

challenge[®]

2KW

Fan Heater

Model No.: NT20-20A

USER MANUAL

9416200



This product is only suitable for well insulated spaces or occasional use.
This appliance is intended for household use only and not for commercial or industrial use.

SAFETY INSTRUCTION



1. **Warning:** In order to avoid overheating, do not cover the heater.
2. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
3. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
4. The heater must not be located immediately below a socket-outlet.
5. Do not use this heater in the immediate surroundings of a bath, a shower or a swimming pool.
6. Children of less than 3 years should be kept away unless continuously supervised.
Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
7. **CAUTION — Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.**

8. The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge , unless they have been given supervision or instruction. Children being supervised not to play with the appliance.

9. Do not use this heater if it has been dropped. Use this heater on a horizontal and stable surface.

WARNING: Do not use this heater in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.

WARNING: To reduce the risk of fire, keep textiles, curtains, or any other flammable material a minimum distance of 1 m from the air outlet.

10. Do not use if there are visible signs of damage to the heater.



Recycling electrical products:

You should now recycle your waste electrical goods and in doing so help the environment. This symbol means an electrical

product should not be disposed of with normal household waste.

Please ensure it is taken to a suitable facility for disposal.

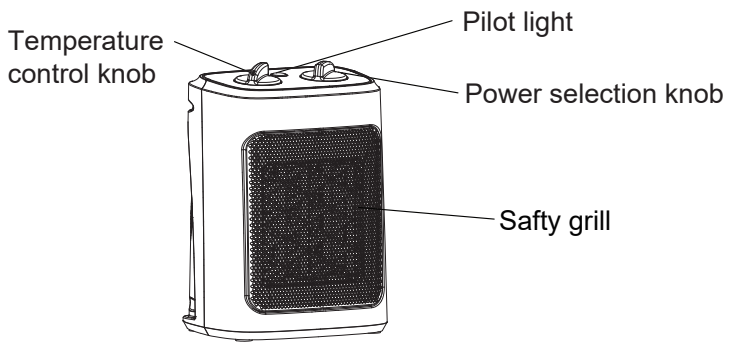
Visit www.recycle-more.co.uk click on "bank locator" and enter your postcode to find your nearest recycling site.

- To avoid any risk of overloading your plug socket, the use of an extension lead with this appliance is not recommended.

- Never overload an extension lead by plugging in appliances that together will exceed the maximum current rating stated for the extension lead. This could cause the plug in the wall socket to overheat and possibly cause a fire.

- If using an extension lead, check the current rating of the lead before plugging appliances into it and do not exceed the maximum rating.





OPERATING INSTRUCTION

Check before turning on the machine

1. Check if the power wire is under good condition.
2. The product adopts 220-240V AC power supply, before use, please confirm if the rated current of the power socket meets the local requirements with safe grounding device, otherwise, please replace it with the qualified socket.

Put the machine on the flat place

Uneven place may possibly cause the turnover switch at abnormal position, then the heater can't work after turning on, therefore, please put the heater on the flat place, at least the surface below the base of the heater must be flat.

Temperature Control Knob

Insert the plug into the power socket, then turn the Temperature Control knob clockwise, when hearing the "pop" sound (it means the temperature controller is on), adjust the Temperature Control knob to the desired temperature level.

Power Selection Knob

Turn the Power selection knob to select between 4 functions: Fan only, Low 900W (LOW), MIDDLE 1300W (MIDDLE), High 2000W (HIGH).

Turn off the Heater

- A. Turn the Power selection knob to OFF position.
- B. Turn the Temperature Control knob anticlockwise to the initial position.
- C. Remove the power plug, store the heater after the entire machine has become cool.

Safety Protection

1. Overheat protection: When the temperature in the heater is too high due to abnormality in the use environment or improper use, the thermostat device can automatically cut off the power and the heater stops working. After the whole heater is cooling, the heater can return to the normal use after removing the abnormality.

2. Inversion protection: When the whole heater is inverted, the safety system will automatically cut off the power, and return to the work state before inversion after the body is placed upright.

SAFETY CONTROL

Your heater is fitted with a safety device "Double Protector" that (1) switches off the heater by thermal cut-off in the event of overheating or malfunction, It will reset while the temperature reduce to a normal level. (2) Shuts off the heater by thermal fuse in the event of overheating or malfunction and not operates by some other accidental reason.

If overheating or malfunctions continue, return the heater to an Approved Service Agent for examination.

The most common cause of overheating is deposits of dust or fluff entering the heater, Ensure these deposits are removed regularly by unplugging the unit and vacuum cleaning air vents and front grille.

This heater cannot achieve accurate temperature control of the enviroment, and thus cannot be used as insulation device for storage environment, items, animals and plants.

PILOT LIGHT

This fan heater is equipped with a pilot light that glows whenever the heater is plugged in and turned on. It will continue to glow even if the thermostat has cycled the heating elements off. This feature is to prevent you from being unaware that the heater is operating and maintaining the temperature of the room.

When you do not wish the heater to control the room temperature, turn the control switch to O (off) and remove the plug from the electrical outlet.

Troubleshooting

If the product does not operate or does not operate properly, first check according to the following list. If the reason the product does not operate or does not operate properly is not included in the following list, the product mayhave failed. At this time, it is recommended to send the product to the dealer or the Media Service Center for treatment.

| Problem | Possible Cause | Solution |
|--|---|--|
| After the power is engaged, the pilot light does not illuminate and the machine does not work. | The plug may not be plugged well. | Check whether the plug is properly inserted into the receptacle. |
| | The temperature control knob is not turned in place. | Check whether the temperature control knob is turned to the ON position. |
| The machine suddenly stops during heating. | The temperature exceeds the threshold of the thermal cut-off. | Cool the machine before use. |

Information requirement for the electric local space heaters

| Model identifier(s):9416200 | | | | | |
|-----------------------------------|---|-------|------|--|------|
| Item | Symbol | Value | Unit | Item | Unit |
| Heat output | | | | Type of heat input, for electric storage local space heaters only (select one) | |
| Nominal heat output | P _{nom} | 2.000 | kW | manual heat charge control, with integrated thermostat | No |
| Minimum heat output (indicative) | P _{min} | 1.000 | kW | manual heat charge control with room and/or outdoor temperature feedback | No |
| Maximum continuous heat output | P _{max, c} | 2.000 | kW | electronic heat charge control with room and/or outdoor temperature feedback | No |
| Auxiliary electricity consumption | --- | --- | --- | fan assisted heat output | No |
| At nominal heat | e _{lmax} | N/A | kW | Type of heat output/room temperature control (select one) | |
| At minimum heat | e _{lmin} | N/A | kW | single stage heat output and no room temperature control | No |
| In standby mode | e _{lSB} | 0.000 | kW | Two or more manual stages, no room temperature control | No |
| | | | | with mechanic thermostat room temperature control | Yes |
| | | | | with electronic room temperature control | No |
| | | | | electronic room temperature control plus day timer | No |
| | | | | electronic room temperature control plus week timer | No |
| | | | | Other control options (multiple selections possible) | |
| | | | | room temperature control, with presence detection | No |
| | | | | room temperature control, with open window detection | No |
| | | | | with distance control option | No |
| | | | | with adaptive start control | No |
| | | | | with working time limitation | No |
| | | | | with black bulb sensor | No |
| Contact details | Produced in (China). Argos Limited, 489-499 Avebury Boulevard, Milton Keynes, MK9 2NW. Argos (N.L.) Ltd, Forestside Shopping Centre, Upper Galwally, Belfast, United Kingdom, BT8 6FX, Argos Distributors (Ireland) Limited, Unit 7, Ashbourne Retail Park, Ballybin Road, Ashbourne, County Meath, Ireland | | | | |

Test Data

Commission Regulation (EC) No 1275/2008 Requirement

| Mode | Ecodesign requirements, from 7 January 2013 | Result - Remark | Verdict |
|--------------|--|-----------------|---------|
| Off mode | Power consumption in 'off mode' : Power consumption of equipment in any off-mode condition shall not exceed 0.50 W | 0 W | P |
| Standby mode | Power consumption in 'standby mode(s)' : The power consumption of equipment in any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function, shall not exceed 0.50 W. | 0 W | P |
| | The power consumption of equipment in any condition providing only information or status display, or providing only a combination of reactivation function and information or status display shall not exceed 1.00 W. | | N/A |

Seasonal space heating energy efficiency

| Description | Value |
|--|--------|
| Seasonal space heating energy efficiency in active mode- η | 40% |
| For electric local space heaters- η | 100% |
| The electric to primary energy 'conversion coefficient-CC | 2.5 |
| correction factor accounting for a positive contribution to the seasonal space heating energy efficiency of electric storage local space heaters due to adjusted contributions for options for heat storage and output; and a negative contribution to seasonal space heating efficiency for commercial local space heaters due to adjusted contributions for options for the heat output-F(1) | 0% |
| correction factor accounting for a positive contribution to the seasonal space heating energy efficiency due to adjusted contributions of controls of indoor heating comfort, the values of which are mutually exclusive, cannot be added to each other-F(2) | 6.00% |
| correction factor accounting for a positive contribution to the seasonal space heating energy efficiency due to adjusted contributions of controls for indoor heating comfort the values of which can be added to each other-F(3) | 0% |
| correction factor accounting for a negative contribution to the seasonal space heating energy efficiency by auxiliary electricity consumption-F(4) | 0% |
| correction factor accounting for a negative contribution to the seasonal space heating energy efficiency by energy consumption of a permanent pilot flame-F(5) | 0% |
| Seasonal space heating energy efficiency- η | 36.00% |
| Verdict | P |

CLEANING AND MAINTENANCE INSTRUCTION

1. Light accumulated dust may be removed from the heater with a soft cloth. Wipe the exterior surfaces of the heater occasionally with a cloth moistened (not dripping wet) with a solution of mild detergent and water. Dry the case thoroughly with a soft dry cloth before operating the heater.
2. The fan motor is lubricated by the factory, and will require no further lubrication.
3. No other user maintenance is required or recommended. If service is required, send your heater to the nearest authorized service depot.
4. Store heater in a clean and dry place when not in use.

REMEMBER - portable electric heaters are designed for spot heating, or as a supplementary heat source. They are not intended to be main sources of heat during the normal heating season.

Note: There may be trace of smoke or odour when unit is first operated. Do not be on the heating coil during the manufacturing process. It will quickly evaporate, and should not re-occur.



PRODUCT GUARANTEE

This product is guaranteed against manufacturing defects for a period of



Year

This product is guaranteed for twelve months from the date of original purchase.

Any defect that arises due to faulty materials or workmanship will either be replaced, refunded or repaired free of charge where possible during this period by the dealer from whom you purchased the unit.

The guarantee is subject to the following provisions:

- The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items.
- The product must be correctly installed and operated in accordance with the instructions contained in this manual. A replacement copy of this instruction manual can be obtained from www.argos-support.co.uk
- It must be used solely for domestic purpose.
- The guarantee will be rendered invalid if the product is re-sold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- The manufacturer disclaims any liability for the incidental or consequential damages.
- The guarantee is in addition to, and does not diminish your statutory or legal rights.

Guarantor: Argos Limited, 489-499 Avebury Boulevard,
Milton Keynes, MK9 2NW.

[Argos \(N.I.\) Ltd, Forestside Shopping Centre,
Upper Galwally, Belfast, United Kingdom, BT8 6FX.](http://www.argos-support.co.uk)

Argos Distributors (Ireland) Limited,
Unit 7, Ashbourne Retail Park, Ballybin Road,
Ashbourne, County Meath, Ireland
www.argos-support.co.uk