

- 2V VERSION WITH 2-WAY VALVE FITTED INSIDE WIRED CONTROL PANEL OR REMOTE CONTROL
- 3V VERSION WITH 3-WAY VALVE FITTED INSIDE WIRED CONTROL PANEL OR REMOTE CONTROL
- VL VERSION WITHOUT VALVE WIRED CONTROL PANEL OR REMOTE CONTROL
- 2VN VERSION WITH 2-WAY VALVE FITTED INSIDE STANDARD CONTROL OR VMF SYSTEM
- 3VN VERSION WITH 3-WAY VALVE FITTED INSIDE STANDARD CONTROL OR VMF SYSTEM

45

Size

21 31

41

• VLN VERSION WITHOUT VALVE STANDARD CONTROL OR VMF SYSTEM

### **Characteristics**

By choosing the appropriate options it is possible to select the model to suit the specific system requirements: Unit configuration:

123		
Code		
CW		

(

- EUROVENT certified
- Cream color
- Display on panel front
- Tangential three-speed fan assembly
- Very quiet operation
- Aesthetic designHorizontally adjustable discharge air blades
- Horizontal deflector blades to vertically adjust discharge air. Manually adjustable only for units without microprocessor controller. For units with microprocessor controller adjustable only via PFW2 wired control panel or TLW2 remote control
  Timer for on/off programming (TLW2 and PFW2)

### Accessories

#### • TLW2 REMOTE CONTROL

(accessory for versions with microprocessor controller FCW\_2V, FCW\_3V, FCW\_VL):

Accessory essential for the fan coil unit operation, as an alternative to the PFW2 wired control panel. The two control systems cannot be used at the same time on the same fan coil unit.

The TLW2 remote control is provided loose from the fan coil unit. One remote control can control several fan coil units.

The remote control makes it possible to set all the operating parameters of the unit. These parameters are shown on a liquid crystal display making programming operations easier.

The remote control is supplied with a bracket allowing it to be hung on the wall.

The remote control is fitted with a support so it can be hung on the wall and it is therefore possible to carry out the required operations without removing it, it must be installed at a point on the wall that is easy to reach and not exposed to sources of heat, steam or direct sunlight and that is at least a meter from televisions or other electronic apparatus. The remote control is powered by two 1.5V mini stick batteries of the R03 AAA type and works optimally up to seven meters from the unit.

### 67 8 Valve Microprocessor Controller 2V (2-way valve fitted insi 3V (3-way valve fitted inside) VL (without Valve) VL (without valve)

- Automatic, cooling, heating, ventilation and dehumidification function programming (TLW2 and PFW2)
- Sleep function only with TLW2 remote control
- Automatic season change (TLW2 and PFW2)
- Automatic start after black-out (TLW2 and PFW2)
- Ease of installation with hydraulic and condensate drain connections adjustable in several directions
- Routine maintenance is limited to periodic cleaning of the air filter
- Air filter can be easily removed and cleaned
- Full compliance with safety regulations

### PFW2 WIRED CONTROL PANEL

(accessory for versions with microprocessor controller FCW\_2V, FCW\_3V, FCW\_VL):

Accessory essential for the fan coil unit operation, as alternative to the TLW2 remote control. The two control systems cannot be used at the same time on the same fan coil unit.

A PFW2 wired control panel can control just one fan coil unit.

The wired control panel must be installed on the wall and connected to the fan coil unit with the cable provided loose.

The panel cable is 7,5 metres long.

The PFW2 makes it possible to set the main operating parameters of the unit. These parameters are shown on a liquid crystal display making programming operations easier.

• WIRED CONTROL PANELS and VMF System (Accessories essential for versions without microprocessor controller FCW\_2VN, FCW\_3VN, FCW\_VLN):

Accessories essential for the fan coil unit operation, which then requires a cable connected accessory panel or connection to the accessories of the VFM system. The characteristics of the control panels are described on the appropriate card.









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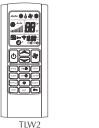
### **FCW**

	212V	213V	21VI	312V	313V	31VI	412V	413V	41VL
BTL /h (max)				-					17411
									15960
									13110
. ,									3.34
1									2.76
1									2.03
1		6487	6999			8535			13929
		4950	5940			7340			12768
BTU/h (min)	3755	3755	4677	5292	5292	6077	10242	10242	10498
BTU/h (max)	5292	5292	5923	6726	6726	6965	9730	9730	11864
BTU/h (med)	4097	4097	5036	5736	5736	6231	8535	8535	10635
BTU/h (min)	3141	3141	3960	4370	4370	5155	6879	6879	8859
gpm (max)	1.44	1.44	1.55	1.82	1.82	1.89	2.88	2.88	3.09
gpm (med)	1.10	1.10	1.32	1.58	1.58	1.63	2.61	2.61	2.83
gpm (min)	0.83	0.83	1.04	1.18	1.18	1.35	2.27	2.27	2.33
psi (max.)	3.34	3.34	1.31	4.21	4.21	2.18	4.64	4.64	3.77
psi (med.)	2.03	2.03	1.02	3.19	3.19	1.60	3.92	3.92	3.05
psi (min.)	1.31	1.31	0.73	1.89	1.89	1.16	3.05	3.05	2.18
W (max.)	27.00	27.00	27.00	27.00	27.00	27.00	48.00	48.00	48.00
W (med.)	24.00	24.00	24.00	23.00	23.00	23.00	41.00	41.00	41.00
W (min.)	23.00	23.00	23.00	22.00	22.00	22.00	41.00	41.00	31.00
A (max.)	0.13	0.13	0.13	0.13	0.13	0.13	0.23	0.23	0.23
A (med.)	0.11	0.11	0.11	0.11	0.11	0.11	0.19	0.19	0.19
A (min.)	0.10	0.10	0.10	0.11	0.11	0.11	0.14	0.14	0.14
cfm (max.)	224	224	229	259	259	263	318	318	403
cfm (med.)	194	194	200	230	230	235	277	277	354
cfm (min.)	159	159	165	188	188	194	218	218	280
dB(A)(max.)	44,5	44,5	44,5	44,5	44,5	44,5	45,5	45,5	45,5
dB(A)(med.)	39,5	39,5	39,5	39,5	39,5	39,5	40,5	40,5	40,5
dB(A)(min.)	34.00	34.00	34.00	34.00	34.00	34.00	35,5	35,5	35,5
									54.00
									49.00
									44.00
	.=			.=	.=				
	BTU/h (max)       BTU/h (med)       BTU/h (min)       gpm (max)       gpm (med)       gpm (med.)       psi (max.)       psi (max.)       psi (max.)       w (max.)       W (max.)       W (max.)       A (max.)       A (med.)       Cfm (max.)       cfm (max.)       cfm (min.)       cfm (min.)       dB(A)(max.)       dB(A)(med.)	BTU/h (med)     6145       BTU/h (min)     4780       psi (max.)     3.05       psi (max.)     1.89       psi (mal.)     1.16       BTU/h (max)     6487       BTU/h (max)     4950       BTU/h (max)     5292       BTU/h (max)     5292       BTU/h (min)     3141       gpm (max)     1.44       gpm (max)     1.44       gpm (max)     1.44       gpm (max)     3.341       gps (max.)     3.341       psi (max.)     2.03       psi (max.)     2.103       psi (max.)     2.03       psi (max.)     2.10       W (max.)     2.300       W (min.)     2.300       A (max.)     0.11       A (max.)     0.13       A (med.)     0.13       A (med.)     1.59       dB(A)(max.)     <	BTU/h (max)     8194     8194       BTU/h (med)     6145     6145       BTU/h (min)     4780     4780       psi (max.)     3.05     3.05       psi (max.)     1.89     1.89       psi (max.)     1.16     1.16       BTU/h (max)     6487     6487       BTU/h (max)     5292     5292       BTU/h (max)     5292     5292       BTU/h (max)     5292     5292       BTU/h (max)     3141     3141       gpm (max)     1.44     1.44       gpm (med)     1.10     1.10       gpm (med)     1.31     1.31       gpi (med.)     2.03     2.03       psi (med.)     24.00     24.00       W (max.)     27.00     27.00       W (max.)     23.00     23.00       W (max.)     23.00     23.00       A (max.)     0.13     0.13       A (max.)     0.14     0.11       A (max.)     224     224       cfm (max.)	BTU/h (max)     8194     8194     8740       BTU/h (min)     6145     6145     7443       BTU/h (min)     4780     4780     5804       psi (max.)     3.05     3.05     1.16       psi (max.)     1.89     1.89     0.87       psi (min.)     1.16     1.16     0.58       BTU/h (max)     6487     6487     6999       BTU/h (max)     5292     5292     5923       BTU/h (max)     5292     5292     5923       BTU/h (max)     5292     5292     5923       BTU/h (min)     3141     3141     3960       gpm (max)     1.44     1.44     1.55       gpm (max)     1.44     1.44     1.52       gpm (max)     1.44     1.41     1.41       psi (max.)     3.34     3.34     1.31       psi (max.)     2.03     2.03     1.02       psi (max.)     27.00     27.00     27.00       W (max.)     27.00     27.00     27.00	BTU/h (max)     8194     8194     8740     10242       BTU/h (max)     6145     6145     7443     8876       BTU/h (min)     4780     4780     5804     6623       psi (max.)     3.05     3.05     1.16     3.77       psi (max.)     1.89     1.89     0.87     2.90       psi (min.)     1.16     1.16     0.58     1.74       BTU/h (max)     6487     6487     6999     8194       BTU/h (max)     5292     5292     5923     6726       BTU/h (max)     5292     5292     5923     6726       BTU/h (max)     5292     5292     5923     6726       BTU/h (max)     3141     3141     3960     4370       gpm (max)     1.44     1.44     1.55     1.82       gpm (med)     1.10     1.13     4.21       psi (max.)     3.34     3.34     1.31     4.21       psi (max.)     27.00     27.00     27.00     27.00       psi (max.	BTU/h (max)     8194     8740     10242     10242       BTU/h (mai)     6145     6145     7443     8876     8876       BTU/h (min)     4780     5804     6623     6623       psi (max.)     3.05     3.05     1.16     3.77     3.77       psi (mat.)     1.89     1.89     0.87     2.90     2.90       psi (min.)     1.16     1.16     0.58     1.74     1.74       BTU/h (max)     6487     6999     8194     8194       BTU/h (mai)     3755     3755     4677     5292     5292       BTU/h (max)     5292     5292     5923     6726     6726       BTU/h (max)     5292     5292     5923     6726     6726       BTU/h (max)     1.44     1.44     1.55     1.82     1.82       gpm (max)     1.44     1.44     1.55     1.82     1.82       gpm (max)     3.34     3.34     1.31     4.21     4.21       psi (max.)     2.03	BTU/h (max)     8194     8740     10242     10242     10669       BTU/h (med)     6145     6145     7443     8876     8876     9184       BTU/h (min)     4780     5804     6623     6623     7596       psi (max)     3.05     3.05     1.16     3.77     3.77     2.03       psi (max)     1.89     1.89     0.87     2.90     2.90     1.45       psi (min)     1.16     1.16     0.58     1.74     1.74     1.02       BTU/h (max)     6487     6487     6999     8194     8194     8535       BTU/h (max)     5292     5292     5923     6726     6726     6965       BTU/h (max)     5292     5292     5923     6726     5736     6231       BTU/h (max)     3141     3141     3960     4370     4370     5155       gpm (max)     1.44     1.42     1.58     1.63     1.63       gpm (max)     3.34     3.34     1.31     4.21 <td< td=""><td>BTU/h (max)     8194     8740     10242     10242     10669     16217       BTU/h (med)     6145     6145     7443     8876     8876     9184     14714       BTU/h (min)     4780     5804     6623     6623     7596     12803       psi (max.)     3.05     3.05     1.16     3.77     3.77     2.03     4.06       psi (max.)     1.89     1.89     0.87     2.90     2.90     1.45     3.48       psi (min.)     1.16     1.16     0.58     1.74     1.74     1.02     2.61       BTU/h (max)     6487     6487     6999     8194     8194     8535     12973       BTU/h (max)     5292     5292     6077     10242     8073     8355       BTU/h (max)     141     3141     3960     4370     4370     5155     6879       gpm (max)     1.44     1.45     1.82     1.82     1.83     2.61       gpm (min)     0.83     0.83     1.04</td><td>BTU/h (max)     8194     8194     8740     10242     10242     10669     16217     16217       BTU/h (med)     6145     6145     7443     8876     8876     9184     14714     14714       BTU/h (min)     4780     4780     5804     6623     6623     7596     12803     12803       psi (max)     3.05     3.05     1.16     3.77     3.77     2.03     4.06     4.06       psi (max)     1.16     1.16     0.58     1.74     1.74     1.02     2.61     2.61       BTU/h (max)     6487     6499     8194     8194     8535     12973     12973       BTU/h (max)     6487     6499     8194     8194     8535     12973     12973       BTU/h (max)     5292     5920     6726     6726     6965     9730     9730       BTU/h (max)     3141     3141     3960     4370     4370     5155     6879     6879       gpm (max)     1.44     1.45</td></td<>	BTU/h (max)     8194     8740     10242     10242     10669     16217       BTU/h (med)     6145     6145     7443     8876     8876     9184     14714       BTU/h (min)     4780     5804     6623     6623     7596     12803       psi (max.)     3.05     3.05     1.16     3.77     3.77     2.03     4.06       psi (max.)     1.89     1.89     0.87     2.90     2.90     1.45     3.48       psi (min.)     1.16     1.16     0.58     1.74     1.74     1.02     2.61       BTU/h (max)     6487     6487     6999     8194     8194     8535     12973       BTU/h (max)     5292     5292     6077     10242     8073     8355       BTU/h (max)     141     3141     3960     4370     4370     5155     6879       gpm (max)     1.44     1.45     1.82     1.82     1.83     2.61       gpm (min)     0.83     0.83     1.04	BTU/h (max)     8194     8194     8740     10242     10242     10669     16217     16217       BTU/h (med)     6145     6145     7443     8876     8876     9184     14714     14714       BTU/h (min)     4780     4780     5804     6623     6623     7596     12803     12803       psi (max)     3.05     3.05     1.16     3.77     3.77     2.03     4.06     4.06       psi (max)     1.16     1.16     0.58     1.74     1.74     1.02     2.61     2.61       BTU/h (max)     6487     6499     8194     8194     8535     12973     12973       BTU/h (max)     6487     6499     8194     8194     8535     12973     12973       BTU/h (max)     5292     5920     6726     6726     6965     9730     9730       BTU/h (max)     3141     3141     3960     4370     4370     5155     6879     6879       gpm (max)     1.44     1.45

Perforamance values refer to the following conditions: ⇒ level of sound pressure (weighted A) measured in the environment with volume V = 3002 ft, reverberation time t = 0.5 sdirection factor Q=2, distance r = 8.2 ft

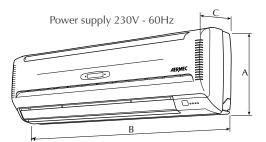
\* Heating (water inlet 122°F) water inlet temperature 122°F room air temperature = 68°F d.b.; maximum ventilation speed: water flow rate in cooling mode at maximum ventilation speed;

## **Dimensions (inches)**





\* Cooling: Inlet water temperature = 44°F room air temperature - 80°F d.b.66°F w.b.; maximum ventilation speed; t water - 9°F;medium and minimum ventilation speed: water flow rate as maximum ventilation speed;



FCW		212V/21VL/21VN	312V/31VL/31VN	412V/41V1/41VN
Height, in	А	11.73	12.01	14.17
Width, in	В	34.65	38.98	46.14
Depth, in	С	8.07	8.27	8.66
Weight , lb		19.87	22.08	41.95

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Product data may be subject to modifications deemed necessary for improving the product without the obligation to give prior notice.