



S E R I E S 6 0 0 F A N C O N V E C T O R



Welcome  
to the  
**Comfort zone**

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### ORDER CODES

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| Size | Nominal output kW | Casing size mm   |
|------|-------------------|------------------|
| 06   | 3                 | 590 x 590 x 250  |
| 12   | 6                 | 1190 x 590 x 250 |
| 18   | 8                 | 1790 x 590 x 250 |

## IDENTIFICATION

The Series 600 fan convector heater by Dunham-Bush is the ideal heating solution where wall space is not available and surface mounted ceiling units cannot be used. The unit is specifically designed for integration with ceiling grid applications such as in schools, colleges, offices, libraries and commercial properties. They are elegant in design but built to the same robust quality that is typical of all Dunham-Bush products.

Series 600 fan convectors are high level heaters, designed to integrate within a typical lay-in tile 600x600 ceiling system, but can also be installed into solid plasterboard ceilings or similar with an optional finishing trim. They provide warm air heating when used with low or medium temperature hot water.

The standard finish is a white polyester powder coating to RAL 9010 30% gloss to grilles and casing. Accessories include remote automatic controls, as well as user switches which can be fitted or remote and access panels which are lockable to prevent tampering with the heater.

Dunham-Bush maintain exceptional standards in engineering and quality, operating a quality system that is assessed and registered to BS EN ISO 9001 : 2015

## DESCRIPTION

### Composition

Each Series 600 fan convector comprises a sheet metal casing fitted with extruded aluminium alloy grilles and lockable access panel. The casing contains a fan/motor assembly, air filter, hot water heating coil or electric heating element.

Heaters are supplied for single or dual fan speed operation with conventional AC motors or with energy efficient EC motors. Single speed heaters are set to low, medium or high speed. Dual speed heaters are set to low/medium, low/high or medium/high speeds.

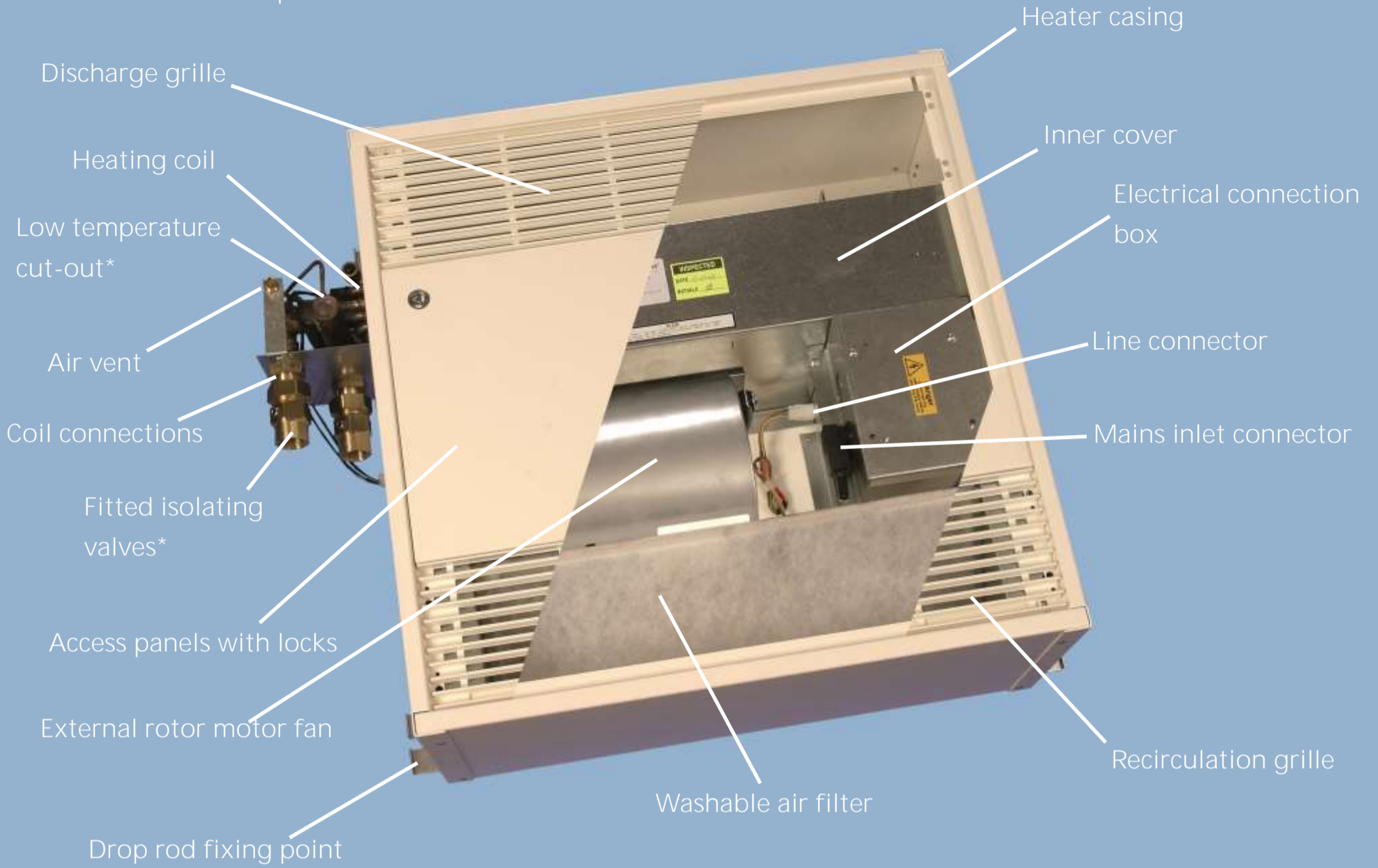
Fan control is by means of internal or remote switches, and/or remote air thermostats, listed in the accessories section. There are also options for 24V enable and speed change relays for group (master/slave) control or BMS control systems

### Range

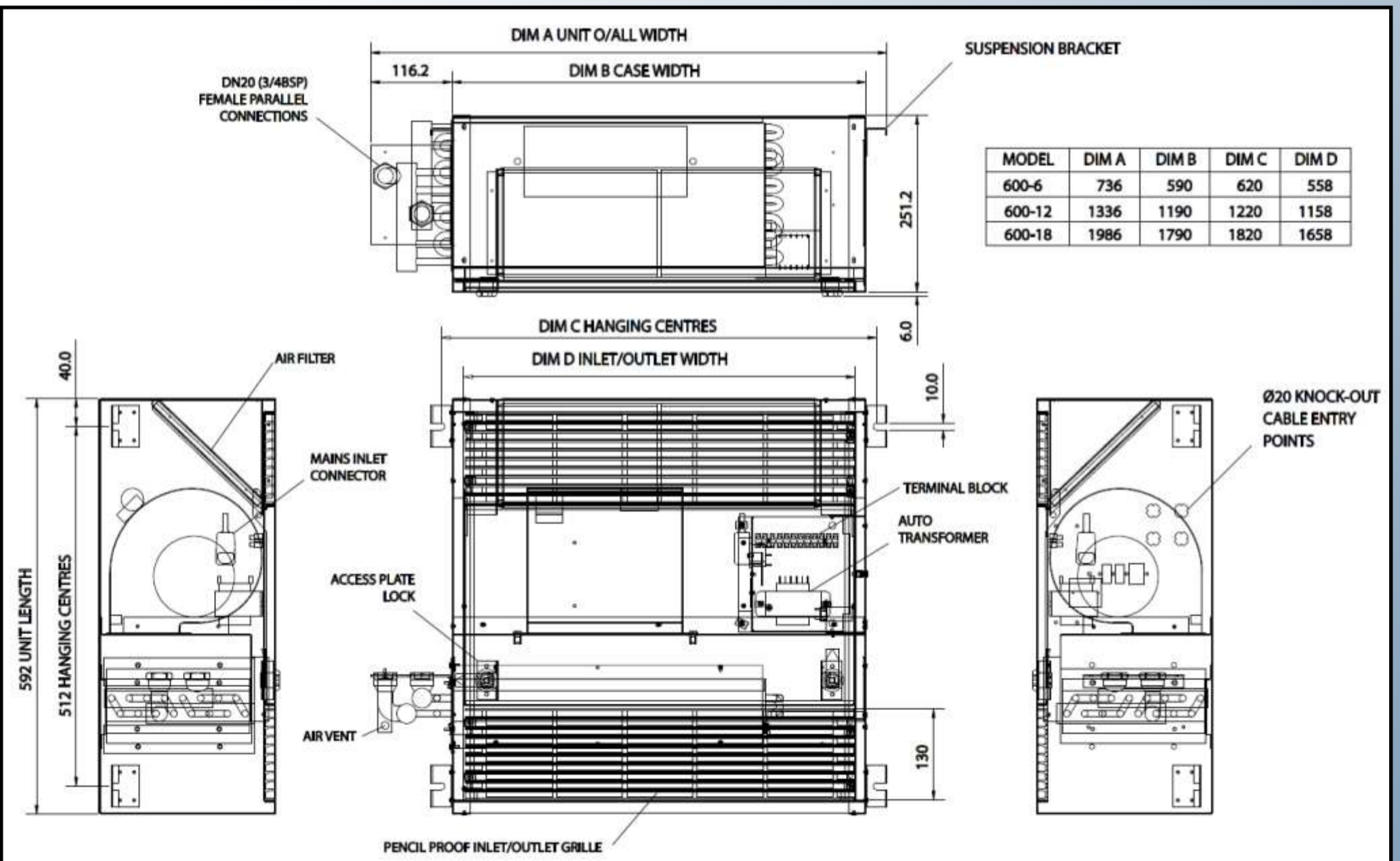
The range consists of nominal sizes 600x600mm, 600x1200mm and 600x1800mm model, available in left or right hand. These are available with 3 types of LPHW heating coil or 1-6kW single stage electric heating elements.

# FEATURES & DIMENSIONS

Items marked \* are optional accessories



Size 06 heater with left hand connections (right hand opposite)



## ACCESSORIES

### Remote air thermostats

Thermostats can be standard user control or tamperproof. Remote air thermostats can be provided to automatically switch the heater on and off and to change the fan speed/heat output, in response to a fall or rise in ambient air temperature.

Note: Control options for electric heating are limited by EU legislation. Refer to Dunham-Bush.

### Low-limit thermostat

A low limit thermostat cut out (LTC) can be provided to prevent the heater operating until the heating medium is up to a sufficient temperature for the unit to operate effectively. This thermostat will automatically stop the heater at the end of the normal operating period, when the boiler plant closes down.

Type 3, adjustable setting low limit thermostat, range 30 to 90°C.

If supplied, Type 3 is wired into the control circuit and stored inside of the heater casing, for clamping to the LTHW flow pipe by the installer.

### Switches

Fitted internal or remote switches can be provided to switch the heater on/off, to change speed, to allow thermostats to work automatically and to override the LTC (if fitted). The **override "manual" switch allows the fans to circulate room air when the boiler plant is shut down during the summer.**

### Fitted switches

1. On/off
2. High/off/low,
3. Manual/off/auto,
4. Manual/off/auto and high/low.

### Remote switches-surface or flush mounting

1. On/off,
2. High/off/low,
3. Manual/off/auto,
4. Manual/off/auto and high/low.

### Fitted isolating valves

DN20 (3/4" BSP) isolating ball valves complete with ground faced unions or gate valves can be fitted external to the casework, directly to the flow and return connections of the heating coil.



Remote programmable thermostat and timeclock.



Remote on/off or high/low fan speed thermostat.



Tamperproof on/off or high/low speed thermostat

## PERFORMANCE

Heat outputs (kW), air volume flow rates (l/s), leaving air temperatures (°C), hydraulic resistances (kPa)

Conditions: LPHW 80/70°C, entering air temperature 18°C.

| Size | Coil type | Low speed |     |    |      | Medium speed |     |    |      | High speed |     |    |      |
|------|-----------|-----------|-----|----|------|--------------|-----|----|------|------------|-----|----|------|
|      |           | kW        | l/s | °C | kPa  | kW           | l/s | °C | kPa  | kW         | l/s | °C | kPa  |
| 06   | WA2       | 2.80      | 81  | 47 | 0.73 | 3.16         | 91  | 47 | 0.91 | 3.73       | 117 | 44 | 1.25 |
| 12   | WA2       | 6.43      | 160 | 51 | 1.99 | 7.02         | 174 | 51 | 2.33 | 8.46       | 219 | 50 | 1.24 |
| 18   | WA2       | 7.23      | 176 | 52 | 2.62 | 8.08         | 197 | 52 | 1.29 | 11.17      | 281 | 51 | 2.36 |

| Size | Coil type | Low speed |     |    |      | Medium speed |     |    |      | High speed |     |    |      |
|------|-----------|-----------|-----|----|------|--------------|-----|----|------|------------|-----|----|------|
|      |           | kW        | l/s | °C | kPa  | kW           | l/s | °C | kPa  | kW         | l/s | °C | kPa  |
| 06   | WA1       | 2.28      | 81  | 41 | 0.50 | 2.58         | 91  | 41 | 0.63 | 3.06       | 117 | 40 | 0.86 |
| 12   | WA1       | 4.52      | 160 | 41 | 1.02 | 4.97         | 174 | 42 | 1.21 | 6.03       | 219 | 41 | 1.76 |
| 18   | WA1       | 5.15      | 176 | 42 | 1.37 | 5.80         | 197 | 42 | 1.72 | 7.99       | 281 | 42 | 1.26 |

| Size | Coil type | Low speed |     |    |      | Medium speed |     |    |      | High speed |     |    |      |
|------|-----------|-----------|-----|----|------|--------------|-----|----|------|------------|-----|----|------|
|      |           | kW        | l/s | °C | kPa  | kW           | l/s | °C | kPa  | kW         | l/s | °C | kPa  |
| 06   | WA3       | 4.23      | 81  | 61 | 1.58 | 4.37         | 91  | 61 | 1.95 | 5.76       | 117 | 59 | 2.82 |
| 12   | WA3       | 8.40      | 160 | 62 | 1.23 | 9.12         | 174 | 61 | 1.43 | 11.16      | 219 | 60 | 2.09 |
| 18   | WA3       | 9.45      | 176 | 63 | 1.73 | 10.55        | 197 | 62 | 2.12 | 14.70      | 281 | 61 | 3.95 |

Heat outputs (kW) and current load (A) for electric heating (230V/1ph/50Hz)

| Sizes      | Electric heating element | Output | Load (A) |
|------------|--------------------------|--------|----------|
| 06, 12, 18 | E10                      | 1kW    | 4.3      |
| 06, 12, 18 | E20                      | 2kW    | 8.6      |
| 06, 12, 18 | E30                      | 3kW    | 13.0     |
| 12, 18     | E40                      | 4kW    | 17.4     |
| 12, 18     | E50                      | 5kW    | 21.7     |
| 12, 18     | E60                      | 6kW    | 26.0     |

For electric heating, leaving air temperature can be calculated from the equation:

Leaving air temperature (°C) = Entering air temperature (°C) + [815 x heat output (kW) / air flow rate (l/s)]

Leaving air temperatures greater than 60°C are not recommended; a higher speed (air flow rate) is recommended

Electrical Data for AC motors

Fan voltage (V AC), airflow rate (l/s), running current (A) and specific fan power (W/l/s)

| Size | Low speed |     |     |       | Medium speed |     |     |       | High speed |     |     |       |
|------|-----------|-----|-----|-------|--------------|-----|-----|-------|------------|-----|-----|-------|
|      | V AC      | l/s | A   | W/l/s | V AC         | l/s | A   | W/l/s | V AC       | l/s | A   | W/l/s |
| 06   | 110       | 81  | 0.4 | 0.62  | 120          | 91  | 0.4 | 0.66  | 150        | 117 | 0.6 | 0.77  |
| 12   | 90        | 160 | 0.8 | 0.44  | 100          | 174 | 0.8 | 0.48  | 120        | 219 | 0.9 | 0.55  |
| 18   | 100       | 176 | 0.8 | 0.48  | 110          | 197 | 1.0 | 0.52  | 150        | 281 | 1.2 | 0.65  |

Electrical Data for EC motors

Fan voltage (V DC), airflow rate (l/s), running current (A) and specific fan power (W/l/s)

| Size | Low speed |     |     |       | Medium speed |     |     |       | High speed |     |     |       |
|------|-----------|-----|-----|-------|--------------|-----|-----|-------|------------|-----|-----|-------|
|      | V DC      | l/s | A   | W/l/s | V DC         | l/s | A   | W/l/s | V DC       | l/s | A   | W/l/s |
| 06   | 4.6       | 81  | 0.1 | 0.16  | 5.4          | 91  | 0.2 | 0.20  | 7.6        | 117 | 0.4 | 0.34  |
| 12   | 5.2       | 160 | 0.3 | 0.19  | 5.8          | 174 | 0.4 | 0.22  | 7.5        | 219 | 0.7 | 0.34  |
| 18   | 4.4       | 176 | 0.3 | 0.15  | 4.9          | 197 | 0.3 | 0.17  | 7.3        | 281 | 0.8 | 0.31  |

## CORRECTIONS FACTORS FOR WA1, WA2 & WA3 HEATING COILS

| Mean Water (°C) | Entering air temperature (°C) | Water temperature drop across coil |           |        |           |        |           |        |           |
|-----------------|-------------------------------|------------------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|
|                 |                               | 5K                                 |           | 10K    |           | 15K    |           | 20K    |           |
|                 |                               | Output                             | Hyd. res. | Output | Hyd. res. | Output | Hyd. res. | Output | Hyd. res. |
| 40              | 0                             | 0.69                               | 1.92      | 0.59   | 0.35      | -      | -         | -      | -         |
|                 | 18                            | 0.34                               | 0.47      | 0.24   | 0.06      | -      | -         | -      | -         |
|                 | 20                            | 0.30                               | 0.36      | 0.21   | 0.03      | -      | -         | -      | -         |
| 45              | 0                             | 0.78                               | 2.46      | 0.71   | 0.50      | -      | -         | -      | -         |
|                 | 18                            | 0.44                               | 0.79      | 0.33   | 0.11      | -      | -         | -      | -         |
|                 | 20                            | 0.40                               | 0.65      | 0.30   | 0.09      | -      | -         | -      | -         |
| 50              | 0                             | 0.88                               | 3.08      | 0.82   | 0.68      | -      | -         | -      | -         |
|                 | 18                            | 0.54                               | 1.17      | 0.44   | 0.20      | -      | -         | -      | -         |
|                 | 20                            | 0.50                               | 1.02      | 0.40   | 0.16      | -      | -         | -      | -         |
| 55              | 0                             | 0.98                               | 3.84      | 0.93   | 0.87      | -      | -         | -      | -         |
|                 | 18                            | 0.65                               | 1.66      | 0.58   | 0.33      | -      | -         | -      | -         |
|                 | 20                            | 0.61                               | 1.48      | 0.54   | 0.29      | -      | -         | -      | -         |
| 60              | 0                             | 1.08                               | 4.68      | 1.04   | 1.09      | -      | -         | -      | -         |
|                 | 18                            | 0.75                               | 2.23      | 0.70   | 0.49      | -      | -         | -      | -         |
|                 | 20                            | 0.71                               | 2.05      | 0.66   | 0.44      | -      | -         | -      | -         |
| 65              | 0                             | 1.18                               | 5.53      | 1.14   | 1.30      | 1.10   | 0.54      | -      | -         |
|                 | 18                            | 0.84                               | 2.83      | 0.80   | 0.65      | 0.74   | 0.24      | -      | -         |
|                 | 20                            | 0.80                               | 8.59      | 0.77   | 0.59      | 0.70   | 0.22      | -      | -         |
| 70              | 0                             | 1.27                               | 6.44      | 1.24   | 1.54      | 1.20   | 0.64      | 1.16   | 0.37      |
|                 | 18                            | 0.94                               | 3.51      | 0.90   | 0.81      | 0.85   | 0.32      | 0.81   | 0.14      |
|                 | 20                            | 0.90                               | 3.23      | 0.86   | 0.75      | 0.81   | 0.29      | 0.76   | 0.12      |
| 75              | 0                             | 1.37                               | 7.47      | 1.34   | 1.78      | 1.31   | 0.75      | 1.26   | 0.40      |
|                 | 18                            | 1.03                               | 4.25      | 1.00   | 1.00      | 0.96   | 0.41      | 0.90   | 0.20      |
|                 | 20                            | 0.99                               | 3.95      | 0.96   | 0.93      | 0.92   | 0.38      | 0.86   | 0.18      |
| 80              | 0                             | 1.46                               | 8.55      | 1.43   | 2.05      | 1.40   | 0.87      | 1.37   | 0.47      |
|                 | 18                            | 1.13                               | 5.07      | 1.10   | 1.20      | 1.06   | 0.50      | 1.02   | 0.26      |
|                 | 20                            | 1.09                               | 4.47      | 1.06   | 1.12      | 1.03   | 0.47      | 0.98   | 0.24      |
| 85              | 0                             | -                                  | -         | 1.53   | 2.33      | 1.50   | 1.00      | 1.47   | 0.54      |
|                 | 18                            | -                                  | -         | 1.19   | 1.42      | 1.16   | 0.60      | 1.13   | 0.32      |
|                 | 20                            | -                                  | -         | 1.16   | 1.34      | 1.13   | 0.56      | 1.09   | 0.30      |
| 90              | 0                             | -                                  | -         | 1.62   | 2.64      | 1.60   | 1.14      | 1.57   | 0.62      |
|                 | 18                            | -                                  | -         | 1.29   | 1.66      | 1.26   | 0.71      | 1.23   | 0.38      |
|                 | 20                            | -                                  | -         | 1.25   | 1.57      | 1.22   | 0.67      | 1.20   | 0.36      |

Approximate factors for heat output (kW) and hydraulic resistance (kPa), at mean water temperatures (°C), entering air temperatures (°C) and water temperature drops (K) across the coil. Factors may be applied to tables 1, 2 and 3.

| Size | Approx. mass (kg) | Coil capacity (l) |
|------|-------------------|-------------------|
| 06   | 26                | 0.63              |
| 12   | 47                | 1.03              |
| 18   | 57                | 1.25              |

# APPLICATION

## General

Series 600 fan convector heaters are suitable for applications at typical ceiling height, where free suspended heaters with front discharge and re-circulation grilles are desirable.

Having an overall face size of only 590x590mm, 1190x590mm and 1790x590mm, 600 Series fan convectors are designed for direct integration into a 600x600 ceiling grid application, but care should be taken to ensure heaters are sited so that there are no obstructions directly beneath, as this could affect air circulation.

Typical applications include: Schools, Colleges, Elderly Peoples' Homes, Libraries and Offices.

## Selection

It is recommended that heaters are selected to operate at medium speed for general use or at low speed for rooms where noise levels are particularly important. Heaters should only be selected at high speed for non critical applications, such as entrance foyers, corridors etc. or for initial rapid warm up. Sound power levels are available on request.

From the known heat loss of the room to be heated and the operating conditions, select the model and size from the tables of outputs on page 5.

It is recommended that wherever possible, the total volume of the room should be circulated through the sum of the heaters a minimum of three to four times per hour and ideally four to five times per hour.

Whenever possible, heaters should be located near windows or in areas of disproportionately high heat loss. By design, Dunham-Bush fan convector heaters have moderate leaving air temperatures, low outlet velocities and low air throws., To maximise comfort and minimise stratification.

Comfortable conditions throughout the heated space are achieved by good air circulation.

## Optional Ceiling Trim

NOTES:

1. RIGHT HAND UNIT SHOWN, LEFT HAND OPPOSITE.
2. TRIM FRAME MAY BE SUPPLIED LOOSE FOR RETROFIT AT SITE OR FACTORY FITTED, TO BE ADVISED (BY CUSTOMER) AT TIME OF ORDER.
3. TO FIT, SPOT DRILL & FIX USING SELF TAPPING SCREWS SUPPLIED.
4. REFER TO GENERAL DATA FOR MORE DETAILS ON CORE UNIT.

| MODEL  | Part No.    | DIM A |
|--------|-------------|-------|
| 600-06 | 106-007-001 | 692   |
| 600-12 | 106-007-002 | 1292  |
| 600-18 | 106-007-003 | 1892  |

The Series 600 fan convector heaters shall be manufactured by Dunham-Bush Limited, Downley Road, Havant, Hampshire, PO9 2JD. The models, figure numbers and quantities shall be as indicated in the schedule and/or on the drawings. The construction of all units must comply with the following specification.

Series 600 fan convector heaters shall be suitable for a 600x600 ceiling grid application.

### Casing construction

Casings shall be constructed from 1.2mm mild steel panels, adequately stiffened to minimise distortion. Each casing shall have an access panel secured with 1/4 turn locks. The access panel shall be removable within the height of the casing and have safe suspended hinge fixings.

Casings shall be designed with knockouts to provided conduit entry in side and back of the casing.

### Grilles

Discharge and recirculation grilles shall be manufactured from extruded aluminium alloy section.

### Heating coil

Coils shall be constructed from 9.35mm O.D. solid drawn copper tubes, expanded into single plate corrugated aluminium fins and brazed to copper headers. Flow and return connections shall be  $R_p 3/4"$  (**3/4" BSP. female parallel**). Coils less air vents shall be tested to 24 bar gauge. Each coil shall be provided with either a type 1 manual air vent or type 2 automatic air vent, located behind the access panel. Air vent type shall be as specified.

Table 8:  
Site test and working pressures – bar gauge

| Coils fitted with | Max cold test pressure | Max working pressure |
|-------------------|------------------------|----------------------|
| Type 1 air vent   | 10.5                   | 7.0                  |
| Type 2 air vent   | 9.0                    | 7.0                  |

### EC Fan Motors

Fan motors shall be high efficiency, low noise, **electronically commutated '3-core dc', external rotor** type with resilient mounts to minimise noise and vibration. **Winding insulation shall be rated to Class 'B' and bearing shall be 'sealed for life'**. Units require a 200/277V 50 or 60Hz single phase power supply. Each fan shall be DIDW forward curved and shall be statically and dynamically balanced.

### AC Fan/Motor

Fan/motor assemblies shall be high quality low noise combined external rotor motor type, statically and dynamically balanced. Fans shall be double inlet, double width, direct drive, centrifugal type with low noise, forward **curved, multi blade 'tab lock' galvanised steel impellers** housed in galvanised steel scrolls. Motors shall be high efficiency, external rotor type with permanent split capacitors. Bearing shall be sealed for life, maintenance free ball race type with a minimum life expectancy of 50,000 hours under normal operating conditions. Overload protection shall be by way of auto-resetting thermal contactors incorporated into **the winding's. Insulation shall be to Class 'B' with enclosure to IP44** and electrical supply of 230/240V 1ph. 50Hz. Motor wiring shall be complete with a four-way line connection plug and shall be easily removable for maintenance.

### Electrical connections and wiring

Each heater shall be provided with an I.E.C mains inlet connector, fused 2 Amp, with a spare fuse and an IEC mains inlet plug, located behind the access panel. Internal wiring shall be high temperature PVC insulated 16/0.20.

### Auto-transformer (on AC specified motors)

An auto-transformer shall be fitted within the heater casing to provide fan motor speed control. Transformers shall be wired to provide one or two speeds from the range low, medium and high, with integral 24vac secondary winding suitable for controls package.

### Control PCB (on EC/DC specified motors)

An interface control PCB shall be fitted to convert the speed change switches and thermostats switched position into a 0-10V dc input signal to produce the specified fan speeds on page 5.

### Packaging

Each heater shall be properly packed in a carton, marked with the model and figure number, and any other reference specified on the order for site identification.

### Accessories

If specified, accessories listed in the manufacturers Product Catalogue shall be provided.

### Air filter

Air filters shall be washable, bonded polyester type; filters shall be Coarse 30% to ISO 16890 .



## CONSTRUCTION

### Handling

The purchaser is responsible for off loading. Heaters are individually cartoned and two men can usually handle the heaviest heater. When quantities of heaters are delivered, they may be palletised and shrink wrapped, so a fork lift truck or some form of lifting equipment is desirable. Care should be taken to ensure the heaters are not dropped or knocked under any circumstances.

### Storage

Heaters must be stored in clean, dry indoor conditions. Packaging should not be removed until heaters are required for installation, unless damage in transit is suspected.

**Note** - the purchaser must examine the heaters promptly upon receipt and any claims for damage will only be accepted if at the time of delivery, the consignment note is endorsed with a note detailing the damage and counter signed by the transport driver.

Each heater is marked to show the model, figure number, serial number and any reference given on the order for site identification. This information also appears on the consignment note.

### Preparation

Make proper provision for fixings. The structure to which heaters are to be fixed must be fit for purpose and capable of accepting the appropriate fixings. Heater casings are supplied with knockouts in the side for conduit or cable entry.

### Installation details

The access panel can only be removed with the key Provided.

### Pipework connections

**Coil connections are Rp 3/4 (3/4" BSP female parallel).**  
Local isolating and regulating valves are recommended. Observe the correct flow and return positions, to ensure the rated heat output.

### Electrical connections

A 230/240 Volt, single phase 50 Hertz supply must be connected to the IEC mains inlet plug. Any remote accessories must be connected as shown on the wiring diagram supplied with the heater.

Please refer to the instructions supplied with the heater. Additional copies are available on request.

## PRICES & CONDITIONS OF SALE

### Prices

Dunham-Bush Ltd do not issue price lists but will be pleased to supply a written quotation upon request.

### Standard conditions of sale

The standard conditions of sale appear on all quotation and order acknowledgement forms. Additional copies are available upon request.

## SUPPLY

### Availability

Series 600 fan convector heaters are supplied direct from our factory in Havant. The availability varies with demand and should therefore be checked at the time of ordering.

### Packaging

Heaters may be packed individually and/or palletised, depending on quantity. Each heater is marked to show the model, figure number, serial number and any reference given on the order for site identification.

## ORDERING

To allow us to process your order promptly, please refer to any quotation we have supplied and any relevant correspondence. Please send your order to our local representative who provided the quotation.

There are two ways of providing information necessary for us to supply the required heaters,

- A. please photo copy the fan convector description code form and fill in your requirements or,
- B. please advise the following details:
  - 1) Quantity of each model and figure number
  - 2) Left or right hand coil connections, as viewed looking at the discharge grille
  - 3) Air vents manual or automatic
  - 4) Fan speed(s)
  - 5) Details of any accessories required
  - 6) Reference or stencil, for site identification

### Delivery to Site

Series 600 fan convectors are delivered to site in accordance with our Conditions of Sale.

The purchaser is responsible for off-loading and proper safe storage.

## 600 SERIES FAN CONVECTOR DESCRIPTION CODE

| Code posn | Feature                 | Options   |
|-----------|-------------------------|---|
| 1         | Product                 | 600   |
| 2         | Model                   | W - LPHW coil, E - Electric heating elements  |
| 3         | Size                    | 6 - 600 x 600mm, 12 - 600 x 1200mm, 18 - 600 x 1800mm   |
| 4         | Coil connections        | L - left hand, R - right hand   |
| 5         | Coil orientation        | U - universal   |
| 6         | Coil type               | LPHW applications—WA1, WA2 or WA3<br>Electric heating applications—E10, E20, E30, E40, E50, E60   |
| 7         | Air vent                | N - none, M - manual, A - automatic, P - plugged, N - none  |
| 8         | Motor type              | AC - 230V AC motors<br>EC1 - EC motor requiring 2-10V DC speed control<br>EC2 - EC motor with 3 speed potentiometer board                         |
| 9         | Fan speeds              | Single speeds: LN - low, MN - med, HN - high,<br>Dual speeds: LM - low/med, MH - med/high, LH - low/high  |
| 10        | Low-limit thermostat    | N - none, 3 - adjustable setting 650mm long cable, N - none   |
| 11        | Air thermostat on/off   | N - none, R - remote  |
| 12        | Air thermostat high/low | N - none, R - remote  |
| 13        | Switch location         | N - none, I - fitted internal, R - remote   |
| 14        | Switch function         | N - none, 1 - on/off, 2 - high/off/low, 3 - man/off/auto, 4 - man/off/auto & high/low   |
| 15        | Relays                  | N - none, 1 - 24V enable relay, 2 - 24V enable & speed change relays  |
| 16        | Isolating ball valves   | N - none, B - ball valves, C - in line ball valve for use with control valve below),  |
| 17        | Control valve           | N - none, 2 - 2-port valve & thermic actuator, 4 - 4-port valve & thermic actuator,<br>Control valves available for EC1 or EC2 motor options only |
| 18        | Ceiling trim surround   | N - none, F - fitted, L - supplied loose for fitting on-site  |

Air thermostats are remote option only.

Please select any remote switches and/or remote thermostats required from the tables below

| Remote switches         | Flush mounted part number | Surface mounted part number |
|-------------------------|---------------------------|-----------------------------|
| on/off                  | 121-601-010               | 121-601-001                 |
| high/off/low            | 121-601-011               | 121-601-002                 |
| man/off/auto            | 121-601-012               | 121-601-003                 |
| man/off/auto & high/low | 121-601-015               | 121-601-006                 |

| Remote room thermostat                    | Standard user control | Tamperproof cover |
|---|-----------------------|-------------------|
| Honeywell T6360B1028                      | 903-002-056           | n/a               |
| Honeywell T6360B1069                      | n/a                   | 903-002-057       |
| Honeywell T4H110A1021 programable digital | 903-002-071           | n/a               |



## Service Support

Dunham-Bush offers a range of services from installation and commissioning to aftercare and routine maintenance to suit all your needs. Our Service Team has a wide range of experience and knowledge of all refrigeration equipment, which includes split A/C VRV or VRF air and water cooled chillers and heat pumps. Continued support and regular maintenance will help prevent any down time of your equipment. All our engineers are fully trained and hold current Skill Cards and F-Gas qualifications.

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Dunham-Bush reserves the right to change any specification without notice.

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