RAPID NEWS

Product Info

N°: RN/Product Info/ 13-096 Date: 02 / December / 2013 From: EU Strategic Marketing Pages: 4	Subject: Mo/C of electrical heaters for VAM combination

Dear Madam
Dear Sir,

Herewith, we would like to announce the Mo/C of the VAM electrical heaters range to B series

1. Line-up

The electrical heaters is featured with different capacities and duct diameters as follows:

	Capacity [kW]	**Duct Ø [mm]**
VH1B	1	100
VH2B	1	150
VH3B	1	200
VH4B	1,5	250
VH4/AB	2,5	250
VH5B	2,5	350



2. Features

- Total fresh air solution with DENV supply of both VAM and electrical heaters
- Increased comfort in low outdoor temperature thanks to the pre-heated fresh air
- Integrated electrical heater concept (no additional accessories required)
- Flexible setting with adjustable setpoint
- Standard dual flow and temperature sensors
- Increased safety with 2 cut-outs: manual & automatic
- BMS integration thanks to:
  - Volt free relay for error indication
  - 0-10VDC input for setpoint control

3. Combination table

	VAM150FA	VAM250FA	VAM350FB	VAM500FB	VAM650FB	VAM800FB	VAM1000FB	VAM1500FB	VAM2000FB
VH1B	o								
VH2B		o	o						
VH3B				o	o				
VH4B						o	o		
VH4/AB						o	o		
VH5B								o	o

o : the only allowed combination

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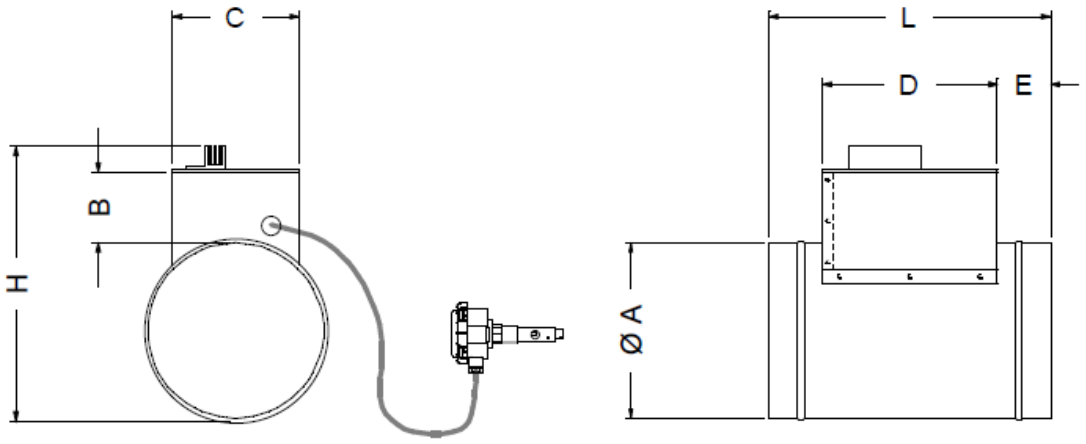
For the selection of the appropriate capacity, please refer to the VAM selection software.

4. Specifications

4.1. General

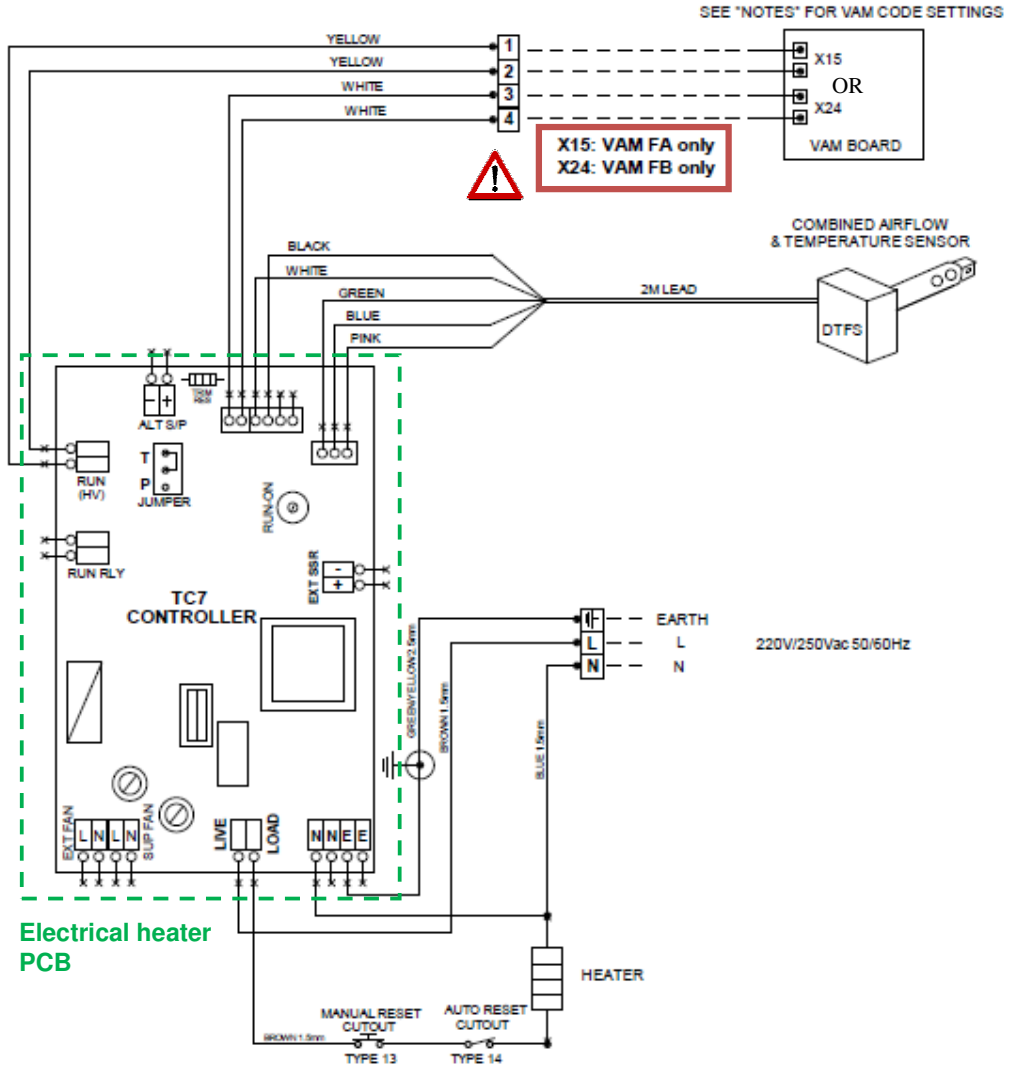
Supply voltage	220/250Vac 50/60Hz. +/-10%
Output current (maximum)	19A @ 40ºC (Ambient)
Temperature sensor	5k ohms @ 25ºC (Table 502 IT)
Temperature control range	0 to 40ºC / (0-10V 0-100%)
Control fuse	20 x 5mm 250mA
LED Indicators	Power On – Yellow Heater On – Red (solid or flashing, indicating pulsed control) Airflow Fault – Red
Mounting holes	98mm x 181mm centres 5mmØ holes
Maximum ambient adjacent to terminal box	35ºC (during operation)
Auto High Temp Cutout	100ºC Pre-set
Man. Reset High Temp Cutout	125ºC Pre-set
Run Rly	1A 120V AC or 1A 24V DC
ALT SP	0-10VDC

4.2.Dimensions



MODEL	kW	DIMENSIONS (mm)						
		A	B	C	D	E	H	L
VH1B	1.0	100	80	115	250	75	207	400
VH2B	1.0	150	80	135	250	75	257	400
VH3B	1.0	200	80	180	250	75	307	400
VH4B	1.5	250	80	180	250	75	357	400
VH4/AB	2.5	250	80	180	250	75	357	400
VH5B	2.5	350	80	180	250	75	457	400

5. Wiring



- The VAM output X15/X24 must be activated via the service setting 18(28)-3-01 (output will be ON when the VAM is in heating conditions)
- The on/off delay must be activated on the remote controller via the service setting 19(29)-8-03.
- During the installation, a minimum distance of 2m of duct must be kept between the electrical heater and the VAM
- The dual flow sensor must be installed in the duct at minimum 1,5m from the electrical heater (refer to the electrical heater manual)

For further details, the installation manual together with the addendum for the new B type electrical heater are available on the extranet

6. Sales launch

The target sales launch is foreseen by December 2013. For more detailed information, please contact Supply Center.

In case you have further questions, please contact: elhaddaj.y@bxl.daikineurope.com

Yours sincerely,

Younes El Haddaj