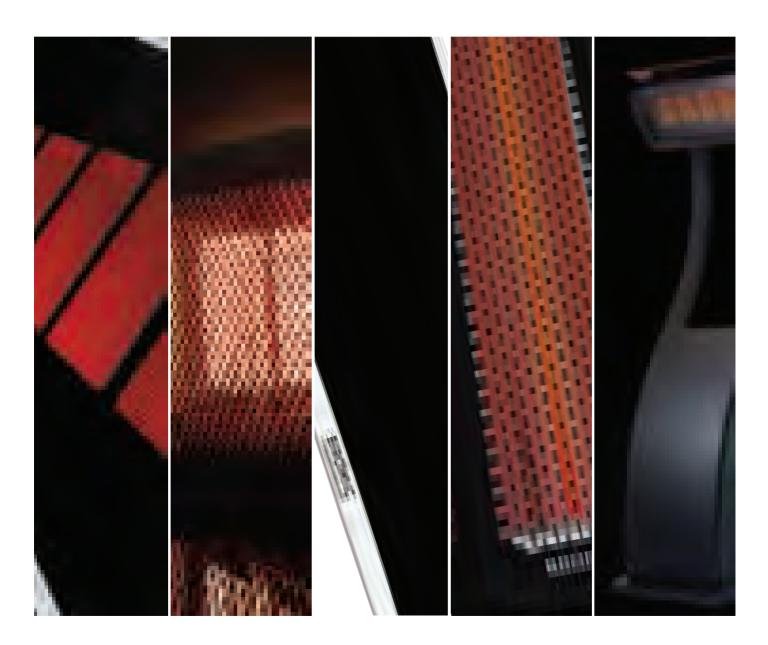


Bromic Heating The Complete Solution

Information Pack



SMART-HEATING BROMICHEATING.COM A member of the Bromic Group



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PRODUCT FEATURE KEY



Even heat distribution Heat from the burners is transmitted through a translucent



ceramic medium which allows a more effective dispersion of heat.





Rotational Mounting Bracket Heaters come standard with an easypivot arm which allows adjustment of heat direction. This provides greater versatility and heat coverage.





in windy conditions. (Wind resistance varies between models).

Symmetrical & Balanced Design Stylish and aesthetically pleasing design.



Surface does not glow Non-glowing heat to blend easily into any environment.



Recess option Allows seamless integration into the heating area.



Water / Splash Resistant The heater can sustain splashes of water from all angles and remain on.

BRÓMIC

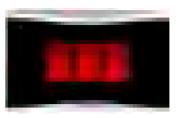
PLATINUM SMART-HEATTM GAS

Top quality performance and the looks to match

Brushed stainless steel and a ceramic medium make Platinum Smart-Heat™ Gas suitable for all outdoor environments.

Tinted ceramic fascia provides a soft glow, enhancing the overall experience and ensuring even heat distribution.

Directional ceiling or wall mounting provides greater positioning versatility and heat coverage.



Platinum Smart-Heat[™] Gas 300 Series LPG (Propane)/ Natural Gas



Platinum Smart-Heat[™] Gas 500 Series LPG (Propane)/ Natural Gas







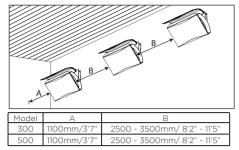


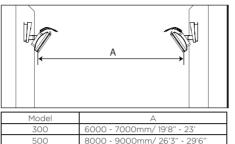
FEATURES

- Full Stainless Steel Construction
- Higher levels of wind resistance. Platinum units are wind resistant to 18km/h (11pmh).
- Electronic ignition. Can be wired into C-Bus and smart system controls
- Automatic Re-Ignition In the instance of the unit blowing out, it will attempt to re-ignite.
- Use of a ceramic medium creates the most even levels of heat dispersion.
- Can be run on LPG or Natural Gas
- Available in two sizes a 300 Series (25Mj/ 23,600BTU) and a 500 Series (42Mj/39,800BTU)
- Can be wall mounted or ceiling mounted
- Easy Pivot Arm bracket allows for direction of heat to be adjusted
 providing greater versatility and heat coverage



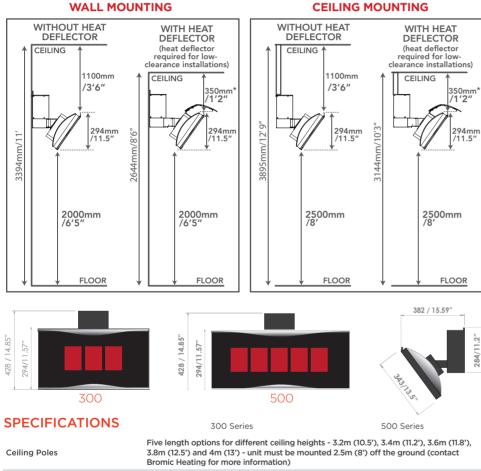
RECOMMENDED MOUNTING DISTANCE*





MINIMUM INSTALLATION CLEARANCES

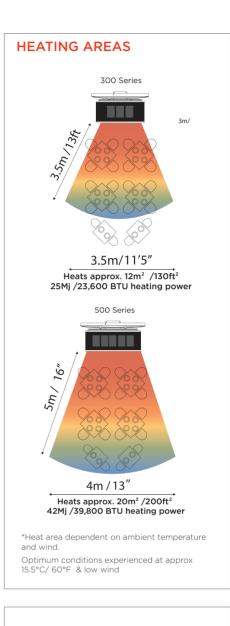
MINIMUM INSTALLATION CLEARANCES WALL MOUNTING



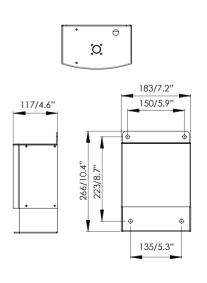
Heat Output (on Propane LPG and No	3) 25Mj /23,600BTU/6.9kW	42Mj/ 39,800BTU/6.9kW
Approximate area heated (m ²)	12m ² /130ft ²	20m²/200ft ²
Gas connection	3/8"M SAE / 1/2" NPT Female	3/8"M SAE / 1/2" NPT Female
Electrical connection	240 Volt, 3-pin insulated plug / 110 Volt, 3-pin insulated plug	240 Volt, 3-pin insulated plug / 110 Volt, 3-pin insulated plug
Dimension (WxDxHmm)	560 x 382 x 428mm / 22.05" x 15.59" x 14.85"	756 x 382 x 428mm / 29.76" x 15.59" x 14.85"
Min. distance to combustible materials ²	Side: 1100mm / 3.6'	
(without heat deflector) ²	Above (to ceiling): 1100mm / 3.6'	
(with heat deflector) ²	Above (to ceiling): 350mm / 1'2"	
Mounting height requirement to ground ³	Wall Mount: 2000mm, Ceiling Pole Mount: 2500mm	
Weight (kg)	12.5kg/33lb	16.5kg/40lb

16.5kg/40lb

Must only be installed by a licensed technician. Must complete "Pre-Installation Checklist" before installing ²The temperature will not exceed 65°C above the ambient temperature at specified distances. Please consult material manufacturer for temperature ratings and suitability. Bromic Heating takes no responsibility for material compliance. ⁴Installation must be performed in accordance with AS5601 installation code (or relevant standard) and must comply with any addition jurisdictional requirements. Bromic takes no responsibility for incorrect or non-compliant installations



WALL BRACKET DIMENSIONS



*See Page 7 For Accessories



TUNGSTEN SMART-HEATTM GAS

A designed, cost-conscious product blending aesthetics and function

A designed, cost-conscious product range that does not sacrifice aesthetics for function.

The patented direct ignition system, never before seen on an outdoor gas radiant heater, ensures a reliable start and effective operation.

To ensure safe usage the Tungsten Smart-Heat™ is fitted with a "Flame Failure Safety Shut Off Control" turning off the unit instantaneously.









Tungsten Smart-Heat[™] Gas 300 Series LPG (Propane)/ Natural Gas



Tungsten Smart-Heat[™] Gas 500 Series LPG (Propane)/ Natural Gas





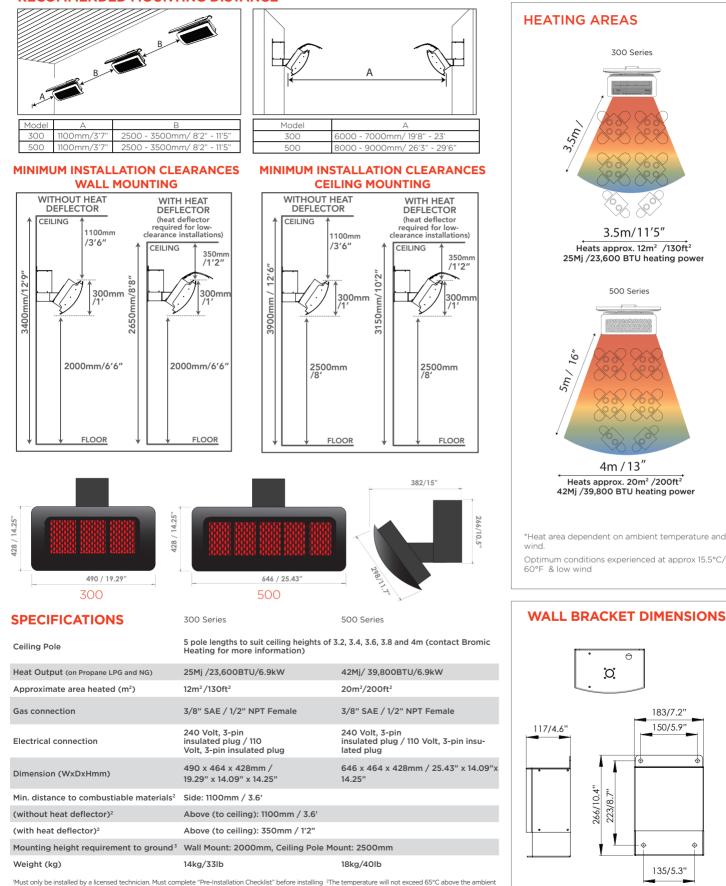
FEATURES

- Full Stainless Steel Construction
- Tungsten units are wind resistant up to 12km/h(8mph).
- Electronic ignition. Can be wired into C-Bus and smart system controls
- Automatic Re-Ignition In the instance of the unit blowing out, it will attempt to re-ignite.
- Can be run on LPG or Natural Gas
- Available in two sizes a 300 Series (25Mj/ 23,600BTU) and a 500 Series (42Mj/39,800BTU)
- Can be wall mounted or ceiling mounted
- Easy Pivot Arm bracket allows for direction of heat to be adjusted providing greater versatility and heat coverage with 25° rotation to each side.



TUNGSTEN SMART-HEAT[™] GAS

RECOMMENDED MOUNTING DISTANCE*

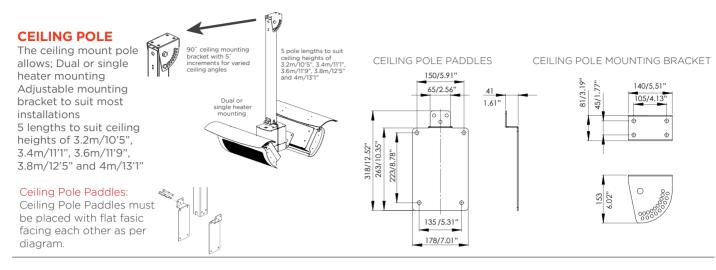


"Must only be installed by a licensed technician. Must complete "Pre-Installation Checklist" before installing "The temperature will not exceed 65°C above the ambient temperature at specified distances. Please consult material manufacturer for temperature ratings and suitability. Bromic Heating takes no responsibility for material compliance. "Installation must be performed in accordance with AS560 installation acode (or relevant standard) and must comply with any additional jurisdictional requirements. Bromic takes no responsibility for incorrect or non-compliance."

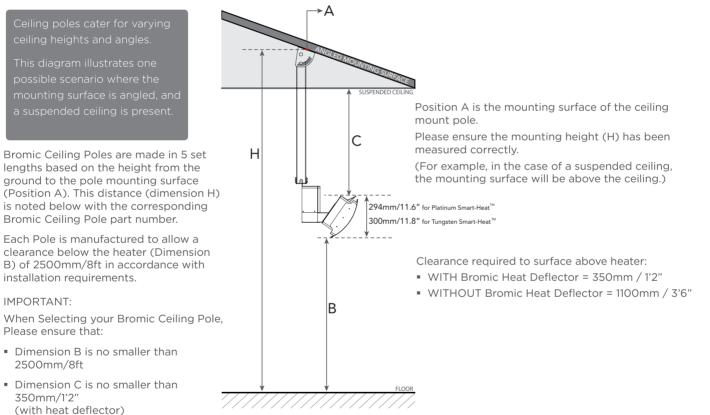
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ACCESSORIES FOR SMART-HEATTM GAS HEATERS





INSTALLATION OF CEILING MOUNT POLE*



 Dimension C is no smaller than 1100mm/3'6" (without heat deflector)

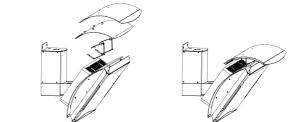
Dimension H* (mm) Heat Deflector Required?

3200mm / 11′	Y
3400mm / 11'2"	Y
3600mm / 12′	Υ
3800mm / 12′5″	Y
4000mm / 13'1"	Optional

*Dimensions provided are nominal only. Slight variations may occur. All dimensions must be checked during installation.

DUAL-LAYER HEAT DEFLECTOR

The heat deflector allows for low clearance installations. Stainless steel dual layer to ensure minimum clearance height from ceiling.



*Bromic is not responsible for assuring compliance with jurisdictional codes and regulations governing construction, installation and/or use of the heating products and cannot be responsible for how the product is installed or used. Before purchase and use of the product, it is the responsibility of the owner/purchaser to review the product application and all applicable national and local codes and regulations governing the installation and use of such heating products and to seek advice from relevant technical persons.



COMPLIMENTARY DESIGN SERVICE - PRE- INSTALLATION CHECKLIST

Bromic Heating offers a complimentary design support service to ensure correct heater selection, positioning and quantity.

In order for our technical department to provide a heating proposal we require all information on the checklist below. Please also send digital photos if possible and clearly indicate areas that require heating.

Bromic requires the following information in order to provide/review a heating proposal:

1. A plan/drawing with area dimensions and ceiling heights of all areas that require heating. Please indicate clearly on the plans the outdoor areas that require	8. How exposed is the area to wind?
heating.	
A floor plan and an elevation view are essential.	9. Is the site is anywhere near the sea?
Digital photos if possible would be helpful.	
2. Does the site have existing plumbing for LPG or natural gas?	10. Will the heaters be protected (ie shielded from rain)
	by a ceiling/awning etc?
3. Is the preference to use gas or electric heaters?	11. Briefly describe ceiling material type
4. What is the application of each outdoor area - i.e.	
eating? / smokers terrace? / gaming? /general usage?	12. Are there any wall obstructions? (eg. speakers, tv,
/ standing, tables etc?	camera, lighting etc)
5. Please provide a seating layout, if a seated area	
Please provide a poker machine layout, if the area is an	
outdoor gaming area.	13. Is the preference to mount directly on the wall/ ceiling
6. How much of the area do you want to heat - all or	
only part?	
	Once this information has been received, it will be
	forwarded to the Bromic Technical Department and a heating proposal with available options and a
7. What type of heating is needed? - that is, do you	suggested heater layout will be provided.
want to remove the chill from the air for occupants to utilize the area for short periods or create a comfort-	
able environment to ensure people stay out for long	
periods?	
	22
	1



PLATINUM SMART-HEATTM ELECTRIC

Top quality performance and the looks to match



Soft, radiant heat and an ultra-thin design – the Platinum Smart-Heat® Electric complements the atmosphere of any residential or commercial environment.

The Platinum Smart-Heat® Electric provides soft, radiant heat. One or more heaters can be switched on and off simultaneously from a single remote-located switch.





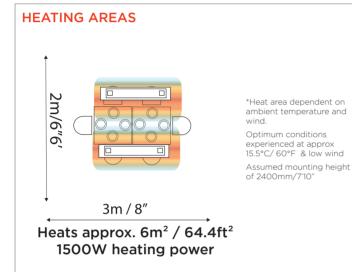


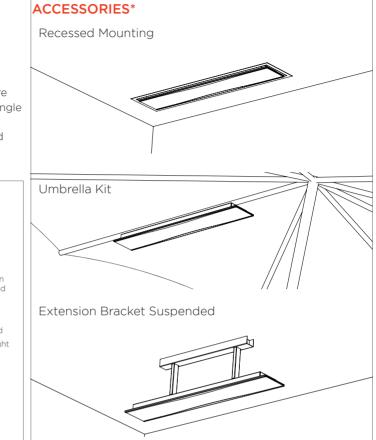




FEATURES

- 1500W/1.5KW Output
- Ultra Thin and Stylish
- Efficient Directional Spot Heating
- Bracket allows for 60 degrees of motion top to bottom
- IPX 5 and wind resistant
- Can be integrated into smart control systems. One or more units can be switched on and off simultaneously from a single remote located switch.
- Multiple Mounting Options Wall, Ceiling, Pole Suspended and Recessed Mounting





*All accessories sold separately

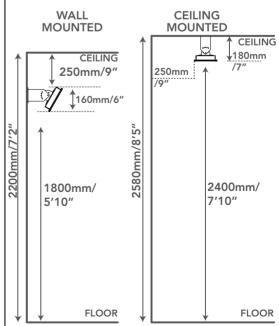




6.37

Side Profile: Slim and streamlined with attractive black face

RECOMMENDED INSTALLATION CLEARANCES



SPECIFICATIONS

*Must only be installed by a licensed technician, Not available in U.S

Heat Output (Watts)	1500W
Finish	Stainless Steel High-temperature Coating
Power connection (Volts/Amps)	240V /6.5Amp
Dimensions excluding bracket WxDxHmm	960 x 40 x 162mm 37.79" x 1.57" x 6.37"
Approx. Weight (kg)	6.2kg / 13.66lb

10



TUNGSTEN SMART-HEAT[™] ELECTRIC

An infrared electric heater blending aesthetics and function



Tungsten Smart-Heat[™] Electric 2000W (2kW)



Tungsten Smart-Heat[™] Electric 3000W (3kW)

reauest



Standard Colours

Matte Black

Tungsten Smart-Heat[™] Electric Tungsten Smart-Heat[™] Electric 4000W (4kW) 6000W (6kW)

Matte White

The Tungsten Smart-Heat™ Electric is stylishly designed to provide efficient directional heating for commercial and residential locations.

Available in 4 models of varying heating power and compatible with smart control systems to enable precise dimming control. Included are wall and ceiling mounting brackets to allow adjustable angle of the heating direction with simple one-touch on/ off switch.

Heaters are equipped with a spectral reflector for excellent radiant heat output.



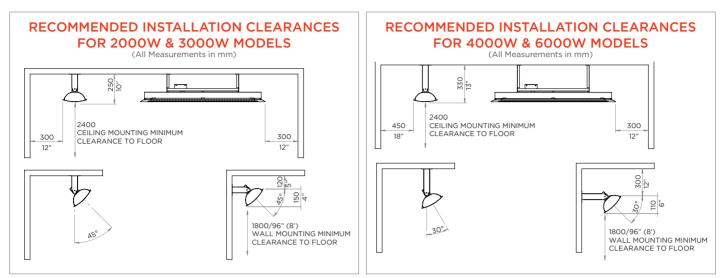




FEATURES:

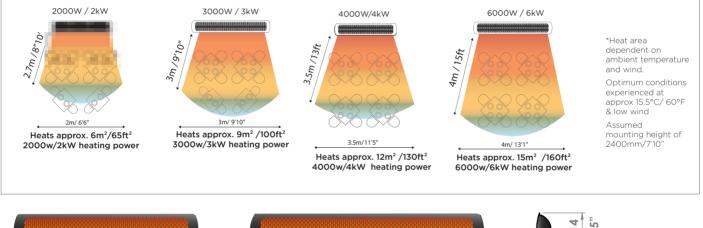
- Elements emit a low intensity glow designed to add a subtle ambience to any outdoor environment.
- High temperature coating with an elongated design to provide a larger and wider heat area.
- Adaptable to a range of applications, with four models of varying • heating power - in both black and white.
- Ideal for wall or ceiling mounting.
- Spectral reflector to increase radiant heat output, plus a half power dimmer to save energy when possible.
- Easy to follow instructions for uncomplicated installation using existing infrastructure.





*Alternatively, short mounting brackets can be used for wall mounting of the 4000w & 6000w models to position the heater closer to the wall. Short mounting brackets must be purchased separately.

HEATING AREAS





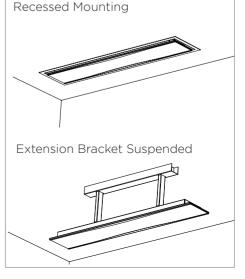
SPECIFICATIONS				
	2000W	3000W	4000W	6000W
No. of Elements	Single element	Single element	Double element	Double element
Bracket Length	164mm / 6.5"	164mm / 6.5"	244mm / 9.5"	244mm / 9.5"
Power (Watts)	2000W	3000W	4000W	6000W
Approximate area heated (m²) (Mounting height of 2400mm/7'10")	up to 6m²/ up to 65ft²	up to 9m²/ up to 100ft²	up to 12m²/ up to 130ft²	up to 15m²/ up to 160ft²
Power connection required (Volts/Amps)	230 V / 8.3 A/ 220 V / 9 A	230 V / 12.5 A/ 220 V / 13.6 A	230 V / 16.6 A/ 220 V / 18.1A	230 V / 25 A/ 220 V / 27.2A
Dimension (WxDxHmm)	1117 x 214 x 86mm/ 44" x 8.5" x 3.5"		/ 1117 x 214 x 86mm/ 44" x 8.5" x 3.5"	1410 x 214 x 86mm/ 56" x 8.5" x 3.5"
Minimum Mounting height requirement to ground		2400mm/7'10" / V 96" (8') / Wall Mour)mm
Weight (kg)	9kg/19.8lb	10kg/22lb	9kg/19.8lb	10kg/22lb
Finish	Black/White High	Temperature Coating)	

*Must only be installed and serviced by a licensed and authorised technician.

Product manual must be read before installing or servicing this product.

International patent pending and design registered by BROMIC HEATING Pty Ltd, a member of the Bromic Group of companies.

ACCESSORIES





TUNGSTEN SMART-HEATTM PORTABLE

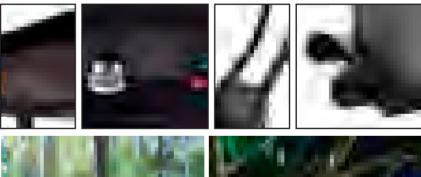


A new era in portable gas heating

The Tungsten Smart-Heat™ Portable Gas Radiant Heater is the synthesis of cutting edge design, world-first engineering, and practical functionality.

Consistent with Bromic Heating's vision for industry innovation, the Tungsten Smart-Heat[™] Portable takes relocatable gas heating to the next level with its efficiency and effectiveness unparalleled in today's market.













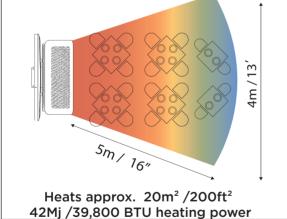
FEATURES

- Heat Output: With coverage of up to 20m²/200ft², the Tungsten Smart-Heat™ Portable delivers a widespread heat field of up to 3.6m/12ft wide and 4.5m/15ft deep.
- Versatility: Unique and patented adjustable heat control ensures comfortable heat.
- Efficiency: High intensity ceramic burner, delivering optimal heat with minimal heat loss.
- Wind Resistance: Specifically built to provide constant and consistent heat in any environment at wind speeds up to 12km/h (7.5mph).
- Directional Heat: Innovative adjustable tilting head ensures warmth goes exactly where it is needed.
- Modular Design: Functional and pragmatic, the Tungsten Smart-Heat™ Portable can easily be assembled, dismantled and stored.
- Maneuverability: Anti-tilt structure with built-in wheels for easy movement.
- Soft Touch Ignite: Battery activated repetitive spark ignition.





HEATING AREAS

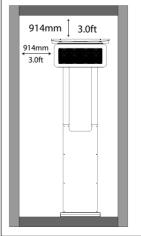


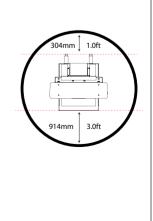
"Heat area dependent on ambient temperature and wind. Optimum conditions experienced at approx 60°F & low wind 2164mm / 7'

SPECIFICATIONS

Ignition	1.5V repetitive spark ignitor
Adjustable Heat Output	34 Mj - 40.6 Mj / 21,300 BTU - 38,500 BTU
Gas Type	LPG/Propane
Gas Supply	Gas Cylinder not included
Weight (excluding cyclinder)	56 Kg/123.5 lbs
Safety features	Flame Failure & Anti-Tilt Safety Device
Gas supply pressure	2.75 kPa / 11"wc

MINIMUM INSTALLATION CLEARANCES





BRÖMIC



MAINTENANCE AND CARE:

GAS

The heaters are constructed using stainless steel and high temperature coated paint to ensure maximum life in the outdoor environment. To maximize the life of the heater it is important that frequent cleaning is performed and appropriate care is taken.

Bromic recommends the following:

Where heaters are not positioned under full cover, always install with the corresponding Bromic heat shield and clean according to Bromic instructions. Clean the heater weekly during regular use and at least monthly when not in use. In a salt-air environment, such as near the ocean, cleaning is recommended more frequently. Heaters must not be cleaned with cleaners that are combustible or corrosive.

To clean effectively, Bromic recommends the following:

• Rinse and clean all exposed stainless steel surfaces with fresh water and dry thoroughly with a clean soft cloth.

• PLATINUM GAS ONLY : Apply 3M[™] stainless steel cleaner and polish to protect the stainless steel from corrosion (NOTE:Cleaner should not be applied on any internal heater components or any other parts which come into direct contact with flame).

• Remove the heater from the bracket in the summer months and store away in a dry protected area (NOTE: removal of the heater requires disconnection of electrical and gas supply. ONLY authorized technicians are permitted to carry out this task.)

• Do not apply any additional surface coating to the heaters under any circumstances. Use of additional coating other than those applied during manufacture could result in hazardous reactions such as toxic fumes or fires. Additional coatings will void the warranty.

ELECTRIC HEATERS

- Ensure there is no excessive build-up of dirt/dust on the reflector surfaces of the heater.
- Ensure heater is not on, cool to touch and wipe off any dirt/dust with a soft & dry cloth

SERVICING

Bromic outdoor radiant heaters require regular servicing to maintain efficient operation. The heaters are used on a cyclical basis however are exposed to the external elements continuously (both during periods of use and whilst remaining idle). Regular servicing is therefore required to ensure trouble free operation. All maintenance should be carried out ONLY by authorised service personnel. Servicing is recommended at the commencement of each winter season and more frequently in adverse conditions.

Please refer to the installation manual for the standard Bromic servicing instructions.

WARRANTY

Tungsten Portable heaters	12 months back to base
Platinum gas heaters	12 months parts & labour
Tungsten gas heaters	12 months parts & labour
Platinum electric heaters	12 months replacement
Tungsten electric heaters	12 months replacement

For full warranty conditions, please refer to the back page for the installation instruction and service manual for each heater or contact our customer service team.



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