

PRODUCT CATALOGUE 2018



HEATS LIKE THE SUN!

OPRANIC heaters give you the same feeling of comfort as you feel when you are exposed to the Sun's warm rays.

Our product range includes a wide variety of infrared heaters for consumer and professional market.

We make our design and manufacture the products to the highest standards.

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✓ **SCANDINAVIAN DESIGN**

Simplicity with high functionality

✓ **WIDE RANGE OF PRODUCTS**

Home, professional, industrial use

✓ **PREMIUM INFRARED HEATERS**

For terrace, balcony or restaurant

✓ **WHEREVER YOU WANT**

Wherever you need heat

✓ **OPTIMUM HEAT RADIATION**

Absorbs the best and reflects the least

✓ **96% ENERGY CONVERSION**

Energy converted to radiant heat

OPRANIC INFRARED – AT THE FOREFRONT

With our infrared heaters, we bring pleasant, inexpensive and efficient heat into every home and every commercial setting. In our range, you'll find energy efficient heaters. We provide a choice of the latest infrared technologies, that is uniquely suited to the challenging requirements of heating outdoors.

EXPERIENCE WITHIN THE COMPANY

OPRANIC develops and produces its own technology and key components, which results in excellent performance and efficacy with high quality and longevity. With our experience in the field of infrared technology, we have built up great expertise within the company and always strive to be at the cutting edge of technology development.

HIGHEST EFFICIENCY AND QUALITY

Our products are manufactured for complete solutions for home and professional usage for the widest range of applications. Our energy-efficient infrared heaters convert up to 96% of input electrical energy directly into radiant heat and operate for just cents per hour.

SCANDINAVIAN DESIGN AND QUALITY

Our design is done by Scandinavian designers and by having the technology and production in our control, we can control the choice of components and subcontractors so that the end product meets the requirements for each purpose. In our laboratory, we continuously check the properties of the final product such as efficiency, durability, etc. to ensure that our products maintain a high premium standard.

The sun emits infrared rays or thermal radiation that travels approximately 150 000 000 kilometers through cold, dark space.



OPRANIC - JUST LIKE THE SUN!

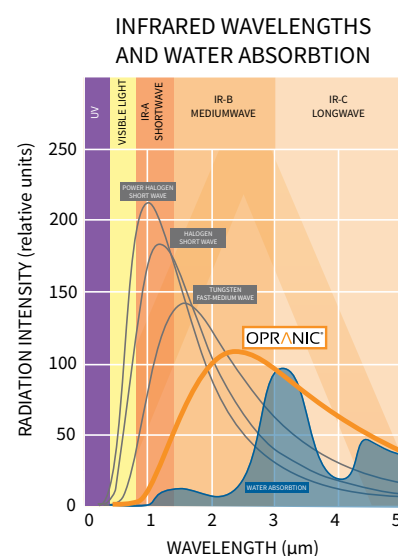
Just like the sun heats the earth by absorbing the infrared rays, an OPRANIC infrared heater heats in the same way. With only healthy, highly absorbed infrared rays, we have tailored our heaters to fit various of applications. OPRANIC has various infrared heaters in the product range, which aims at different types of needs and applications. For outdoor comfort warming, we recommend our own developed mediumwave technology that has a wavelength peak of approximately $2.4\mu\text{m}$. It provides a very damp glow and meets the demands of a qualitative infrared heater to heat people.

HUMAN ABSORPTION

Depending on the target material to be heated the correct type of heating radiation needs to be chosen since materials have different levels of absorption. The nature of the target material, the distance between the heater and the target and the duration of heat exposure is critical when selecting the type of an infrared heater. If the infrared heating radiation is not correct then only a portion of the heat radiation is absorbed by, the remaining part is wasted or reflected away. Our OPRANIC heaters are optimised at output wavelengths which water absorbs the best and reflects the least, giving us, humans, best comfort heating. There are 3 different wavelengths for infrared rays; medium, long and shortwave. OPRANIC offers a diversified portfolio within mediumwave range of infrared heaters tailored to bring comfort heating to a variety of applications.

OPRANIC CLASSIC TECHNOLOGY

Our proprietary Classic technology has all the features you expect from a premium infrared heater. The technology converts 96% of energy supplied to radiant heat and are absorbed very well by human skin. OPRANIC infrared heaters are optimised with output in the wavelengths at which water absorbs the best and reflects the least, giving a very efficient heat radiation. All components of the product are designed to provide the best possible efficiency of heat radiation with long durability.



The relation between wavelength and absorption of infrared radiation by water. Humans, consist of approximately 80% water, therefore for comfort heating we want an infrared heater to optimise its output of wavelengths at which water absorbs the best.

*When it reaches the earth surface, it is then absorbed
by objects and converted into **heat**.*

✓ **INCREASED LIFETIME**

The heating filament lifetime is up to 10000 hours

✓ **MORE FLEXIBLE**

Used in any direction vertical, tilted or horizontal

✓ **HIGHER EFFICIENCY**

IR-X is our most efficient technology

✓ **MORE DURABLE**

The industrial construction makes it more durable

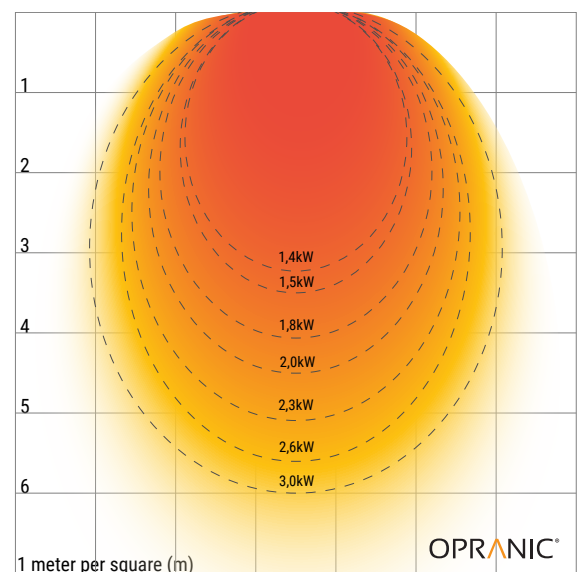
OPRANIC IR-X TECHNOLOGY



The latest technology from OPRANIC is IR-X technology. It is a further technical development of Classic technology, which provides increased lifetime, efficiency, durability and greater flexibility. The IR-X technology also visually provides a slightly deeper glow of infrared radiation that ensures maximum comfort and effectiveness. The OPRANIC IR-X technology can be mounted in any direction (Vertical or Horizontal), and the heating filament has an industrial-class lifetime that allows up to 10000 hours of continuous 24x7x365 operation.

HEAT COVERAGE

The illustration on the right has approximate information about the heating areas for an OPRANIC 3kW heater. The heating area will vary depending on geographical conditions such as outside temperature and the wind. Although in technical terms, the infrared rays of OPRANIC heaters are not affected by the wind or surrounding temperature, people will feel colder in windy and cold weather. When temperature loss is high, it is necessary to supply more energy. It is recommended to load 250 to 600 Watts per square meter to efficiently heat outdoors with an OPRANIC heater.



THOR



- NEW GENERATION HIGH PERFORMANCE TERRACE HEATERS
- OUR LATEST IR-X TECHNOLOGY
- HIGHEST EFFICIENCY WITH LONG LIFETIME
- REMOTE CONTROLLED WITH 5 HEATING LEVELS
- PEARL BLACK ALUMINIUM CONSTRUCTION
- AESTHETIC MODERN SLIM DESIGN

AREA OF USE

THOR can be used everywhere you need extra heat, whether it's in an indoor environment like a garage, basement or outside on the terrace, you can safely use THOR infrared heater. It has automatic tilt switch that turns off the power if it falls and is IP34 certified for outdoor use. THOR has a specially tailored reflector that distributes the infrared rays widely, and with the built-in dimmer, you can adjust the power from 1200W to 2000W in five steps. With our optimised infrared wavelengths, which absorbs the best and reflects the least, you will be able to enjoy a comfortable stay even when the surrounding temperature is low.



OPRANIC - THOR

OPRANIC THOR is a high performance portable infrared heater. Available with remote control and adjustable power up to 2000W in five steps. With it's aesthetic modern designed aluminium body in Pearl Black colour, it blends into the most exclusive surroundings.

THOR WITH IR-X



The technology provides more than double lifetime compared with Classic technology. The IR-X filament together with our tailored reflector especially designed for THOR, radiates heat extra wide, and emits a deep warm glow that creates a warm ambience in your space that is also absorbed very well by humans. THOR with IR-X technology heats objects directly without warming up the air in the environment which avoids energy dissipation and maintains humidity.

MODEL	EAN	COLOUR	CONTROL	POWER (W)	CURRENT (A)	COVERAGE (m ²) OUT- / IN-DOOR	DIMENSIONS (cm) L x W x H	WEIGHT (kg)
THOR15XP-B	7350009970426	Pearl Black	On/Off	1500	6,5	7 / 14	12,7 x 19 x 105	4,2
THOR20XR-B	7350009970440	Pearl Black	Remote	1200-2000	8,7	10 / 20	12,7 x 19 x 105	4.2

Voltage: 230 - 240 Volt | Warranty: 2 years | IPX4 | Lifetime: 10 000 hours



POWER	2M	3M	4M	5M
1500W	24,8°	20,3°	17,5°	17,0°
2000W	27,9°	22,9°	19,7°	17,8°

Measurement performed in 17° celsius ± 1° semi-closed area, no wind

OPRANIC develops and produces its own technology and key components, which results in excellent performance and efficiency with high quality and longevity.

LAVA

- NEXT GENERATION HIGH PERFORMANCE TERRACE HEATERS
- OUR LATEST IR-X TECHNOLOGY
- HIGHEST EFFICIENCY WITH LONG LIFETIME
- REMOTE CONTROLLED WITH 5 HEATING LEVELS
- PEARL BLACK OR TONED SILVER ALUMINIUM CONSTRUCTION
- AESTHETIC MODERN SLIM DESIGN



TECHNOLOGY

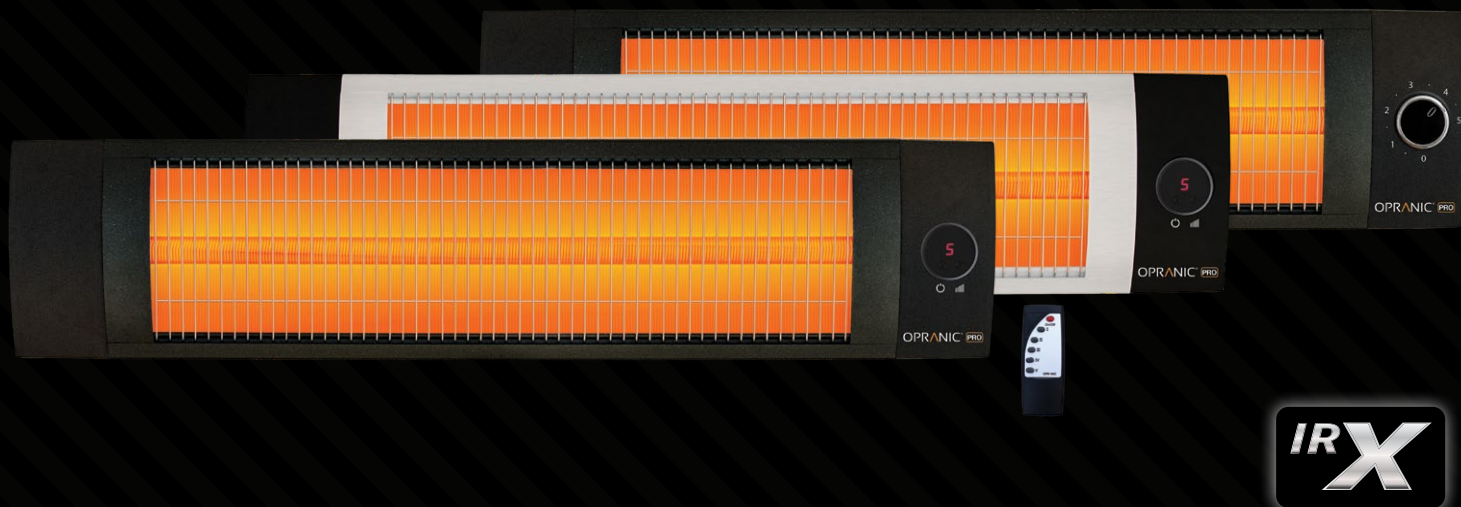


The latest technology from OPRANIC is IR-X technology. It provides increased lifetime, efficiency, durability and greater flexibility. The IR-X technology also visually provides a slightly deeper glow of infrared radiation that ensures maximum comfort and effectiveness. The OPRANIC IR-X technology can be mounted in any direction (Vertical or Horizontal), and the heating filament has an industrial-class lifetime that allows up to 10000 hours of continuous 24x7x365 operation.



PERFORMANCE AND DESIGN

LAVA will blend into the most exclusive surroundings by its aesthetic modern designed aluminium body, coated in Pearl black or toned silver colour. With its durable, highly efficient IR-X heating element and high-end choice of components, it emits a deep warm glow of radiant heat that will enable an enjoyable and comfortable stay even when the surrounding temperature is low.



OPRANIC PRO -LAVA

OPRANIC PRO – LAVA is a high-performance infrared heater series that has a modern design with a slim aluminium body construction. It is equipped with IR-X technology and aimed for commercial or private use, like hotels, restaurants, verandas, cafes where design and performance are the focus. Options are available either remote control with adjustable power from 1400W to 2300W in five steps or thermostatic models with fixed power. The choice of materials is of the highest class, all rust proof and IPX4 certificated. It is designed to last for many years with the highest efficiency.

MODEL	EAN	COLOUR	CONTROL	POWER (W)	CURRENT (A)	COVERAGE (m²) Out- / In-door	DIMENSIONS (cm) L x B x H	WEIGHT (kg)
LAVA15XT-B	7350009970341	Perl Black	Thermostat	1500	6,5	7 / 14	85,5 x 8,5 x 18,8	3,5
LAVA20XT-B	7350009970365	Perl Black	Thermostat	2000	8,7	9 / 18	85,5 x 8,5 x 18,8	3,5
LAVA23XR-B	7350009970389	Perl Black	Remote	1400-2300	10	12 / 23	85,5 x 8,5 x 18,8	3,5
LAVA23XR-S	7350009970402	Toned Silver	Remote	1400-2300	10	12 / 23	85,5 x 8,5 x 18,8	3,5

Volt: 230 - 240 | Warranty: 2 years | Lifetime: 10000 hours | IPX4 | Vertical or Horizontal mounting



POWER	2M	3M	4M	5M
1,5kW	28,8°	23,6°	20,4°	18,4°
2,0kW	32,2°	26,4°	22,7°	20,5°
2,3kW	34,8°	28,5°	24,7°	22,0°

Measurement performed in 17° celsius ± 1° semi-closed area, no wind

*The new LAVA equipped with our latest IR-X technology
is next generation of infrared heating!*



NOVA

- CONVERTS 96% OF THE ENERGY TO RADIANT HEAT
- UNIQUE, EFFICIENT AND COMFORTABLE INFRARED HEAT
- REMOTE WITH 5 HEAT LEVELS
- FOR WALL OR CEILING AT ANY LOCATION
- DESIGNED TO PROVIDE AN EFFECTIVE SPOT HEATING



HEATS LIKE THE SUN!

OPRANIC infrared heaters have a heating technology that heats like the sun's rays. It heats objects directly without heating up the air in the environment, avoiding energy waste and retain humidity. If you like the warmth of the sun, then you will love the feeling you get from your OPRANIC infrared heater.

TECHNOLOGY

OPRANIC radiation luminescence at 2.4 μm wavelength has a high absorption capacity and almost no radiation reflected away. Our energy efficient infrared heaters convert 96% of input electrical energy directly into radiant heat, and operate for just cents per hour.

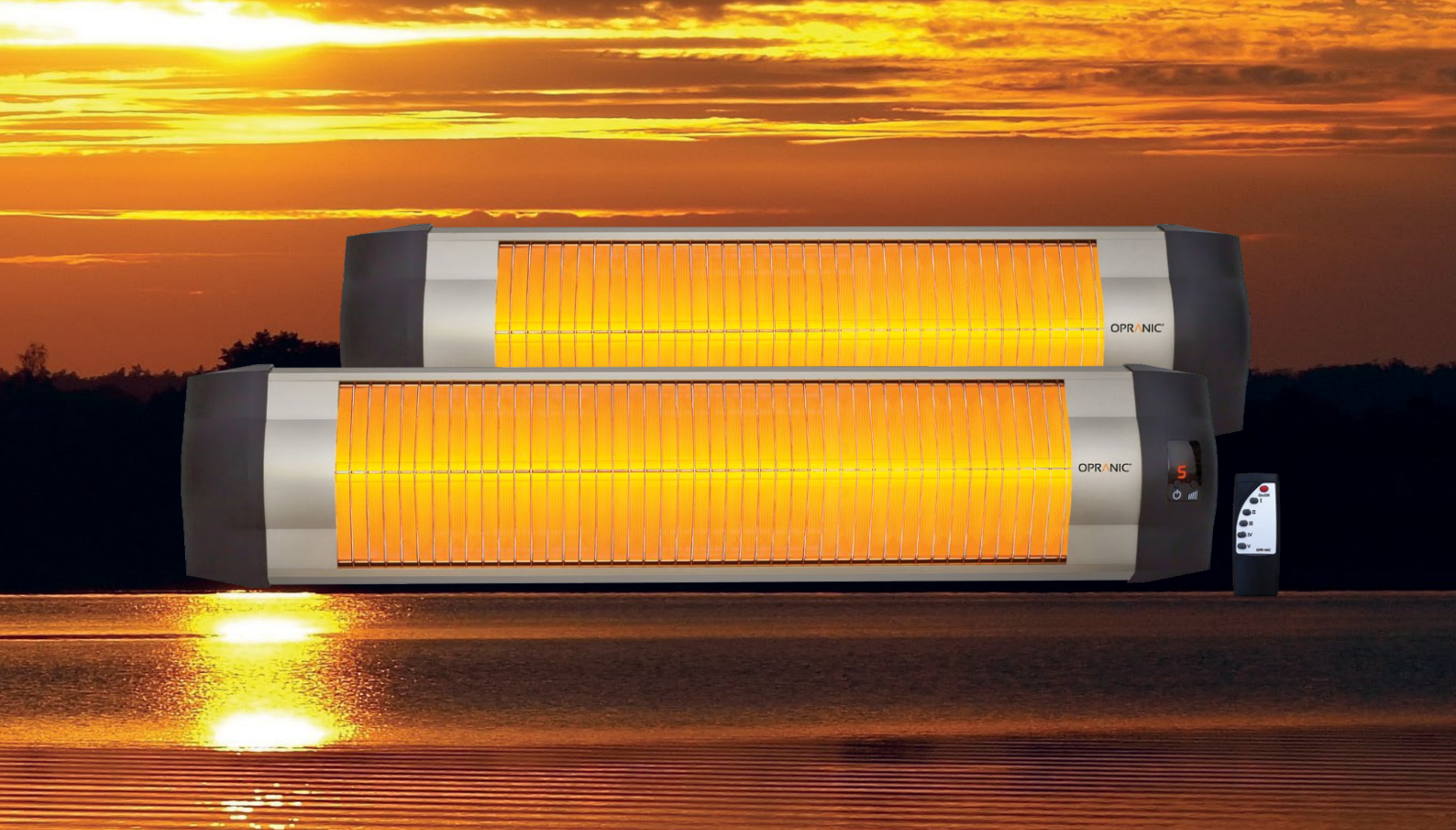


APPLICATION AREAS

OPRANIC infrared heaters bring comfort to patios, terraces, verandas, restaurants, semiopen areas, and any indoor or outdoor settings. Even larger spaces such as shops, warehouses and garages can be efficiently and comfortably heated with OPRANIC infrared heating technology.

HEALTHY AND EFFICIENT HEATING

It is also healthy for the human skin by increasing blood circulation and does not contain any harmful rays. With OPRANIC infrared heaters we bring pleasant, inexpensive heat into every home and every commercial setting. They are safe for use both outdoors and indoors, allowing you to enjoy a clean, efficient, environmental heat!



OPRANIC - NOVA

The NOVA infrared heater serie has a Classic design, with double layer aluminium body construction and is equipped with our Classic infrared technology that effectively heats objects directly without heating the surrounding air. Available with a thermostat or remote control with powers up to 2300W. NOVA infrared heater serie is intended for residential use. The choice of materials is of the highest class, all rust proof and IP34 certificated. It is designed to last for many years with the highest efficiency.

MODEL	EAN	CONTROL	POWER (W)	AMP (A)	HEATING AREA (M²) OUTDOOR / INDOOR	DIMENSIONS (CM) L X W X H	WEIGHT (kg)
NOVA14T	7350009970082	Thermostat	1400	6,1	7 / 14	75,5 x 11,3 x 19,0	3,0
NOVA18T	7350009970105	Thermostat	1800	7,9	9 / 18	88,0 x 11,3 x 19,0	3,5
NOVA23T	7350009970129	Thermostat	2300	10,0	11 / 23	88,0 x 11,3 x 19,0	3,5
NOVA23R	7350009970143	Remote	1400-2300 (5-step)	10,0	11 / 23	88,0 x 11,3 x 19,0	3,6

Voltage: 230 - 240 Volt | Colour: Light Bronze | Warranty: 2 years | Lifetime: 6 000 hours | IP34 | Horizontal usage only



POWER	2M	3M	4M	5M
1400W	25,6°	21,0°	18,5°	17,0°
1800W	27,3°	22,4°	19,4°	17,8°
2300W	31,0°	25,4°	22,3°	20,1°

Measurement performed in 17° celsius ± 1° semi-closed area, no wind

"Both we and the experts are united after the test and there is no doubt that Opranic's Infrared heater serie NOVA are best we tested. These heaters are unbeatable when looking at quality, heat dissipation, features, price and design."

- Direct translated from a test in Sweden in 2017 - <http://terrassvärmare.se/basta-infravarmarna/>



ECO

- ECO CLASSIC INFRARED TECHNOLOGY
- REMOTE WITH 5 HEAT LEVELS
- EASILY MOUNTED ON THE WALL, CEILING OR STAND



KEY FEATURES

OPRANIC ECO has all the key features of an OPRANIC infrared heater such as high efficiency, remote control, low glare. It heats objects directly without heating up the air in the environment, avoiding energy waste and retain humidity. It has 2 years warranty and a lifetime of 4000 hours.

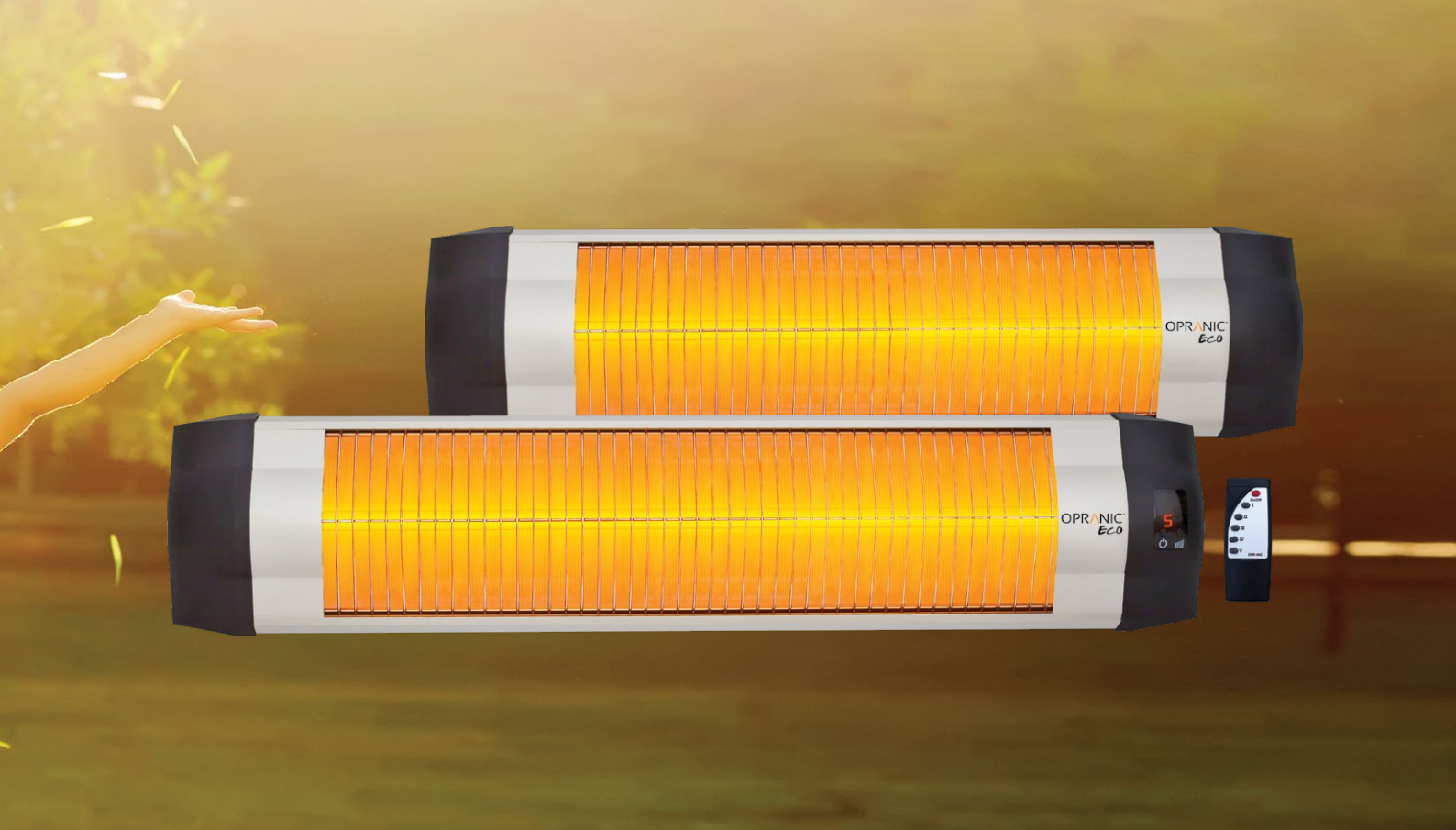
APPLICATION AREAS

OPRANIC infrared heaters bring comfort to patios, terraces, verandas, semi-open areas, and any indoor or outdoor setting for private use. Even larger spaces such as shops, warehouses and garages can be efficiently and comfortably heated with OPRANIC infrared heating technology.



HEALTHY AND EFFICIENT HEATING

It is also healthy for the human skin by increasing blood circulation and does not contain any harmful rays. With OPRANIC infrared heaters we bring pleasant, inexpensive heat into every home and every commercial setting. They are safe for use both outdoors and indoors, allowing you to enjoy a clean, efficient, environmental heat!



OPRANIC - ECO

OPRANIC ECO infrared heater can be mounted on the wall or ceiling. ECO infrared heaters heat like the sun, it heats the object directly without wasting energy to warm up the air in the surrounding. The ECO series has a classic design with an aluminium body construction. It is weatherproofed for use in an outdoor environment and is based on our ECO Classic technology.

MODEL	EAN	CONTROL	POWER (W)	AMP (A)	HEATING AREA (m²) OUTDOOR / INDOOR	DIMENSIONS (cm) L X W X H	WEIGHT (kg)
ECO14T2	7350009970006	Thermostat	1400	6,1	7 / 14	75,5 x 11,3 x 19,0	2,6
ECO23R	7350009970068	Remote	1400 - 2300 (5-step)	10,0	11 / 23	88,0 x 11,3 x 19,0	3,0
STAND18A	7350009971003	1,8 meter	Tip over protection			85 x 85 x 185	3,4
Voltage: 230 - 240 Volt Colour: Silver Warranty: 2 years Lifetime: 4 000 hours IP34 Horizontal usage only							



POWER	2M	3M	4M	5M
1400W	25,6°	21,0°	18,5°	17,0°
2300W	31,0°	25,4°	22,3°	20,1°

Measurement performed in 17° celsius ± 1° semi-closed area, no wind

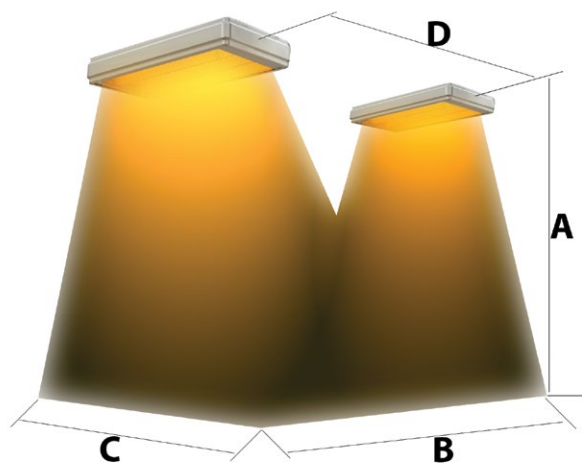
VEGA

VEGA – THE POWER HEATER

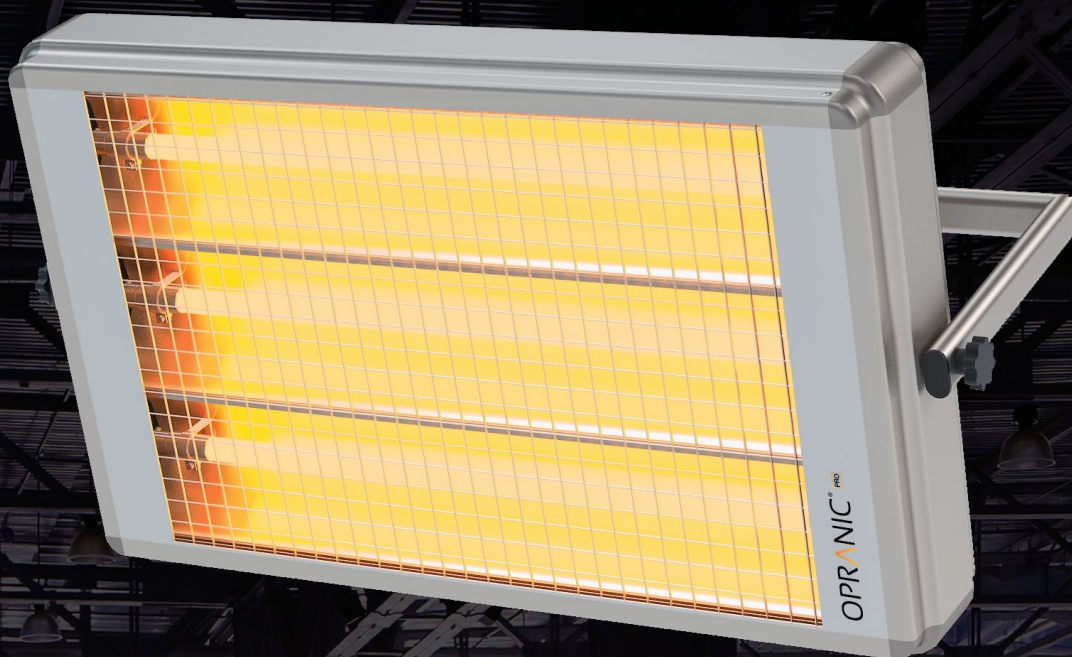
The VEGA infrared heater for industrial purposes can heat areas up to 80 square meters in an indoor environment. VEGA serie is specially designed for spot heating of premises with high ceilings and where large spaces need to be heated, such as industrial facilities, warehouses, hangars and churches.

CUSTOMIZATION SUPPORT

The OPRANIC PRO VEGA industrial infrared heater can be tailored to your specific needs. The standard VEGA has three heating filaments but we can manufacture it to your specific needs with one or two filaments. Just get in contact with us and we will do our best to assist you.



MODEL	POWER (watt)	HEATING AREA (m ²)	HEAT CONCENTRATION (w/m ²)	NO. OF HEATERS	DISTANCE (m)			
					A	B	C	D
VEGA54	5 400	54	100	1	4	9	6	-
	10 800	108	100	2	6	15,6	6,9	4,6
	10 800	108	100	2	8	14	7,7	1
	16 200	162	100	3	10	19	8,5	2
VEGA69	6 900	54	128	1	4	9	6	-
	13 800	138	100	2	6	19	6,9	8
	13 800	138	100	2	8	17,1	7,7	4,1
	20 700	207	100	3	10	23,3	8,5	4,2
VEGA90	9 000	56	161	1	5	9	6,2	-
	9 000	78	115	1	6	11	7,1	-
	18 000	180	100	2	8	22,8	7,9	9,8
	18 000	180	100	2	10	20,7	8,7	5,7



VEGA INDUSTRIAL INFRARED HEATER

OPRANIC PRO VEGA industrial infrared heater is a powerful serie of medium wave infrared heaters up to 9000W (9kW) for heating large spaces such as industrial halls, sports arenas, warehouses and other large areas. With its high efficiency and optimal wavelength of radiation, the heating costs are reduced compared to traditional heating methods.

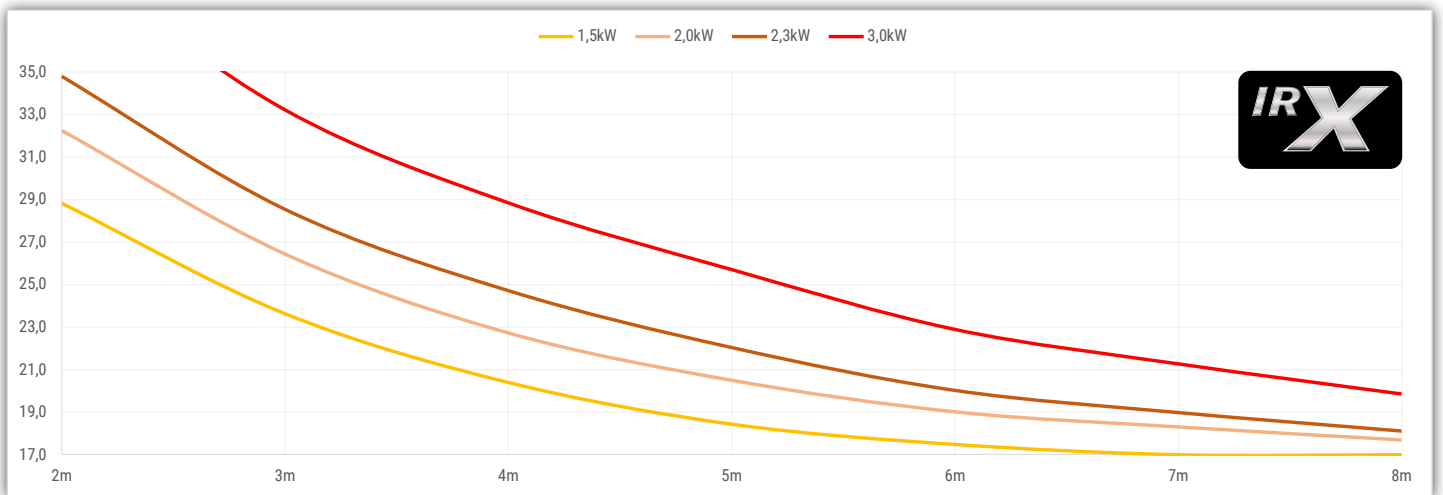
MODELL	EAN	POWER (W)	HEATAREA (INDOOR)m ²	HEATING FILAMENTS	DIMENSIONS (cm) L X W X H	WEIGHT (kg)
VEGA54	7350009971300	5400	54	3 (x1800W)	79 x 13 x 47,3	14
VEGA69	7350009971324	6900	69	3 (x2300W)	79 x 13 x 47,3	14
VEGA90	7350009971348	9000	90	3 (x3000W)	99,6 x 13 x 47,3	16,5

Volt: 230 - 240V (or 400V) - Warranty: 2 years - Lifetime: 9000-12000 Hours - IP34

MODEL	VEGA54	VEGA69	VEGA90
Voltage (V)	220-230 / 380-400	220-230 / 380-400	220-230 / 380-400
Power (W)	5 400	6 900	9 000
Current (A) (at 230V or 400V)	24,5 / 8,1	31,3 / 10,4	40,9 / 13,6
Lifetime (hours)	9 000	9 000	9 000
Body	Aluminium	Aluminium	Aluminium
Mounting	Wall / Ceiling	Wall / Ceiling	Wall / Ceiling
Min. distance to ceiling (cm)	50	50	50
Min. distance to wall (cm)	70	70	70
Min. distance to floor (cm)	300	300	300
Min. distance to combustible material (cm)	300	300	300
Usage	Only horizontal	Only horizontal	Only horizontal
Height - Width - Depth (cm)	13 x 79 x 48	13 x 79 x 48	13 x 99 x 48
Weight (kg)	13,2	13,2	15,4
Certifications	CE - IP34	CE - IP34	CE - IP34



HEAT COVERAGE



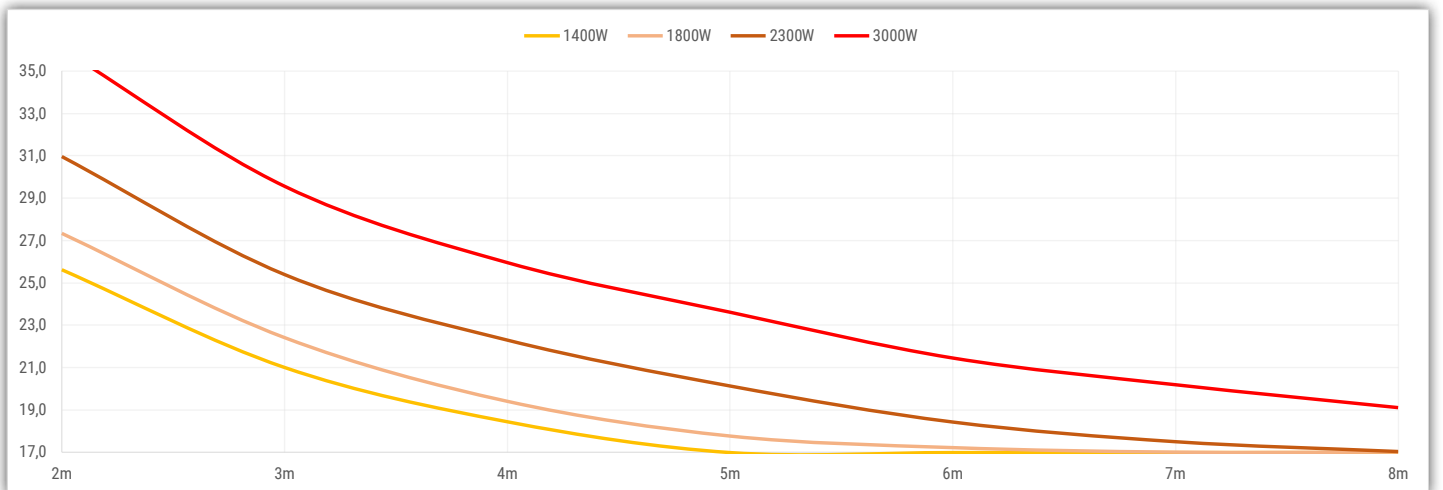
POWER	2M	3M	4M	5M
1,5kW	28,8°	23,6°	20,4°	18,4°
2,0kW	32,2°	26,4°	22,7°	20,5°
2,3kW	34,8°	28,5°	24,7°	22,0°
3,0kW	40,5°	33,2°	28,8°	25,7°

Measurement performed in 17° celsius ± 1° semi-closed area, no wind

OPRANIC LAVA WITH IR-X TECHNOLOGY

The radiant heat reaches up to over 8 meters already at 2,0kW and gives a deep, calm glow, without any disturbing light. It provides increased lifetime, efficiency, durability and greater flexibility. The IR-X technology ensures maximum comfort and effectiveness.

- Note: THOR portable infrared heater has a different construction and therefore spreads the heat wider and with a reduced length.



POWER	2M	3M	4M	5M
1400W	25,6°	21,0°	18,5°	17,0°
1800W	27,3°	22,4°	19,4°	17,8°
2300W	31,0°	25,4°	22,3°	20,1°
3000W	36,0°	29,6°	26,0°	23,6°

Measurement performed in 17° celsius ± 1° semi-closed area, no wind

OPRANIC NOVA WITH CLASSIC TECHNOLOGY

The radiant heat reaches up to over 8 meters at 3kW and gives a soft, calm glow, without any disturbing light. The radiant heat is very well absorbed by the human skin and is not harmful in any way, neither to skin or eyes.

ABOUT THE MEASUREMENT

The measurements were performed in a wind protected outdoor environment at approx. 17 degrees Celsius. Readings were done approx 30-45 minutes after we switched on the heater. The temperature stated is an average between readings from wood and deerskin as a target material.

TECHNICAL DATA AND PRICES

MODEL	EAN	COLOUR	CONTROL	POWER (W)	CURRENT (A)	DIMENSIONS (cm) L x W x H	WEIGHT (kg)	RRP IN EURO EX. VAT
THOR15XP-B	7350009970426	Pearl Black	On/Off	1500	6,5	12,7 x 19 x 105	4,2	169
THOR20XR-B	7350009970440	Pearl Black	Remote	1200-2000	8,7	12,7 x 19 x 105	4.2	209
Voltage: 230 - 240 Volt Warranty: 2 years IPX4 Lifetime: 10 000 hours								

MODEL	EAN	COLOUR	CONTROL	POWER (W)	CURRENT (A)	DIMENSIONS (cm) L x B x H	WEIGHT (kg)	RRP IN EURO EX. VAT
LAVA15XT-B	7350009970341	Perl Black	Thermostat	1500	6,5	85,5 x 8,5 x 18,8	3,5	149
LAVA20XT-B	7350009970365	Perl Black	Thermostat	2000	8,7	85,5 x 8,5 x 18,8	3,5	189
LAVA23XR-B	7350009970389	Perl Black	Remote	1400-2300	10	85,5 x 8,5 x 18,8	3,5	250
LAVA23XR-S	7350009970402	Toned Silver	Remote	1400-2300	10	85,5 x 8,5 x 18,8	3,5	250
Volt: 230 - 240 Warranty: 2 years Lifetime: 10000 hours IPX4 Vertical or Horizontal mounting								

MODEL	EAN	CONTROL	POWER (W)	AMP (A)	DIMENSIONS (CM) L X W X H	WEIGHT (kg)	RRP IN EURO EX. VAT
NOVA14T	7350009970082	Thermostat	1400	6,1	75,5 x 11,3 x 19,0	3,0	109
NOVA18T	7350009970105	Thermostat	1800	7,9	88,0 x 11,3 x 19,0	3,5	139
NOVA23T	7350009970129	Thermostat	2300	10,0	88,0 x 11,3 x 19,0	3,5	169
NOVA23R	7350009970143	Remote	1400-2300 (5-step)	10,0	88,0 x 11,3 x 19,0	3,6	209
Voltage: 230 - 240 Volt Colour: Light Bronze Warranty: 2 years Lifetime: 6 000 hours IP34 Horizontal usage only							

MODEL	EAN	CONTROL	POWER (W)	AMP (A)	HEATING AREA (m²) OUTDOOR / INDOOR	WEIGHT (kg)	RRP IN EURO EX. VAT
ECO14T2	7350009970006	Thermostat	1400	6,1	7 / 14	2,6	On demand
ECO23R	7350009970068	Remote	1400 - 2300 (5-step)	10,0	11 / 23	3,0	On demand
STAND18A	7350009971003	1,8 meter	Tip over protection			3,4	50
Voltage: 230 - 240 Volt Colour: Silver Warranty: 2 years Lifetime: 4 000 hours IP34 Horizontal usage only							

MODELL	EAN	POWER (W)	HEATAREA (INDOOR)m²	HEATING FILAMENTS	WEIGHT (kg)	RRP IN EURO EX. VAT
VEGA54	7350009971300	5400	54	3 (x1800W)	14	990
VEGA69	7350009971324	6900	69	3 (x2300W)	14	1090
VEGA90	7350009971348	9000	90	3 (x3000W)	16,5	1290
Volt: 230 - 240V (or 400V) - Warranty: 2 years - Lifetime: 9000-12000 Hours - IP34						

All prices are in Euro and excluding local VAT. Delivery terms FOB Stockholm or according to an agreement.
Opranic Technologies AB do not sell directly to end user, only through a distributor or local reseller.

OPRANIC®

