POWRMATIC®

Delivering complete climate control solutions worldwide

The new ultra low NOx cabinet heater delivering exceptional performance and efficency.

**The new Powrmatic CX.**

# CX

## Warm Air Cabinet Heater Range

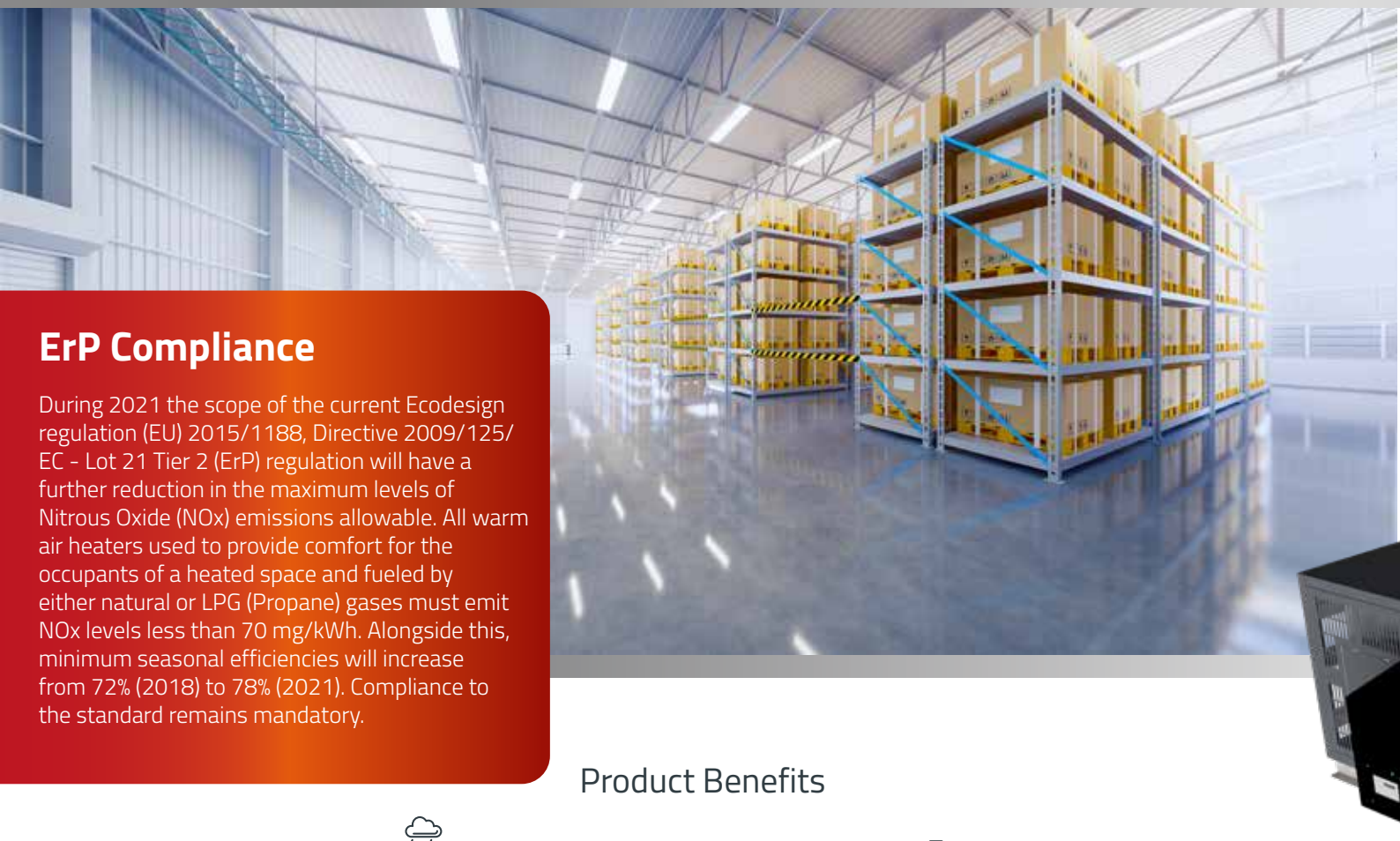
Natural Gas (G20)


ErP2021
READY PRODUCT
FROM POWRMATIC

ErP Ready

www.powrmatic.co.uk

# **CX** Warm Air Cabinet Heater



## ErP Compliance

During 2021 the scope of the current Ecodesign regulation (EU) 2015/1188, Directive 2009/125/EC - Lot 21 Tier 2 (ErP) regulation will have a further reduction in the maximum levels of Nitrous Oxide (NOx) emissions allowable. All warm air heaters used to provide comfort for the occupants of a heated space and fueled by either natural or LPG (Propane) gases must emit NOx levels less than 70 mg/kWh. Alongside this, minimum seasonal efficiencies will increase from 72% (2018) to 78% (2021). Compliance to the standard remains mandatory.

## Product Benefits

- REDUCED NOx TECHNOLOGY
- EXTERNAL WEATHER PROOF OPTIONS
- RANGE OF kW OUTPUTS
- VERTICAL OR HORIZONTAL OPTION
- EASY SERVICE ACCESS
- FACTORY FITTED CONTROLS

# Efficency. Performance. Compliance.

Powrmatic's ErP 2021-compliant CX range of cabinet-type heaters combines installation versatility with a range of kW outputs to match the most stringent applications. The new CX features the new modulating ultra-low NOx INVERTERJET® from BURNERTECH making it the perfect choice for businesses and industries looking to reduce their carbon footprint.

The range can be installed in the heated space, be sited in plant rooms and specified for either vertical or horizontal installation. The CX EA range can also be specified for external applications.

The CX heaters are equipped with fully adjustable air distribution nozzle heads to give the ability to direct warmed air within the heated space. Duct outlet CX can be specified with different external static pressures to give maximum versatility for air handling type installations.

### Models Available Heading

- CX UF - Upright Freeblowing
- CX UD - Upright Ducted

WAREHOUSES ▪ FACTORIES ▪ GARAGE WORKSHOPS ▪ DISTRIBUTION / LOGISTIC CENTRES

# Product Features

## Extensive kW Output Range

With ten outputs ranging from 30kW through to 300kW in both vertical and horizontal arrangement. Internal and external design and free blowing or ducted supply air.

## Adjustable Heat Distribution

Horizontal and upright free blowing cabinet heaters are supplied with fully adjustable air distribution nozzle heads with variable louvers giving the ability to direct the heated air where its needed.

## Horizontal Models

CX versatility is enhanced with the availability of horizontal types for applications where space and air direction is specific.


## Burner Technology

Powrmatic working alongside market leading burner manufacturer Burnertech now utilise a pre-fitted and tested low NOx, fully enclosed modulating "Inverterjet" burner as standard. All heaters are set to run on Natural Gas only.

## Reduced NOx Emissions

ErP 2021 regulations demand reduced NOx and increased seasonal efficiency, CX meets these standards by utilising state of the art burners, air movement and control technology whilst maintaining the temperature rises required in cabinet heater installations.

## External Weatherproof Models

CX is available as an external (EA) version. Where the recirculated supply air is contaminated or there is a fresh air requirement as is often the case in garage and heavy industrial settings these types can be installed outside and ducted into the area to be served.

## Fitted & Pre Tested Burner And Control

All CX are supplied with a fitted and tested burner. MC200V3 optimum start and stop fuel saver controls will be either pre fitted or supplied remote according to the model specified, other control options and strategies are available to suit particular applications. MC200 fuel saver controls are fitted as standard to internal upright cabinets. Horizontal and external models have controls supplied loose, optional controls can be accommodated when required.

## Approvals CE

CX heaters are type tested and CE approved. In addition, CX heaters made available to the market 2021 onwards comply with the requirements of the Directive 2009/125/EC - Lot 21 Tier 2 (ErP) regulations.

# Technical Specification

CX

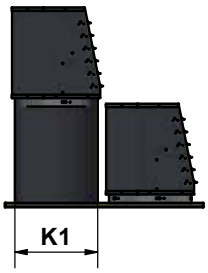
| Model | | | | 30 | 45 | 60 | 90 | 120 | 150 | 175 | 200 | 250 | 300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Output | | High Fire (max) | kW | 30.3 | 45.9 | 59.2 | 89.6 | 119.2 | 148.5 | 173.0 | 197.8 | 250.4 | 297.6 |
| | | Low Fire (min) | kW | 10.6 | 15.9 | 20.9 | 30.9 | 39.8 | 58.5 | 60.2 | 65.8 | 83.7 | 99.5 |
| Input (nett CV) | | High Fire (max) | kW | 32.7 | 50.4 | 64.1 | 99.4 | 128.2 | 162.1 | 185.2 | 212.5 | 267.0 | 320.0 |
| | | Low Fire (min) | kW | 10.8 | 16.5 | 21.3 | 31.8 | 40.5 | 60.1 | 61.5 | 67.1 | 85.2 | 102.4 |
| NOx Seasonal (Gross) | | | mg/kWh | 46 | 39 | 38 | 39 | 38 | 64 | 34 | 39 | 29 | 33 |
| Seasonal Space Heating Energy Eff | | | % $\eta$s,h | 78.3% | 78.3% | 79.2% | 79.8% | 80.2% | 79.3% | 80.0% | 80.4% | 80.2% | 79.8% |
| Airflow | Volume | | $m^3/s$ | 0.6 | 0.9 | 1.0 | 1.7 | 1.9 | 2.7 | 3.2 | 3.5 | 4.0 | 5.0 |
| | Heads | UF / HF | No. | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | Size | mm | 203 | 254 | 254 | 254 | 305 | 305/358 | 358 | 406 | 457 | 457 |
| | Throw | UF / HF | m | 15 | 21 | 19 | 24 | 24 | 29 | 29 | 29 | 41 | 48 |
| | Fan Static | Standard | Pa | 400 | 350 | 290 | 320 | 350 | 320 | 330 | 330 | 350 | 380 |
| | | Uprated LHP | Pa | n/a | | 450 | 590 | 600 | 700 | 500 | 500 | 550 | 600 |
| Electrics | Standard Fan | Motor | kW | 0.55 | 0.55 | 0.55 | 1.4 | 1.4 | 2.2 | 3.0 | 3.0 | 3.0 | 5.5 |
| | | Supply | V/ph/Hz | 230/1/50 | | | | | | 400/3/50 | | | |
| | | Run | amp | 4.0 | 5.0 | 4.0 | 7.5 | 10 | 4.2 | 5.0 | 6.0 | 6.0 | 9.5 |
| | | Start | amp | 12 | 15 | 12 | 28 | 30 | 15 | 15 | 20 | 20 | 22 |
| | Optional Std Fan | Supply | V/ph/Hz | n/a | | | | | 400/3/50 | n/a | | | |
| | | Run | amp | | | | | | 11.5 | | | | |
| | | Start | amp | | | | | | 12.6 | | | | |
| | Uprated Fan (L.H.P.) | Motor | kW | n/a | | 1.5 | 2.2 | 3.0 | 4.0 | 4.0 | 4.0 | 5.5 | 7.5 |
| | | Supply | V/ph/Hz | | | 230/1/50 | | | 400/3/50 | | | | |
| | | Run | amp | | | 8.0 | 10 | 15 | 5.0 | 6.0 | 7.0 | 8.0 | 13.8 |
| | | Start | amp | | | 24 | 30 | 40 | 16 | 19 | 21 | 25 | 42 |
| | Optional L.H.P Fan | Supply | V/ph/Hz | n/a | | 400/3/50 | | | n/a | | | | |
| | | Run | amp | | | 3.0 | 3.2 | 5.8 | | | | | |
| | | Start | amp | | | 10 | 10 | 20 | | | | | |
| Fuel | Connection | | BSP/Rc | ½" | ½" | ½" | ½" | ¾" | ¾" | 1" | 1" | 1" | 1" |
| | Minimum Inlet Pressure | | mbar | 17.5 | | | | | | | | | |
| | Consumption (nominal) | | $m^3/h$ | 3.45 | 5.33 | 6.77 | 10.51 | 13.56 | 17.13 | 19.59 | 22.47 | 28.23 | 33.83 |
| Overall Dimensions | UF Upright Freeblowing | max Height (incl. heads) | mm | 2005 | 2005 | 2476 | 2567 | 2821 | 2821 | 3053 | 3140 | 3272 | 3272 |
| | | Width | mm | 669 | 669 | 744 | 744 | 904 | 904 | 904 | 904 | 1104 | 1104 |
| | | Depth (no burner) | mm | 732 | 732 | 927 | 927 | 1200 | 1200 | 1399 | 1399 | 1599 | 1599 |
| | | Depth (with burner) | mm | 1083 | 1083 | 1278 | 1278 | 1640 | 1640 | 1839 | 1839 | 2039 | 2039 |
| Installation Clearances | UF Upright Freeblowing | Front | mm | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| | | Side | mm | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| | | Blank Side | mm | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| | | Rear | mm | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Flue Diameter | | | mm ø | 130 | 130 | 150 | 150 | 150 | 180 | 180 | 180 | 200 | 200 |
| Combustion Air Spigot | | | mm ø | 130 | 130 | 130 | 130 | 130 | 150 | 150 | 150 | 150 | 150 |
| Noise Level (see Note Below) | | | dB(A) | 55 | 60 | 60 | 62 | 69 | 61 | 72 | 73 | 74 | 76 |
| Nett Weight (see Note Below) | | | kg | 168 | 173 | 231 | 241 | 341 | 386 | 530 | 530 | 556 | 556 |
| **Model** | | | | **30** | **45** | **60** | **90** | **120** | **150** | **175** | **200** | **250** | **300** |

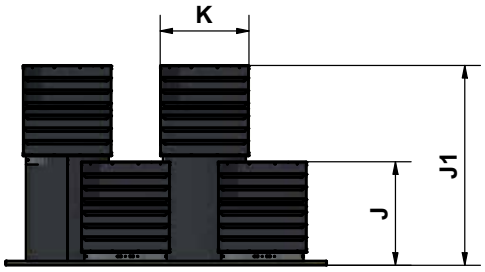
Notes –

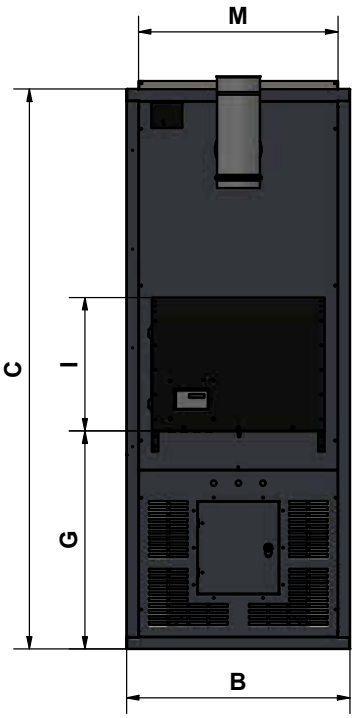
- Fuel consumption and output figures based upon nett calorific values as follows
  - Natural gas (G20) nett CV 34.02 $MJ/m^3$
- CXG heaters comply with the seasonal efficiency and NOx limits requirements of the Ecodesign regulation (EU) 2015/1188, Directive 2009/125/EC – Lot 21 Tier 1
- Air handling data is assessed at room ambient conditions
- Throw figures provide the distance to the point where the terminal velocity degrades to 0.25 m/s
- Overall vertical heater height include heads or extended heads where appropriate
- Standard height heads can be specified where site height is restricted
- Blank and louvred lower side panels are interchangeable
- Dimensions in table above refer to upright heaters only - for horizontal and counterflow heater dimensions refer to dimensions page
- Noise levels are applicable to standard UF models and are measured 5m from appliance and in free field conditions
- Motor kW, run and start amps apply to standard electrical supply as stated. For optional data contact sales office
- Nett weight figures apply to standard upright CXG heaters only
- It is the responsibility of the installing contractor to ensure that ductwork is correctly sized and balanced when installing a ducted unit.

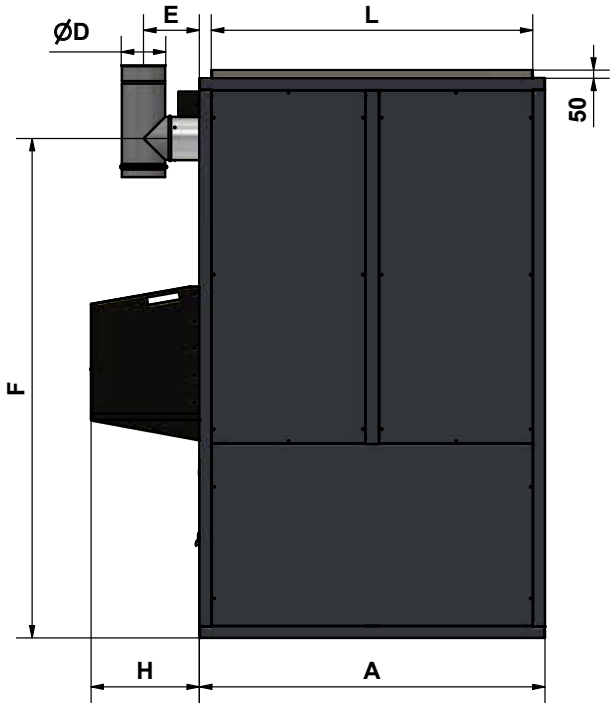
# Dimensions

## CX UD/UF Upright Free Blowing Upright Ducted (30-300)



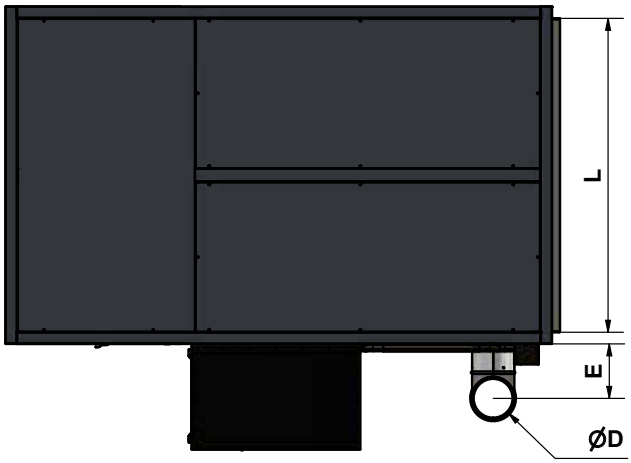

| Model | | 30 | 45 | 60 | 90 | 120 | 150 | 175 | 200 | 250 | 300 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A | mm | 732 | 732 | 927 | 927 | 1200 | 1200 | 1399 | 1399 | 1599 | 1599 |
| B | mm | 669 | 669 | 744 | 744 | 904 | 904 | 904 | 904 | 1104 | 1104 |
| C | mm | 1767 | 1767 | 1895 | 1895 | 2149 | 2149 | 2265 | 2265 | 2265 | 2265 |
| D | mm ø | 125 | 125 | 150 | 150 | 150 | 175 | 175 | 175 | 200 | 200 |
| E | mm | 150 | 150 | 150 | 150 | 150 | 200 | 200 | 200 | 240 | 240 |
| F | mm | 1535 | 1535 | 1661 | 1661 | 1923 | 1923 | 2021 | 2021 | 2021 | 2021 |
| G | mm | 683 | 683 | 748 | 748 | 864 | 864 | 883 | 883 | 927 | 927 |
| H | mm | 351 | 351 | 351 | 351 | 440 | 440 | 440 | 440 | 440 | 440 |
| I | mm | 340 | 340 | 340 | 340 | 540 | 540 | 540 | 540 | 540 | 540 |
| J | mm | 238 | 238 | 238 | 340 | 340 | 340 | 400 | 442 | 558 | 558 |
| J1 | mm | N/A | N/A | 581 | 672 | 672 | 672 | 788 | 875 | 1007 | 1007 |
| K | mm | 180 | 234 | 234 | 287 | 287 | 287 | 333 | 381 | 431 | 431 |
| K1 | mm | N/A | N/A | N/A | N/A | 333 | 333 | N/A | N/A | N/A | N/A |
| L | mm | 632 | 632 | 824 | 824 | 1100 | 1100 | 1299 | 1299 | 1499 | 1499 |
| M | mm | 568 | 568 | 644 | 644 | 804 | 804 | 804 | 804 | 1004 | 1004 |
| | Head Plan | 1 | 1 | 2 | 2 | 3a | 3a | 3b | 3b | 3b | 3b |

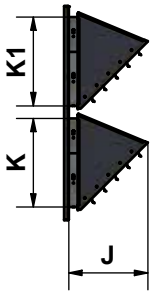
**Notes -**

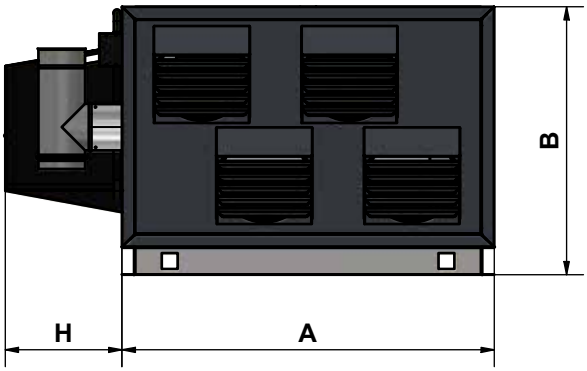
- Flue tee provided as standard.

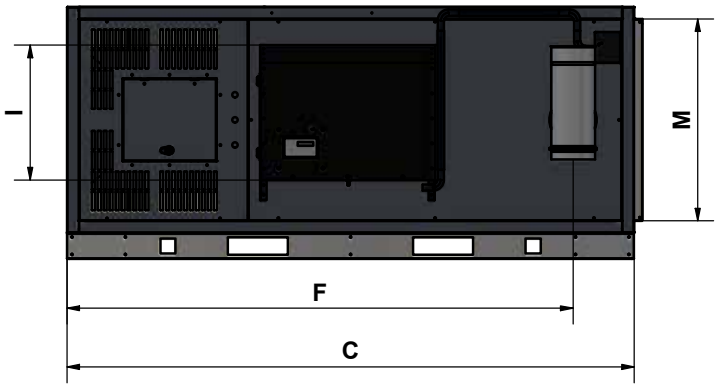
# Dimensions

## CX HF/HD Horizontal Free Blowing Horizontal Ducted (30-300)




| Model | | 30 | 45 | 60 | 90 | 120 | 150 | 175 | 200 | 250 | 300 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A | mm | 732 | 732 | 927 | 927 | 1200 | 1200 | 1399 | 1399 | 1599 | 1599 |
| B | mm | 819 | 819 | 894 | 894 | 1054 | 1054 | 1054 | 1054 | 1254 | 1254 |
| C | mm | 1767 | 1767 | 1895 | 1895 | 2151 | 2151 | 2265 | 2265 | 2265 | 2265 |
| D | mm ø | 125 | 125 | 150 | 150 | 150 | 175 | 175 | 175 | 200 | 200 |
| E | mm | 150 | 150 | 150 | 150 | 150 | 200 | 200 | 200 | 240 | 240 |
| F | mm | 1535 | 1535 | 1661 | 1661 | 1923 | 1923 | 2021 | 2021 | 2021 | 2021 |
| H | mm | 351 | 351 | 351 | 351 | 440 | 440 | 440 | 440 | 440 | 440 |
| I | mm | 340 | 340 | 340 | 340 | 540 | 540 | 540 | 540 | 540 | 540 |
| J | mm | 227 | 227 | 260 | 260 | 260 | 260 | 297 | 297 | 367 | 367 |
| K | mm | 180 | 234 | 234 | 287 | 287 | 287 | 333 | 381 | 431 | 431 |
| K1 | mm | N/A | N/A | N/A | N/A | 333 | 333 | N/A | N/A | N/A | N/A |
| L | mm | 632 | 632 | 824 | 824 | 1100 | 1100 | 1299 | 1299 | 1499 | 1499 |
| M | mm | 569 | 569 | 644 | 644 | 804 | 804 | 804 | 804 | 1004 | 1004 |
| Head Plan | | 1 | 1 | 2 | 2 | 3a | 3a | 3b | 3b | 3b | 3b |

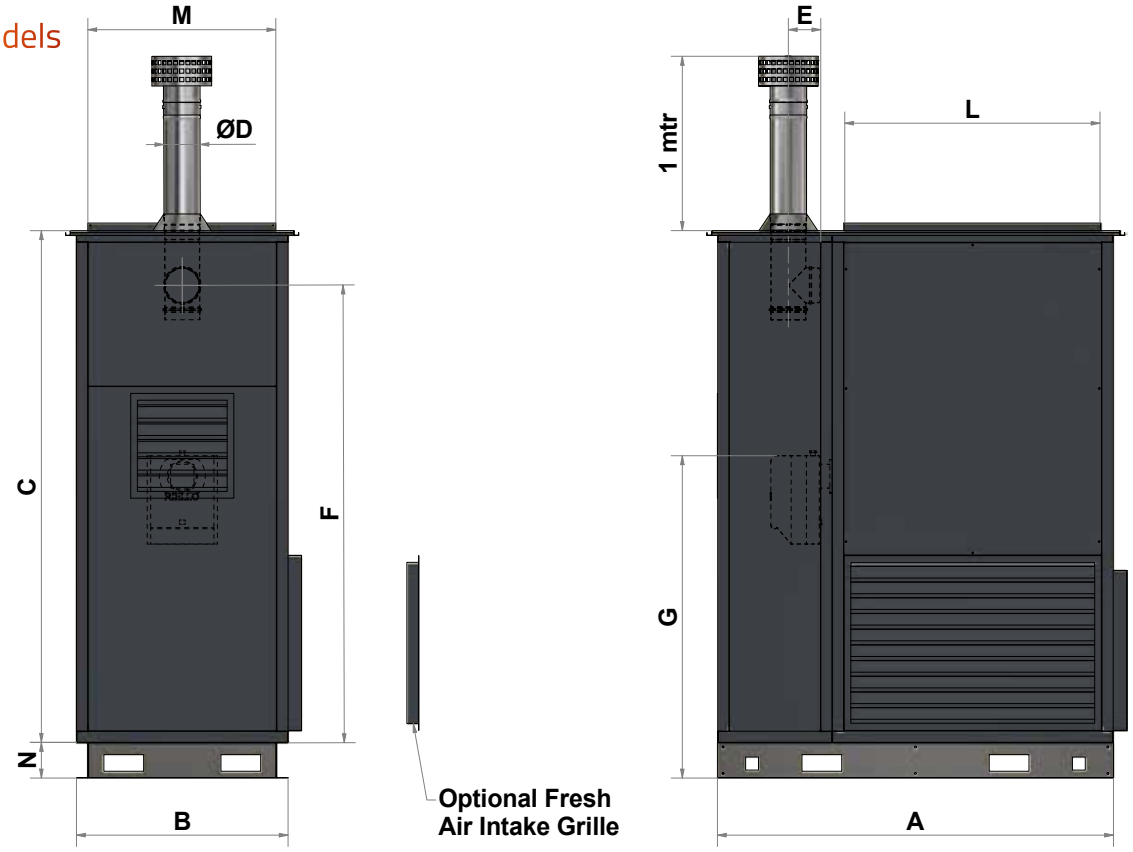
**Notes:**

- Flue tee provided as standard.
- Screened air intake (SAI) fitted as standard on HF models. Duct spigot option available.
- Direction of airflow to be specified at time of order. Left to Right (L-R when looking at the burner) airflow shown above.

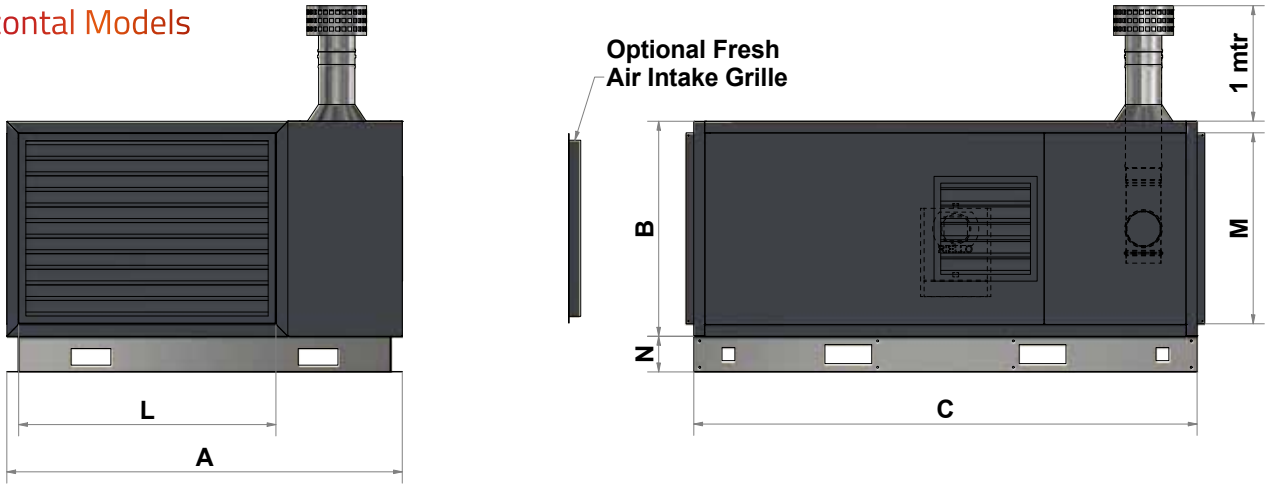
# Dimensions

## CX -EA External Cabinet Heaters (30-300)

### Upright Models




### Horizontal Models




| Model | | | 30 | 45 | 60 | 90 | 120 | 150 | 175 | 200 | 250 | 300 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | All | mm | 1184 | 1184 | 1379 | 1379 | 1692 | 1692 | 1891 | 1891 | 2280 | 2280 |
| B | All | mm | 669 | 669 | 744 | 744 | 904 | 904 | 904 | 904 | 1104 | 1104 |
| C | All | mm | 1767 | 1767 | 1895 | 1895 | 2149 | 2149 | 2265 | 2265 | 2265 | 2265 |
| D | All | mm ø | 130 | 130 | 150 | 150 | 150 | 180 | 180 | 180 | 200 | 200 |
| E | All | mm | 150 | 150 | 150 | 150 | 150 | 200 | 200 | 200 | 240 | 240 |
| F | All | mm | 1535 | 1535 | 1661 | 1661 | 1923 | 1923 | 2021 | 2021 | 2021 | 2021 |
| G | All | mm | 864 | 864 | 944 | 944 | 1122 | 1122 | 1122 | 1122 | 1122 | 1122 |
| L | Duct Spigot | mm | 632 | 632 | 824 | 824 | 1100 | 1100 | 1299 | 1299 | 1499 | 1499 |
| M | | mm | 569 | 569 | 644 | 644 | 804 | 804 | 804 | 804 | 1004 | 1004 |
| N | All | mm | 125 | 125 | 125 | 125 | 150 | 150 | 150 | 150 | 150 | 150 |

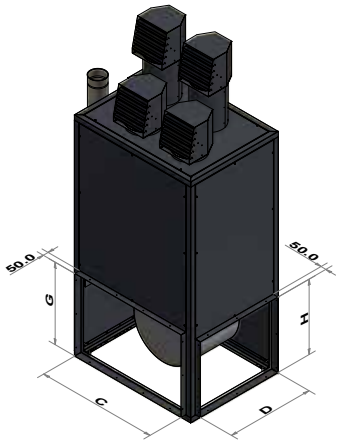
**Notes:**

- Direction of airflow for horizontal heaters to be specified at time of order. Left to right (when looking at burner) airflow shown above.
- Inlet and Outlet duct spigots have the same dimensions (Horizontal units only).
- Primary flue length, cowl and flashing provided as standard.

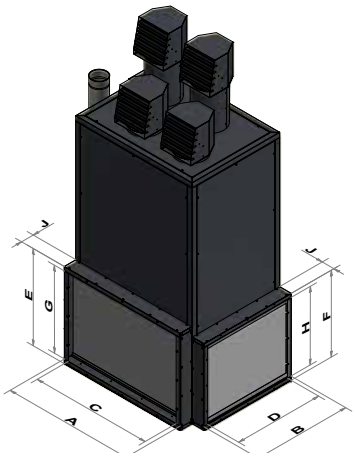
# Accessories

CX

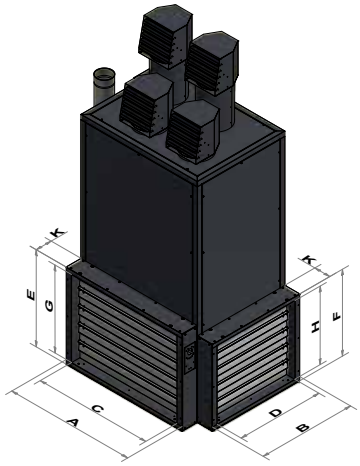
## Side/Rear Inlet Spigots




## Filters




## Dampers



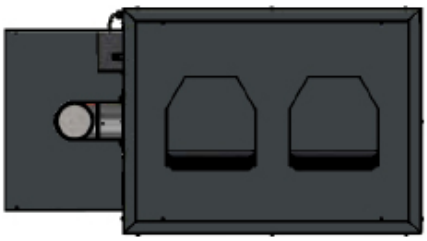

| Model | | | 30 | 45 | 60 | 90 | 120 | 150 | 175 | 200 | 250 | 300 | 360 | 440 | 590 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | All | mm | 732 | 732 | 927 | 927 | 1200 | 1200 | 1399 | 1399 | 1599 | 1599 | 1915 | 2165 | 2715 |
| B | All | mm | 669 | 669 | 744 | 744 | 904 | 904 | 904 | 904 | 1105 | 1105 | n/a | n/a | n/a |
| C | All | mm | 630 | 630 | 825 | 825 | 1098 | 1098 | 1300 | 1300 | 1500 | 1500 | 1815 | 2065 | 2615 |
| D | All | mm | 567 | 567 | 642 | 642 | 802 | 802 | 802 | 802 | 1003 | 1003 | n/a | n/a | n/a |
| E | All | mm | 685 | 685 | 738 | 738 | 838 | 838 | 838 | 838 | 838 | 838 | 865 | 965 | 1265 |
| F | All | mm | 627 | 627 | 677 | 677 | 775 | 775 | 775 | 775 | 775 | 775 | n/a | n/a | n/a |
| G | All | mm | 585 | 585 | 640 | 640 | 738 | 738 | 738 | 738 | 738 | 738 | 765 | 865 | 1165 |
| H | All | mm | 527 | 527 | 577 | 577 | 675 | 675 | 675 | 675 | 675 | 675 | n/a | n/a | n/a |
| J | All | mm | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 250 | 250 | 250 |

**Notes:**

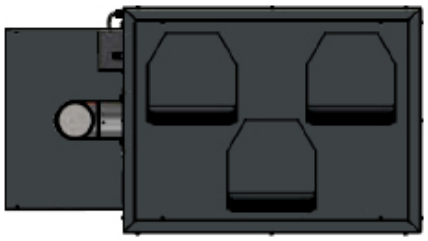
- All spigot dimensions are outside dimensions
- Vertical units shown - for horizontal units please contact our sales office
- EU1 Standard filter specification is 10ppi (parts per inch)
- Higher specification filters available on request - contact our Technical Support team for more information
- Standard dampers are manual operation - motorised options available
- Installer guidance notes on rear page

# Head Plan Options

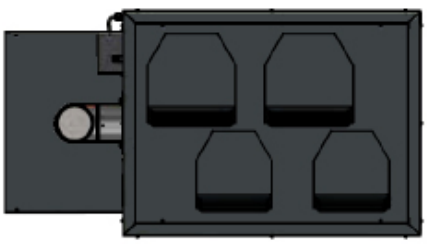
### Head Plan 1 (30 & 45)



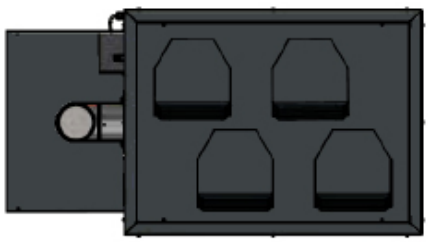
### * Head Plan 2 (60 & 90)



### Head Plan 3a (120 & 150)



### Head Plan 3b (175, 200, 250 & 300)



** head plan 2 cannot be inverted, as one head is required directly over the limit stat*

## General
The following notes are provided as a guide, however installers and users should fully acquaint themselves with the more detailed guidance provided in the relevant Installation, Operation and Maintenance Manual. For copies of manuals please consult our technical department or visit our website - www.powrmatic.co.uk

## Standards
CX and CX EA heaters must be installed, commissioned and operated with due regard to appropriate regulations including but not limited to BS 6230 2005, BS5410 1998, relevant Codes of Practice, the possible requirements of Local Authorities, Fire Officers and insurers as well as the Installation, Operation and Maintenance Manuals.

## Position & Location
CX Heaters should be installed on a level non-combustible base. Horizontal heaters can be suspended. It is important that all supporting structures or methods of suspension have due regard to the relevant weight loadings.

External heaters are specifically designed for outside locations and should not be installed within partially enclosed areas or under canopies which may restrict the operation of the heater or evacuation of flue gases. If an external heater is to be located in any area which is partially or fully enclosed then it is recommended that you consult our technical department.

Consideration should also be given to flue routes and points of exit, gas, electrical and where applicable control connections, the throw characteristics of the heater, issues of public access and in the instance of remote temperature sensors the position necessary to be representative of the zone temperature to which they refer.

Heaters should not be installed in hazardous areas or areas where there is a foreseeable risk of flammable or corrosion inducing particles, gases or vapours being drawn into the combustion air or main fan circuits.

Areas where special consideration or advice may be required could include but is not limited to -

- Where de-greasing solvents are present, even in minute concentrations
- Where paint spraying is carried out
- Where styrenes or other laminating products are used
- Where foam products are moulded, cut or fabricated
- Where airborne silicone is present
- Where petrol engined vehicles are stored or maintained
- Where dust is present (ie wood working or joinery shops)
- Where high levels of extract persist

Installation in such areas may be possible under specific conditions. Please consult our technical department or your local sales manager for further information.

## Plant Room or Enclosure Locations
Specific requirements exist where heaters are to be installed in a plant room or enclosure. Such requirements include the provision of positive ductwork connections as well as ventilation for combustion air and general ventilation. It is recommended that you consult with our technical department or your local area sales manager for further guidance.

## Combustion Air & General Ventilation
Within the United Kingdom mandatory regulations apply concerning the provision of combustion air and general heater ventilation. Where a heater is installed within the heated space and where that heated space has a natural ventilation rate greater than 0.5 air changes per hour then combustion air and general heater ventilation is probably not required.

If the heated space has a natural ventilation rate of less than 0.5 air changes per hour then either natural ventilator openings or mechanical ventilation will be required. Please consult the Installation, Operation and Maintenance Manual for further details

External heaters located in unrestricted outside areas will generally source combustion air from the surroundings and as such no additional requirements should be necessary.

## Installation Clearances
Particular clearances may be necessary for the correct and safe function of the heater as well as for maintenance purposes. Such clearances are confirmed in the relevant Installation, Operation and Maintenance Manual

## Flue
CX heaters are supplied with a 90° flue tee that has a flue gas analysis sample point. For internally located heaters each heater requires a separate flue system of the appropriate size. The flue should essentially be installed in the vertical plane and the number of bends kept to a minimum.

The flue must be adequately supported and terminated with a suitable cowl, with due regard to the point of exit and it's proximity to any windows, doors or ventilation intakes.

External heaters are supplied complete with a primary flue section and cowl which provides the direct discharge of flue gases directly to atmosphere. Care should be taken to ensure that the flue discharge is not in anyway restricted or the exit point such that flue gases can enter a building.

If the application requires it may be possible to extend the flue of external heaters to enable the point of discharge to be repositioned. However should this be necessary then the diameter of flue must not be less than stated in the data sections of this brochure.

## Pipework
Care should be taken when sizing pipework to ensure that minimum gas pressures are not compromised under dynamic load conditions. Isolating valves and service unions should be provided for each heater and pipework installed with due regard for relevant standards and Codes of Practice.

## Ductwork
CX heaters can be fitted with distribution ductwork and/or inlet or return air duct connections. Installers must ensure that the combined duct resistances, including grilles, filters, dampers or other ductwork components are balanced to closely match the static pressure as shown on page 4 of this brochure. Insufficient or excessive duct resistance will compromise the performance of the heater. Please consult our technical department or your local area sales manager for further guidance.

## Guarantee
Powrmatic CX heaters are provided with a comprehensive guarantee covering both the heater and the heat exchanger. For United Kingdom sales the heater has the benefit of a two year parts and one year labour guarantee whilst the heat exchanger assembly has a ten year time related warranty. All guarantees are subject to terms and conditions.


**TIME RELATED HEAT EXCHANGER WARRANTY**

# About Us

Powrmatic design, develop and deliver HVAC solutions worldwide across a wide range of commercial and industrial applications creating comfortable and safe environments, differentiated through innovation, integrity, compliance and service.

Our specialised HVAC divisions:

**Heating**

Industrial and commercial warm air and radiant space heating solutions manufactured to achieve efficient performance, compliance and reliability for every application in partnership with the HVAC trade.

**Ventilation**

Custom designed highly efficient, cost-effective smoke, natural and powered ventilators manufactured to meet project requirements of building operators, architects, specifiers and contractors.

**Air Conditioning**

Worldwide distributors of innovative wall mounted heat pumps air conditioner technology providing efficient comfort cooling and heating all year round.

**Engineered Products**

Bespoke heating and ventilation solutions designed to serve individual customers specific project requirements. In addition our OEM products provide partner AHU manufacturers with high quality energy efficient gas fired heat exchangers.

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