

## VARMA HOME

1,3 kW IP23 (code SPOT1302)

- Model on mobile stand
- Die-cast aluminium body, wide and powerful parabolic reflector
- Colour: white Ral 9016
- Power: 1,3 kW
- Heated area roughly 12-15 sq.m.
- IP23 Protection index: it can stand rain
- Accessories provided:
  - 5 m. electric cable
  - switch on the base
  - tilting device, anti-falling
  - chromium-plated steel grid
- Designed for: homes, offices, taverns, home holidays, terraces, dressing rooms
- Packing: merchandising
- Height: 2,07 m
- Dimensions: 41x14x12 cm



TEST AT 15°C INDOOR  
TEMPERATURE\*  
\* see page 36

H height 2 m  
L width 4 m  
P depth 3,5 m



Revolving model  
on mobile stand



Colour:  
white Ral 9016



1,3 kW

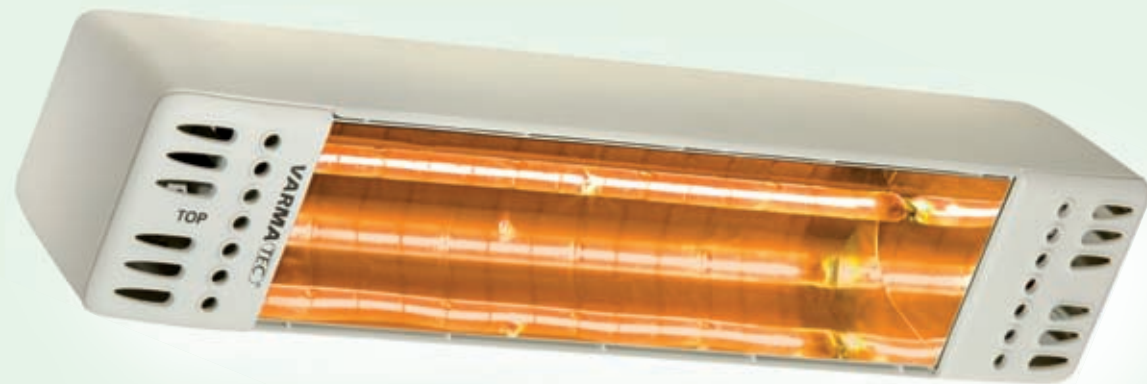


Heated area:  
roughly 12-15 sq.m.



Protection rating:  
IP23



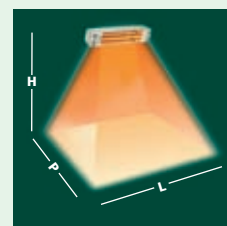
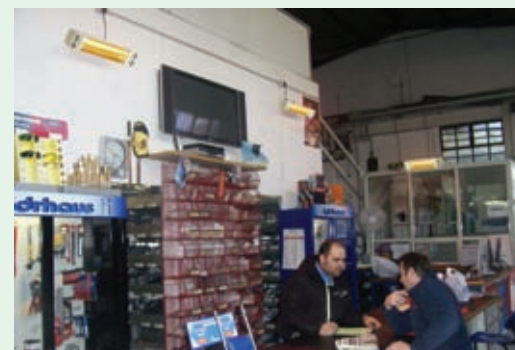


SPARE BULB  
CODE SP990510 (1,5 kW)

## VARMA TOP

1,5 kW IPX5 (code V110/15P)

- Revolving model, suitable for installation under parasols or on wall
- Die-cast aluminium body
- Available colours: white Ral 9016
- IPX5 Protection rating – Waterproof, protected against rain and water sprays (Star Progetti Patent)
- Power: 1,5 kW
- Heated area roughly 10-12 sq.m.
- Accessories provided:
  - wall and parasol fixing bracket
  - 1,5 m electric cable
  - protection grid
- Installation height: 1,90-2,20 m
- Recommended installation: under parasols, gazebos, patios, verandas, bathrooms, dressing rooms, outdoor areas
- Dimensions of appliance: 43x11x8 cm



TEST AT 10°C ROOM  
TEMPERATURE\*  
\* see page 36

H height 2 m  
L width 4 m  
P depth 3 m

Revolving model for wall installation or under parasols

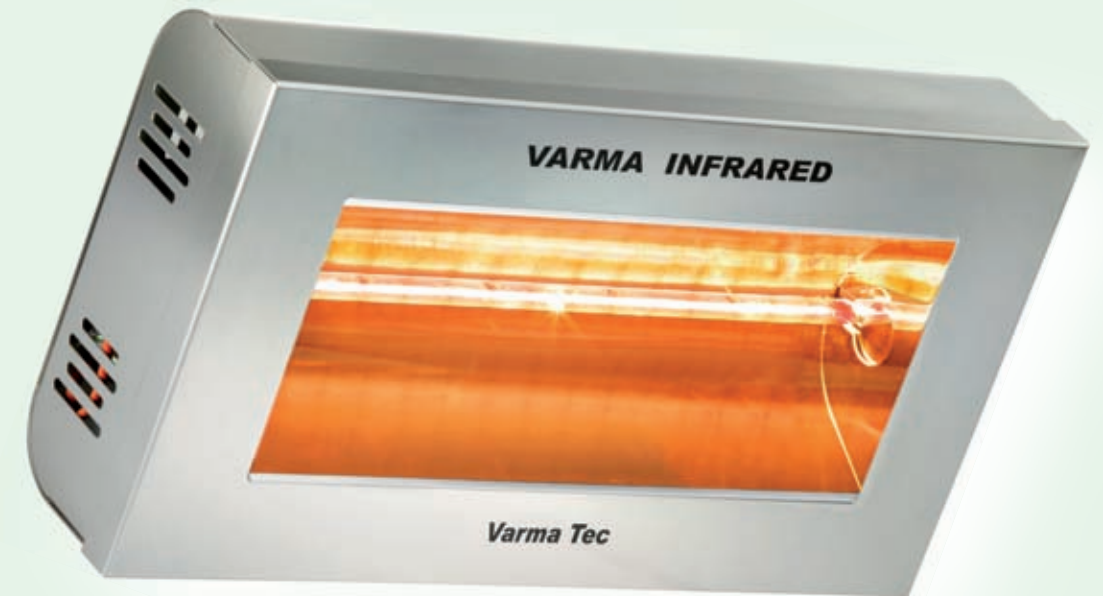
Available colours: Ral 9016 white

1,5 kW

Heated area: roughly 10-12 sq.m.

Protection rating: IPX5

REGISTERED  
MODEL

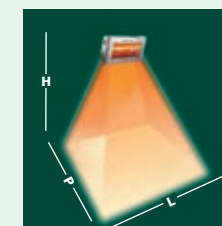


SPARE BULB  
CODE SP990510 (1,5 kW)

## VARMA 400 IN BRILLIANT STAINLESS STEEL

1,5 kW IPX5 (code V400/15X5SS)

- Revolving model for wall installation and at ceiling
- Colour: natural bright stainless steel AISI 304
- For inside areas and outside areas
- Power 1,5 kW
- IPX5 Protection rating – Waterproof protected against rain and water jets (Star Progetti Patent)
- Accessories provided:
  - 3 m electric cable
  - schuko plug
  - wall bracket
- Heated area roughly 15-20 sq.m.
- Recommended Installation height: max. 2,50-2,80 m
- Designed for: work places with risk of water sprays, factory building areas, laboratories, verandas, gazebos, seaside areas
- Dimensions: 40x22x11 cm
- OPTIONAL: Tripod2 stand, Giraffa stand and bracket for installation on ceiling cod109



TEST AT 8°C ROOM  
TEMPERATURE\*  
\* see page 36

H height 2,5 m  
L width 4 m  
P depth 3,8 m

Revolving model for wall and/or ceiling

Available colour: natural bright stainless steel AISI 304

1,5 kW

Heated area: roughly 15-20 sq.m.

Protection rating: IPX5

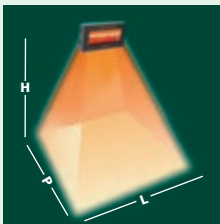




SPARE BULB  
CODE SP990510 (1,5 kW)  
CODE SP990504 (2,0 kW)

**VARMA 400 FMC** Model for mobile stand  
1,5/2,0 kW IPX5  
(code V400/15X5FMC – V400/20X5FMC)

- Revolving model for wall installation and on mobile stand
  - For inside areas and outside areas
  - Power 1,5 kW – 2,0 kW
  - IPX5 Protection rating – Waterproof protected against rain and water jets (Star Progetti Patent)
  - Accessories provided:
    - 5 m electric cable
    - schuko plug
    - wall bracket
  - Colours: micaceous iron
  - Heated area roughly 15-20 sq.m.
  - Recommended Installation height: max. 2,50-2,80 m
  - Designed for: work places, factory building areas, churches, laboratories, market stores, stretched flexible structures, sports areas
  - Dimensions: 40x22x11 cm
- OPTIONAL: Tripod2 stand, Giraffa stand, Scala Stand



TEST AT 8°C ROOM TEMPERATURE\*  
\* see page 36

H height 2,5 m  
L width 4 m  
P depth 3,8 m



Revolving model for wall or on mobile stand



Available colour: micaceous iron



1,5 kW – 2,0 kW



Heated area: roughly 15-20 sq.m.



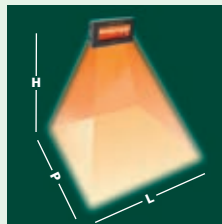
Protection rating: IPX5



SPARE BULB  
CODE SP990510 (1,5 kW)  
CODE SP990504 (2,0 kW)

**VARMA 400**  
1,5/2,0 kW IPX5 (code V400/15X5FM – V400/20X5FM)

- Revolving model for wall installation and at ceiling
  - For inside areas and outside areas
  - Power 1,5 kW – 2,0 kW
  - IPX5 Protection rating – Waterproof protected against rain and water jets (Star Progetti Patent)
  - Accessories provided:
    - 1,5 m electric cable
    - wall bracket
  - Colours: micaceous iron, cream white Ral 1013
  - Heated area roughly 15-20 sq.m
  - Recommended Installation height: max. 2,50-2,80 m
  - Designed for: work places, factory building areas, churches, laboratories, market stores, stretched flexible structures, sports areas
  - Dimensions: 40x22x11 cm
- OPTIONAL: Tripod2 stand, Giraffa stand and Scala stand, bracket for installation on ceiling code 109



TEST AT 8°C ROOM TEMPERATURE\*  
\* see page 36

H height 2,5 m  
L width 4 m  
P depth 3,8 m



Revolving model for wall and/or ceiling



Available colour: cream white, micaceous iron



1,5 kW – 2,0 kW

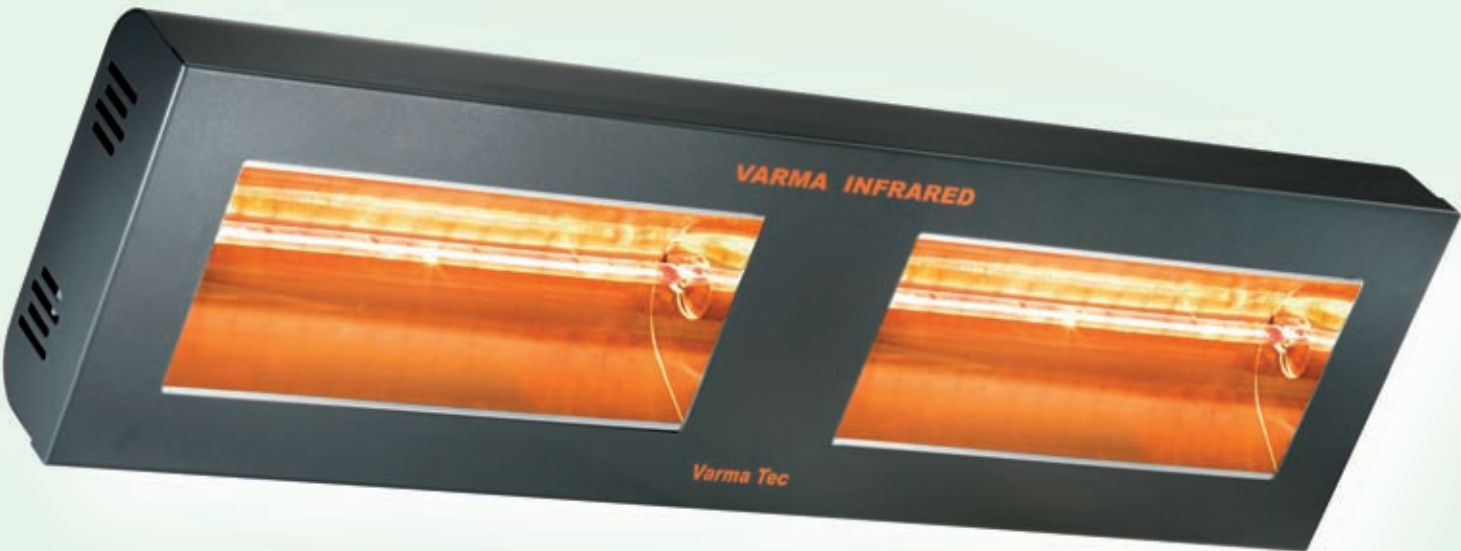


Heated area: roughly 15-20 sq.m



Protection rating: IPX5





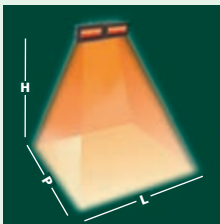
SPARE BULB  
CODE SP990510 (1,5 kW)  
CODE SP990504 (2,0 kW)

VARMA 400/2

3,0/4,0 kW IPX5 (code V400/2-30X5 – V400/2-40X5)

- Revolving model for wall installation and at ceiling
- For inside areas and outside areas
- Power 3,0 kW – 4,0 kW
- IPX5 Protection rating – Waterproof protected against rain and water jets (Star Progetti Patent)
- Accessories provided:
  - separate bulb start
  - no. 2 1.5 m electric cable
  - wall bracket
- Colours: micaceous iron, cream white Ral 1013
- Heated area roughly 28-30 sq.m.
- Recommended Installation height: max. 3,00-3,50 m
- Designed for: work places, factory building areas, churches, laboratories, market stores, stretched flexible structures, sports areas
- Dimensions: 80x22x11 cm

OPTIONALS: bracket for ceiling installation code 111



TEST AT 8°C ROOM TEMPERATURE\*  
\* see page 36

H height 3,5 m  
L width 6 m  
P depth 5 m



Revolving model for wall and/or ceiling



Available colour:  
cream white Ral 1013  
micaceous iron



3,0 kW – 4,0 kW



Heated area:  
roughly 28-30 sq.m.



Protection rating:  
IPX5



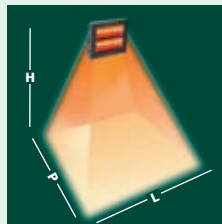
SPARE BULB  
COD. SP990510 (1,5 kW)  
COD. SP990504 (2,0 kW)

VARMA 400/2v

3,0 /4,0 kW IPX5 (code V400/2V-30X5 – V400/2V-40X5)

- Revolving model for wall installation and at ceiling
- For inside areas and outside areas
- Power 3,0 kW – 4,0 kW
- IPX5 Protection rating – Waterproof protected against rain and water jets (Star Progetti Patent)
- Accessories provided:
  - no.2 1.5 m electric cable
  - wall bracket
  - separate bulb start
- Colours: micaceous iron, cream white Ral 1013
- Heated area roughly 28-30 sq.m.
- Recommended Installation height: max. 3,00-3,50 m
- Designed for: work places, factory building areas, churches, laboratories, market stores, stretched flexible structures, sports areas
- Dimensions: 40x35x11 cm

OPTIONALS: bracket for ceiling installation code 110



TEST AT 8°C ROOM TEMPERATURE\*  
\* see page 36

H height 3,5 m  
L width 5 m  
P depth 5,5 m



Revolving model for wall and/or ceiling



Available colour:  
cream white Ral 1013,  
micaceous iron



3,0 kW – 4,0 kW



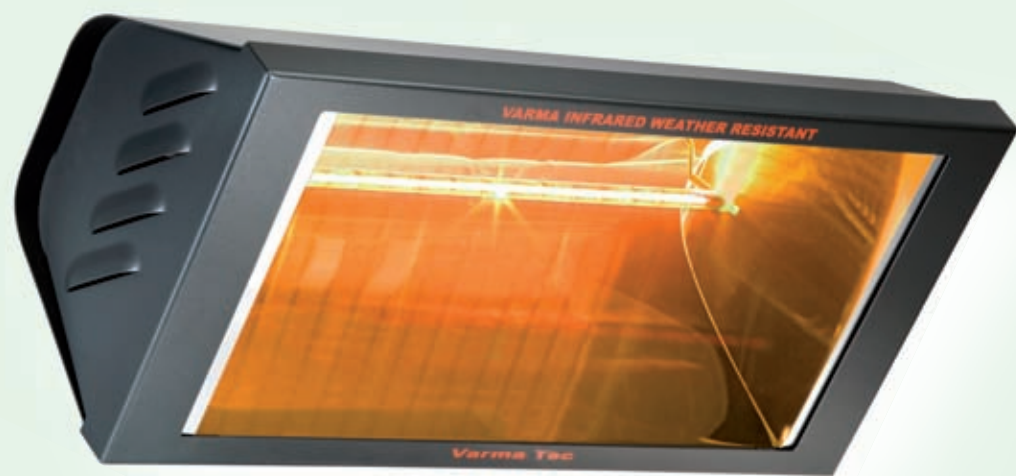
Heated area:  
roughly 28-30 sq.m.



Protection rating:  
IPX5





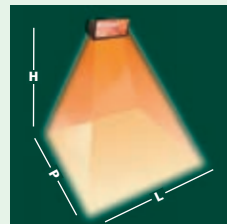


SPARE BULB  
CODE SP990504 (2,0 kW)

**VARMA WR65/20**

2,0 kW IPX5 (code WR65/20FM - WR65/20B)

- Revolving model for wall installation – WITHOUT GLASS
- For inside and outside areas
- Power 2,0 kW
- IPX5 Protection rating – Waterproof protected against rain and water jets (Star Progetti Patent)
- Accessories provided:
  - 3 m electric cable
  - schuko plug
  - bracket for wall installation
- Colours: micaceous iron, cream white Ral 1013
- Heated area roughly 15-20 sq.m.
- Recommended installation height: max. 2,20-2,50 m
- Designed for: work places at risk of water jets, factory buildings, verandas, gazebos, outdoor areas of hotels and cafés
- Dimensions: 50x23x16 cm



TEST AT 8°C ROOM  
TEMPERATURE\*  
\* see page 36

H height 2,5 m  
L width 4 m  
P depth 4 m



Revolving model for  
wall installation,  
without glass



Available colours:  
micaceous iron,  
cream white Ral 1013



2,0 kW



Heated area:  
roughly 15-20 sq.m.



Protection rating:  
IPX5



MODEL IN BRIGHT STAINLESS STEEL

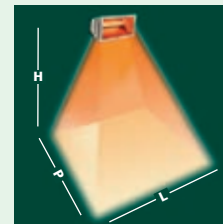
SPARE BULB  
CODE SP990502 (2,0 kW)

**VARMA WR2000/20** (code WR2000/20)

**VARMA WR2000/20SS INOX** (code WR2000/20SS)

2,0 kW IP23

- Revolving model for wall installation – WITH SAFETY GLASS
- For inside and outside areas
- Power 2,0 kW
- IP23 Protection rating - Waterproof, protected against rain
- Accessories provided:
  - safety glass standing high temperatures
  - 3 m electric cable
  - schuko plug
  - bracket for wall installation
- Colours: micaceous iron, cream white Ral 1013, Seaside model in bright stainless steel, AISI 304
- Heated area roughly 15-20 sq.m.
- Recommended installation height: max. 2,20-2,50 m
- Designed for: work places, inside and outside, at risk of rain and dust, outdoor areas at risk of rain, seaside areas (seaside model in stainless steel)
- Dimensions: 50x23x16 cm



TEST AT 8°C ROOM  
TEMPERATURE\*  
\* see page 36

H height 2,5 m  
L width 4 m  
P depth 4 m



Revolving model for  
wall installation, with glass



Available colours: micaceous  
iron, cream white Ral 1013,  
Stainless steel AISI 304



2,0 kW



Heated area:  
roughly 15-20 sq.m.



Protection rating: IP23





SPARE BULB  
CODE SP990501 (1,5 kW)

## VARMA FIRE

3,0 kW IP20 (code V400F)

- Revolving model with floor stand
- For inside areas
- Power 3,0 kW (1,5 kWx2)
- IP20 Protection rating – for inside areas
- Accessories provided:
  - separate bulb start
  - 3 m electric cable
  - switches
  - schuko plug
  - protection grids
- Colour: micaceous iron
- Heated area roughly 20 sq.m.
- Designed for: work places, laboratories, show room, shops
- Dimensions: 47x113x51 cm



TEST AT 8°C ROOM  
TEMPERATURE\*  
\* see page 36

Heated area 20 m<sup>2</sup>



Revolving model  
on floor stand



Available colour:  
micaceous iron



3,0 kW  
(1,5 kWx2)



Heated area:  
roughly 20 sq.m.



Protection rating:  
IP20



SPARE BULB  
CODE SP990510 (1,5 kW)

## VARMA FIRE 2

1,5 kW IPX5 (cod.V400F2)

- Revolving model with floor stand
- For inside and outside areas
- Power 1,5 kW
- IPX5 Protection rating, Waterproof protected against rain and water jets (Star Progetti Patent)
- Accessories provided:
  - 3 m electric cable
  - schuko plug
  - protection grids
- Colour: micaceous iron
- Heated area roughly 12-15 sq.m.
- Designed for: work places, laboratories, show room, shops, outdoor activities, drying
- Dimensions: 51x34x57 cm



TEST AT 8°C ROOM  
TEMPERATURE\*  
\* see page 36

Heated area 12/15 m<sup>2</sup>



Revolving model  
on floor stand



Available colour:  
micaceous iron



1,5 kW



Heated area:  
roughly 12-15 sq.m.



Protection rating:  
IPX5





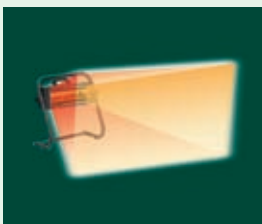


SPARE BULB  
CODE SP990510 (1,5 kW)

**VARMA FIRE 3**

1,5 kW IPX5 (codeV400F3)

- Revolving model with floor stand
- For inside areas and outside areas
- Power 1,5 kW
- IPX5 Protection rating – Waterproof protected against rain and water jets (Star Progetti Patent)
- Accessories provided:
  - 3 m electric cable
  - schuko plug
  - protection grids
- Colour: micaceous iron
- Heated area roughly 10-11 sq.m.
- Designed for: indoor work places, laboratories, drying
- Dimensions: 51x57x34 cm



TEST AT 8°C ROOM  
TEMPERATURE\*

\* see pagina 36

Heated area 10/11 m²



Revolving model  
on floor stand



Available colour:  
micaceous iron



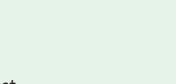
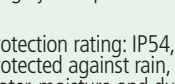
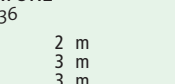
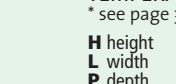
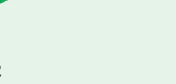
1,5 kW



Heated area:  
roughly 10-11 sq.m.



Protection rating:  
IPX5



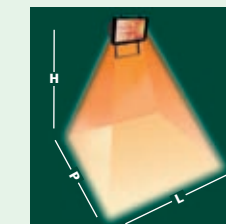
SPARE BULB  
CODE EB1300 (1,3 kW)

EQUIPPED WITH R7S  
CONNECTION BULB

**VARMA ECOWRN/7 – For wall installation**

1,3 kW IP54 (code ECOWRN/7)

- Revolving model for wall installation – WITH GLASS
- For inside and outside areas
- Power 1,3 kW
- IP54 Protection rating – Waterproof, protected against rain, water sprays, moisture and dust
- Accessories provided:
  - safety glass standing high temperatures
  - bracket for wall installation
- Colour: black
- Heated area roughly 10 sq.m.
- Recommended installation height: max. 1,90-2,10 m
- Designed for: under parasols, gazebos, patios, verandas, outdoor areas, outdoor working areas, dusty areas
- Dimensions: 35x24x18 cm



TEST AT 10°C ROOM  
TEMPERATURE\*

\* see page 36

H height 2 m  
L width 3 m  
P depth 3 m



Revolving  
waterproof model  
for wall installation



Available colours:  
black



1,3 kW/R7S



Heated area:  
roughly 10 sq.m.



Protection rating: IP54,  
protected against rain,  
water, moisture and dust





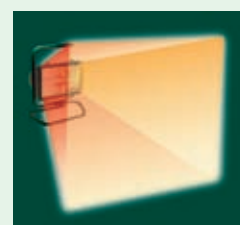
SPARE BULB  
CODE EB1300 (1,3 kW)

## VARMA ECOWRG/7 – On floor

1,3 kW IP54 (code ECOWRG/7)

EQUIPPED WITH R7S  
CONNECTION BULB

- Waterproof model with glass on mobile floor stand
- For inside and outside areas
- Power 1,3 kW
- IP54 Protection rating – Waterproof, protected against rain, water sprays, moisture and dust
- Accessories provided:
  - mobile floor stand
  - safety glass standing high temperatures
  - protection grid
  - 1,3 m electric cable
  - schuko plug
- Colour: black
- Heated area roughly 10 sq.m.
- Installation: on floor stand
- Designed for: workshops and building yards, indoor and outdoor working areas
- Dimensions: 35x32x26 cm



TEST AT 8°C ROOM  
TEMPERATURE\*

\* see page 36

Heated area 10 m<sup>2</sup>

Waterproof revolving  
model on floor stand

Available colour:  
black

1,3 kW /R7S

Heated area:  
roughly 10 sq.m.

Protection rating: IP54,  
protected against rain,  
water, moisture and dust



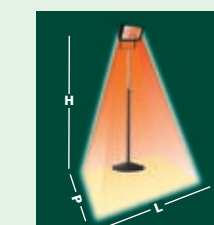
SPARE BULB  
CODE EB1300 (1,3 kW)

EQUIPPED WITH R7S  
CONNECTION BULB

## VARMA ECOWRT/7 – On mobile stand

1,3 kW IP54 (code ECOWRT/7)

- Waterproof model with glass on mobile stand with round base
- For inside and outside areas
- Power 1,3 kW
- IP54 Protection rating – Waterproof, protected against rain, water sprays, moisture and dust
- Accessories provided:
  - safety glass standing high temperatures
  - telescopic stand, adjustable in height from 107 cm to 200 cm, equipped with round base
  - 3 m electric cable
  - schuko plug
- Colour: black
- Heated area roughly 10 sq.m.
- Installation on mobile stand
- Designed for: workshops and building yards, indoor and outdoor working areas
- Dimensions: 35x24x18 cm



TEST AT 10°C ROOM  
TEMPERATURE\*

\* see page 36

H height 2 m  
L width 3 m  
P depth 2,5 m

Revolving waterproof  
model on mobile stand

Available colour:  
black

1,3 kW/R7S

Heated area:  
roughly 10 sq.m.

Protection rating: IP54,  
protected against rain,  
water, moisture and dust





SPARE BULB  
CODE SP990517 (1,5 kW)

## VARMA TOWER

3,0 kW IP20 (code VTOW30FM)

- Equipped with mobile stand and two infrared heaters of Heliosa 66 model
- For inside areas
- Power 3,0 kW (2x1,5 kW)
- IP20 Protection rating for indoors
- Colour of heaters and stand: micaceous iron
- Accessories provided:
  - 6 m electric cable
  - schuko plug
  - 2 switches for single or double start
  - TILT device against fall and overturn
  - 2 Protection grids
- Heated area roughly 25-30 sq.m.
- Designed for: churches, large rooms, meeting halls, events, castels
- Dimensions: Heaters 51x21x15 cm  
Stand height 250 cm / base 70x82 cm  
Side arm 80 cm



TEST AT 8°C ROOM  
TEMPERATURE\*  
\* see page 36

Heated area 25/30 m²

- Model on floor stand with revolving heaters towards every direction
- Available colour: micaceous iron
- 3,0 kW (2x1,5 kW)
- Heated area: roughly 25-30 sq.m.
- Protection rating: IP20



With a special Infracolor®Amber Light bulb, reducing the light output by 80% and creating a pleasant environment



It is placed either at corners or near walls and its heaters can be directed. It does not take much room. Its heating range is excellent and homogeneous



## TRIPOD 2 STAND

Universal telescopic stand, with a round base and black knobs

- Adjustable Height: from 107 to 200 cm

PACKING  
- POLE 5x105x8 cm  
- BASE 42x42x7 cm  
GROSS WEIGHT 10,8 kg  
STAND 107-200 cm  
NET WEIGHT 10 kg



## DEMOSPOT STAND

Telescopic tripod stand, designed only for the following models:  
- VARMA SPOT  
- TOP 15  
• Adjustable Height: up to 180 cm  
• Ideal for exhibiting spots at sales points

PACKING 9x93,5x9 cm  
NET WEIGHT 1,2 kg



## COLONNA STAND

Structure in aluminium with triangular base  
• Height: 210 cm  
• Colour: micaceous iron (code 202FM) white RAL 9016 (code 202B)  
• Including remote control code 206S/1\*

PACKING 13x232x13 cm  
- POLE 39x39x2,5 cm  
- BASE 10 kg  
GROSS WEIGHT 8 kg  
NET WEIGHT



## GIRAFFA STAND

Mobile stand, bake-painted steel  
• Height: 218 cm  
• Colour: micaceous iron (code GIRAFFA) white RAL 9016 (code GIRAFFAB)  
• Angle of inclination: 15°  
• Ideal for models: V400/15-20 FMC - WR2000/20 WR 65/20 - V400/15-IPX5 VARMA 302 TANDEM 550 single

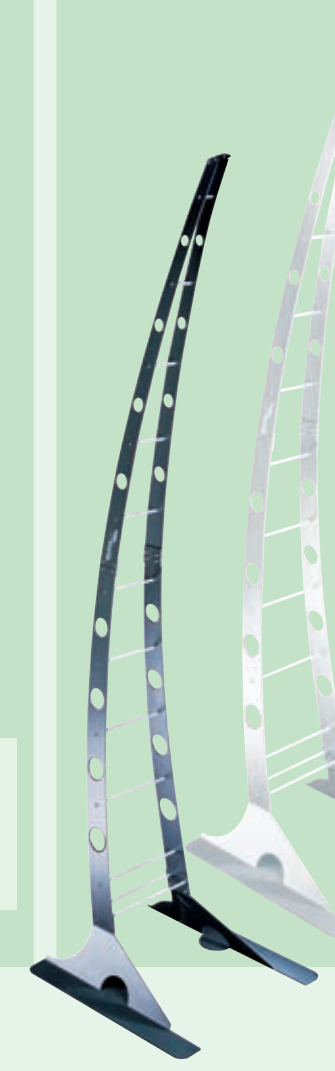
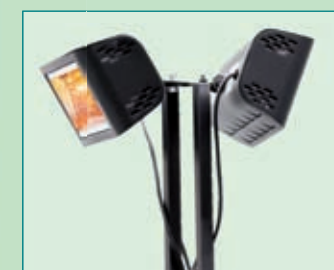
PACKING 112x22x40 cm  
GROSS WEIGHT 16 kg  
STAND 50x23x16 cm  
NET WEIGHT 15 kg



## SCALA STAND

Universal stand, 'Scala' model, with a triangular base, that can be used for any VARMA TEC® heater model.  
• Height: 200 cm  
• Width of Scala stand: 9 cm  
• Colour: micaceous iron (code 201FM) white RAL 9016 (code 201B)  
• Equipped with metal accessory to hook 2 opposite heaters

PACKING 107x44x10 cm  
GROSS WEIGHT 13,6 kg  
STAND 50x38 cm  
NET WEIGHT 12 kg





## POWER REGULATORS

### POWER REGULATORS

Specific to instantly adjust the heat output of VARMA TEC® appliances



#### THE ADVANTAGES

Easy to install, directly in the wall socket or in the electrical board

Temperature maximization

Device for reduction of power consumption

Built-in antiparasite filter EMC electromagnetic compatibility EMC (compulsory according to EC regulations)

Protection against power intermittance

Possibility of connection to a timer, a thermostat, or a presence detector.

#### STAR 1

- Power regulator: from 0 to 2000 Watts – single-phase
- Weight: 0,410 kgs
- For wall socket
- Dimensions: 6x13,5x6 cm
- Code: STAR1



#### STAR 2

- Power regulator: from 0 to 4000 Watts – single-phase
- Weight: 0,870 kgs
- For switchboard
- Dimensions: 10,5x9x12 cm
- Code: STAR2



#### STAR 3

- Power regulator: from 0 to 8000 Watts – single-phase
- Weight: 1,340 kgs
- For switchboard
- Dimensions: 16x9x12 cm
- Code: STAR3



#### STAR 4

- Power regulator: from 0 to 3000 Watts single-phase
- Weight: 1.240 kgs
- For wall socket and switchboard
- Dimensions: 8,5x21x9,5 cm
- Code: STAR4NEW



#### Presence detector for the automatic start of the heater

- Power detected (max): 3,0 kW
- Colour: black
- Dimensions: 15x15x8 cm
- Packaging: in carton of 6 units
- Code: ST13



#### STAR 5

- Power regulator: from 0 to 9000 Watts – three-phase
- Weight: 1.230 kgs
- For switchboard
- Dimensions: 16x9x12 cm
- Code: STAR5



#### WIRELESS POWER REGULATOR

##### STAR 6 - IP54

- Power regulator: from 0 to 6,0 kW
- 100% adjustable
- For wall
- Remote control
- 3 preset channels (areas)
- Waterproof IP54
- Code: STAR6



#### REMOTE CONTROL SWITCH IP45

For inside and outside areas

- Wireless
- Remote control
- 3 preset channels
- Max 3,5 kW
- It operates on 3 areas
- Code: SW3500



To connect to the unit or to the electrical system

#### REMOTE CONTROL SWITCH, AVAILABLE FOR ALL VARMA TEC® MODELS

Remote control switch for more heaters

- Operating distance: 25 m without obstacles
- Detected power (max): 2200 watts per socket
- Remote control included
- 3 preset channels
- Operating on 3 areas
- Triple switching on
- Code: 205S/3



To be connected to the heater socket

## INFRACALOR® LONG LIFE BULB



CODE EB1300 IP23 INFRACALOR® 1,3 kW R7S CONNECTION



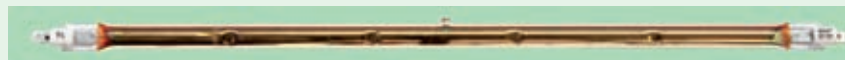
CODE SP990515 IP20 INFRACALOR® 1,5 kW 240V R7S CONNECTION



CODE SP990501 IP20 INFRACALOR® 1,5 kW 240V CONNECTION BY CABLE



CODE SP990502 IP20 INFRACALOR® 2,0 kW 240V CONNECTION BY CABLE



CODE SP990510 IPX5 INFRACALOR® 1,5 kW 240V CONNECTION BY FASTON ELASTOTHERM CAPS



CODE SP990504 IPX5 INFRACALOR® 2,0 kW 240V CONNECTION BY FASTON ELASTOTHERM CAPS



CODE SP990520 IP23 INFRACALOR® 1,3 kW 240V CONNECTION BY FASTON ELASTOTHERM CAPS



CODE SP990517 IP20 INFRACALOR® AMBER LIGHT 1,5 kW CONNECTION BY FASTON ELASTOTHERM CAPS

#### REMOTE CONTROL SWITCH WIRELESS FOR INDOORS AND OUTDOORS - IP44 Code 206S/1

- Used to turn on and off remotely and immediately one or more heaters until 3,680 kW
- For wall and mobile models
- No installation
- Operating distance: 25/30 m without obstacles
- Remote control

unit with schuko plug



remote control

## UNIVERSAL BRACKET FOR INSTALLATION ON A ROUND OR SQUARE POLE OF A PARAŚOL AND UNDER VARIOUS STRUCTURES





















- **UNIVERSAL 66** Bracket with opening up to 66 mm
- code 101N (black)
- code 101B (white)
- **UNIVERSAL 100** Bracket with opening up to 100 mm
- code 102N (black)
- code 102B (white)



- **BRACKET FOR INSTALLATION ON CEILING** for V400 models (chains not included)
- code 109 for single models
- code 110 for vertical models
- code 111 for horizontal models



	VARMA TANDEM 1500/2000 watts IPX5		VARMA 400 1500/2000 watts IPX5		VARMA ECOWRN/7 1300 watts R7S IP54
	VARMA 301 2000 watts IPX5		VARMA 400/2 3000/4000 watts IPX5		VARMA ECOWRG/7 1300 watts R7S IP54
	VARMA 302 3000 watts IPX5		VARMA 400/2V 3000/4000 watts IPX5		VARMA ECOWRT/7 1300 watts R7S IP54
	VARMA 303 1500 watts R7S IP20		VARMA WR65/20 2000 watts IPX5		VARMA TOWER 3000 watts IP20
	VARMA SPOT 1300 watts R7S IP20		VARMA WR2000/20 2000 watts IP23		VARMA-FIRE 3000 watts IP20
	VARMA HOME 1300 watts IP23		VARMA-FIRE 2 1500 watt IPX5		
	VARMA TOP 1500 1500 watts IPX5		VARMA-FIRE 3 1500 watt IPX5		
	VARMA 400 IN BRILLIANT STAINLESS STEEL 1500 watts IPX5				
	VARMA 400FMC 1500/2000 watts IPX5				



Protection Index  
IPX5 = Protected  
against water jets  
(Star Progetti Patent)

## DISTRIBUTION OF VARMA TEC® RANGE OF HEATERS:

there are many advantages to  
be considered:

- 1- EFFICIENCY AND LOW CONSUMPTION:** professional heaters to heat up different kind of places in many fields, ensuring maximum efficiency and significant energy savings.
- 2- MADE IN ITALY:** designed and engineered in Italy. Design and quality made in Italy.
- 3- VARIETY OF MODELS:** Star Progetti produces more than 150 models for a variety of application fields and markets.
- 4- IPX5 PROTECTION:** Varma Tec® heaters are protected against rain and water sprays. They can be used both indoors and outdoors.
- 5- MAXIMUM HEAT OUTPUT:** its exclusive reflectors, made by a special patented technology, are highly reflective, allowing a widespread heat output and energy saving. That is why Varma Tec® heaters are the most performing in the market.
- 6- MERCHANDISING:** special attention was given to the material for the points of sale (display units, posters, brochures) as well as to a very cosy packaging.
- 7- CERTIFICATION:** the heaters have got all the necessary certifications to be sold in the United States, Latin America and Russia, as well as in Europe.
- 8- PRODUCT INSURANCE LIABILITY:** all the Varma Tec® heaters are covered by insurance, in order to safeguard not only the end-user but the dealer/distributor as well.
- 9- EXCELLENT SALES RESULTS:** competitive prices, product quality and merchandising ensure excellent sales with a very interesting operating margin for operators, as proved by the many customers acquired in Europe and elsewhere in the world.
- 10- "JUST IN TIME" ORDERS:** the execution of orders "just in time" ensures the customer an adequate stock to suit his trend in sales.

## APPLICATION FIELDS



INDUSTRY



DIY AND BRICOLAGE



OUTDOOR TERRACES OF BARS  
AND RESTAURANTS



HOME

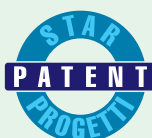


## ADVICE ON CORRECT INSTALLATION TO OBTAIN...

All VARMA TEC® heaters are manufactured in steel, painted with thermoplastic paint for outdoor use. Some patented models are specifically for use in areas exposed to wet conditions, in the rain and under sprays of water (IPX5).



Protection Index:  
IPX5 = protected  
against water jets



### SALES POINT SUPPORTS



- DISPLAY PANELS
- POSTERS
- MERCHANDISING PACKAGE
- APPLIANCE WITH SENSOR FOR DEMONSTRATION

#### \* TEST

The heated areas indicated can vary according to the installation height, the environmental conditions and the synergy produced when several heaters are installed. In the latter case results can be significantly higher.

To obtain the maximum comfort from VARMA TEC® range, choosing the correct heater for the application and correct installation, are very important. Every heater has a description of its heat capacity (power), area covered and recommended installation height. These details can be useful for choosing the most suitable model for your requirements. The simplest setup is like a light installation, as the heaters must be connected to the wall and focussed onto the area where heat is required. The lighting installation involves several distributed sources to create uniform illumination without shadows, rather than one large light source. The same technique is recommended for the installation of VARMA TEC® heaters. The orientation of the heaters is very important for obtaining the desired results. In the hospitality sector it should be remembered that the longer the clients stay, the greater the quantity of the heat radiated should be. Moreover, the quantity of heat radiation will be greater where there are high rates of humidity.

## ...MAXIMUM COMFORT

The diagrams show how the VARMA TEC® heaters should be installed in order to obtain the best results. The importance of covering the area to be heated as uniformly as possible is evident. **Furthermore, vertical ceiling heating is not recommended as only the upper part of the body would be heated, causing discomfort.** Therefore ceiling heating should be installed in a diagonal fashion, in order to obtain the best results (see ceiling design).

### \*HEATED AREAS

The covering areas can also vary according to the installation elevation and the synergy created by a greater number of heaters working at the same time. In that case, the performance of heaters is considerably higher. When estimating the heating coverage, it should be taken into account that the horizontal model widens the covering area, whereas the vertical model concentrates the coverage with a resulting increase in power.

### INSTALLATION ON MOBILE STANDS

The VARMA TEC® range includes mobile models with floor stands. The various models enable mobile heating placed near a wall without having to install specific electrical systems. Furthermore, they can easily be used in different areas according to requirements. These models enable to exchange their use between indoor areas and outdoor areas and, because of their design features, they look elegant both inside and outside.

### WALL MOUNTING

This is the most frequent type of installation, enabling to place the appliance in a non-invasive way in its surroundings. All models are supplied with a directional bracket for this kind of installation.

### INSTALLATION UNDER UMBRELLAS AND CANOPIES

There are specific models for these installations and suitable coupling accessories outlined for each model.



### ACCESSORIES

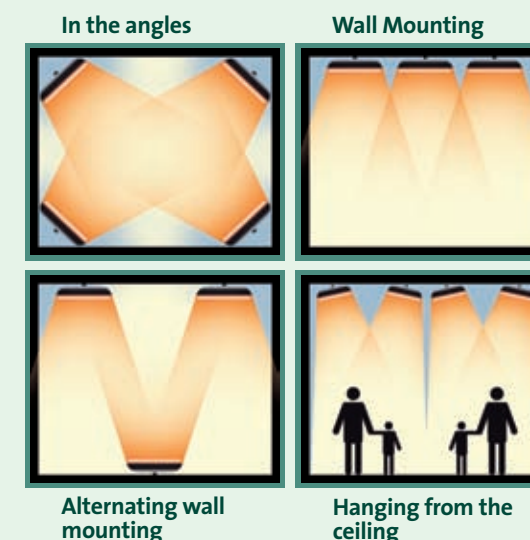
The VARMA TEC® range is complete with specific accessories such as power regulators with various characteristics and presence detectors for an automatic start.

### DURATION OF InFraCaloR® BULBS

All units are equipped with special InFraCaloR® bulbs, designed for the specific requirements. Bulbs for external use in areas exposed to weather conditions (IPX5) are a Star Progetti patent. InFraCaloR® bulbs have a very long lifetime of roughly 7000 hours and over, depending on the characteristics of use.



### INSTALLATION DIAGRAMS OF VARMA TEC® HEATERS














### STAINLESS STEEL PROTECTION GRIDS







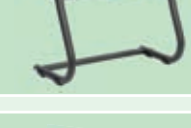



All units are provided with protection grids which may be necessary if the unit is installed at a height lower than 2 m.



MODELS	CODE	POWER (kW)	PROTECTION RATING	COLOUR	SPECIFIC FOR MOBILE SUPPORT	DIMENSIONS (CM)	NET WEIGHT (KG)	PACKAGE
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	VARMA TANDEM	550/15	1,5	IPX5	Bicolour Black and Silver	46X19X8,5	3	51,5X27X18
		550/20	2,0	IPX5	Bicolour Black and Silver	46X19X8,5	3	51,5X27X18
	VARMA 301	V301/20X5	2,0	IPX5	Bicolour Black and White	X	47,5X15,5X14	1,7 52,5X21,5X21,5
	VARMA 302	V302/30X5	3,0	IPX5	Bicolour Black and White	89X15X15,5	3	95,5X21,3X21
	VARMA 303	V303 MOB	1,5 R7S	IP20	Bicolour Black and White	47,5X15,5X14	11,7	105X38X20
	VARMA SPOT	SPOT1301P	1,3 R7S	IP20	White RAL 9016	X	41X14X12	0,95 44X19,5X21
	VARMA HOME	SPOT1302	1,3	IP23	White RAL 9016	X	41X14X12	6 117X33X11
	VARMA TOP 1500	V110/15P	1,5	IPX5	White RAL 9016	X	43X11X8	1,275 50,5X21X14,5
	VARMA 400 INOX	V400/15X5SS	1,5	IPX5	Bright stainless steel	X	40X22X11	3,12 46,5X27X17
	VARMA 400 FMC	V400/15FMCX5	1,5	IPX5	Micaceous iron	X	40X22X11	3,12 46,5X27X17
		V400/20FMCX5	2,0	IPX5	Micaceous iron	X	40X22X11	3,12 46,5X27X17
	VARMA 400	V400/15X5	1,5	IPX5	Micaceous iron Cream RAL 1013	40X22X11	3,12	46,5X27X17
		V400/20X5	2,0	IPX5	Micaceous iron Cream RAL 1013	40X22X11	3,12	46,5X27X17
	VARMA 400/2	V400/2-30X5	3,0	IPX5	Micaceous iron Cream RAL 1013	80X22X11	5	94X31X20
		V400/2-40X5	4,0	IPX5	Micaceous iron Cream RAL 1013	80X22X11	5	94X31X20

MODELS	CODE	POWER (kW)	PROTECTION RATING	COLOUR	SPECIFIC FOR MOBILE SUPPORT	DIMENSIONS (CM)	NET WEIGHT (KG)	PACKAGE
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	VARMA 400/2V	V400/2V-30X5	3,0	IPX5	Micaceous iron Cream RAL 1013	40X35X11	4,14	45X19X50
		V400/2V-40X5	4,0	IPX5	Micaceous iron Cream RAL 1013	40X35X11	4,14	45X19X50
	VARMA WR65/20	WR65/20FM	2,0	IPX5	Micaceous iron	X	50X23X16	5 57X28,5X22,5
		WR65/20B	2,0	IPX5	Cream RAL 1013	X	50X23X16	5 57X28,5X22,5
	VARMA WR2000/20	WR2000/20	2,0	IP23	Micaceous iron Cream RAL 1013	X	50X23X16	5 57X28,5X22,5
		WR2000/20SS	2,0	IP23	Bright stainless steel AISI 304	X	50X23X16	5 57X28,5X22,5
	VARMA-FIRE	V400F	3,0	IP20	Micaceous iron	47X113X51	9,8	27X47X100
	VARMA-FIRE 2	V400F2	1,5	IPX5	Micaceous iron	51X34X57	4,5	53X36X59
	VARMA-FIRE 3	V400F3	1,5	IPX5	Micaceous iron	51X34X57	3,7	53X36X59
	VARMA ECOWRN/7	ECOWRN/7	1,3 R7S	IP54	Black	X	35X24X18	3 36X28X21,5
	VARMA ECOWRG/7	ECOWRG/7	1,3 R7S	IP54	Black	35X32X26	4	44X37X24,5
	VARMA ECOWRT/7	ECOWRT/7	1,3 R7S	IP54	Black	35X24X18	13	3 boxes 42X42X7 36X28X21,5 5X105X8
	VARMA TOWER	VTOW30FM	3,0	IP20	Micaceous iron	Base 70X82 Height 250 Lateral arm 80	25,38	71X110X35