

## Custom Electric Duct Heater Battery

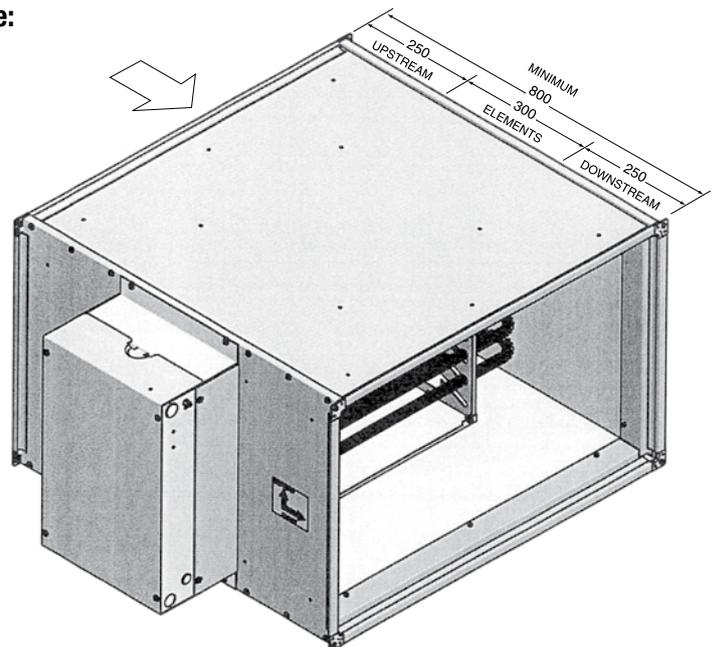


### All temperzone Custom Electric Heater Batteries include:

- Stainless steel finned incaloy elements
- 50mm element spacing
- Safety contactor connected via a manual reset over-temperature safety thermostat
- Control/stage contactor(s) connected via an automatic reset over-temperature thermostat
- Galvanised steel construction
- Mez flanges and corners
- Micore board insulation

### Options of:

- Extra protection
- Opposite handing
- Proportional control solid state relays



The element assembly is removable and consists of the electrical element set, contactors, automatic and manual over temperature safety cutouts and air pressure safety and or solid state relays.

### Single Phase Electric Heater Battery Options

1. Single Stage, single 230V element + neutral
2. Two Stage, two 230V elements + neutral
3. Three Stage, three 230V elements + neutral

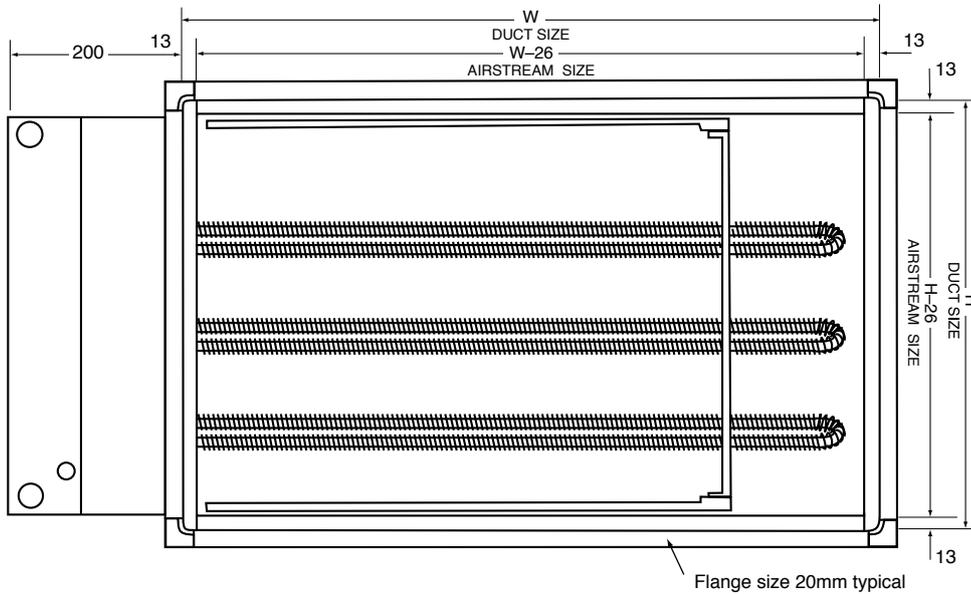
### Three Phase Electric Heater Battery Options

1. Single Stage, three 230V elements star connected + neutral
2. Two Stage, six 230V elements in two banks star connected + neutral
3. Three Stage, nine 230V elements in three banks star connected + neutral
4. Three Stage, Three 230V elements + neutral (each stage a single element)

All temperzone Electric Heater Batteries are constructed to the following standard:

**AS/NZS 3102-2002/AMD2/2008-10-31**

**Dimensions (mm)**



**NOTE:** The manufacturer reserves the right to change specifications at any time without notice or obligation.

**Example of Wiring Schematics:**

**Duct Heater 1Ø 2 Stages Wiring Schematic**

**Duct Heater 3Ø 3 Stages (9 Elements) Wiring Schematic**

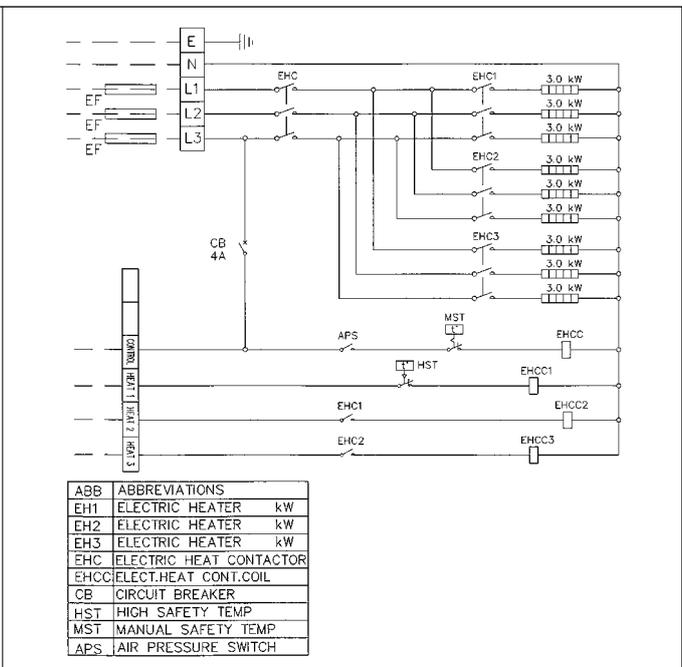
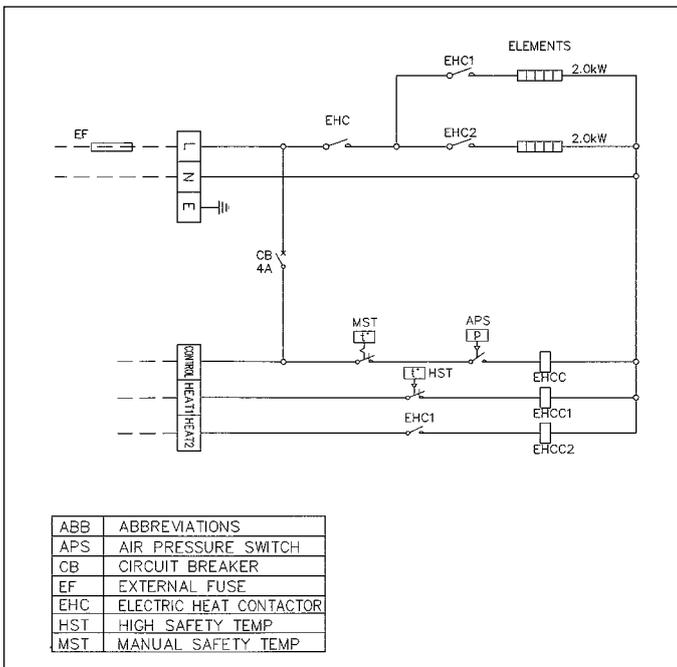


ABB	ABBREVIATIONS
APS	AIR PRESSURE SWITCH
CB	CIRCUIT BREAKER
EF	EXTERNAL FUSE
EHC	ELECTRIC HEAT CONTACTOR
HST	HIGH SAFETY TEMP
MST	MANUAL SAFETY TEMP

ABB	ABBREVIATIONS
EH1	ELECTRIC HEATER kW
EH2	ELECTRIC HEATER kW
EH3	ELECTRIC HEATER kW
EHC	ELECTRIC HEAT CONTACTOR
EHCC	ELECT. HEAT CONT. COIL
CB	CIRCUIT BREAKER
HST	HIGH SAFETY TEMP
MST	MANUAL SAFETY TEMP
APS	AIR PRESSURE SWITCH

**Project Requirements (please use table below to send us your requirements)**

DUCT SIZE						
W	H	L	kW's req'd	No of Elements	No of Stages	Phase (1Ø or 3Ø)

Available from

manufactured and distributed by:  
**temperzone limited**  
 Head Office, Auckland : 38 Tidal Rd, Mangere, N.Z.  
 Private Bag 93303, Otahuhu, NEW ZEALAND.  
 Email sales@temperzone.co.nz Website: www.temperzone.co.nz  
**temperzone australia pty ltd**  
 Head Office, Sydney : 14 Carnegie Place.  
 PO Box 6448, Delivery Centre, Blacktown, NSW 2148,  
 AUSTRALIA.  
 Email sales@temperzone.com.au Website: www.temperzone.com.au

