

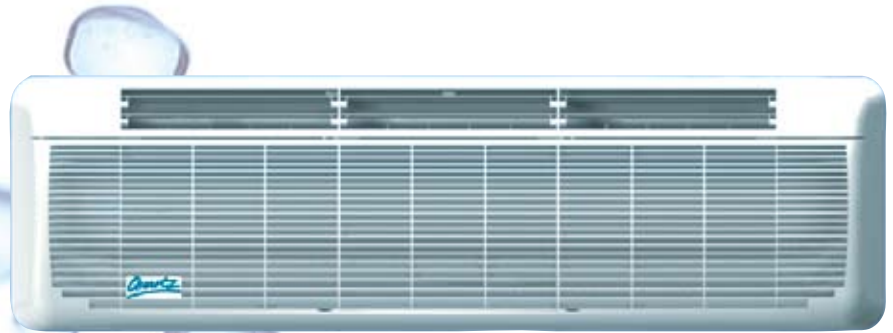
## Introduction

The slimline CWM combines fresh styling with powerful performance. Architects and consultants now have an attractive and highly practical solution for commercial and retail fan coil applications, including hotels, bars and restaurants.

Designed for high wall mounting, the hi-level front airflow optimises the 'Coanda' effect, pushing air forward from the top of the unit for effective air distribution, minimising draughts.

Designed and manufactured in the UK using high quality components, the wall mounted CWM range is available in three sizes with a large selection of factory fit accessories.

With low sound levels, adjustable air deflectors, a light weight and long life washable filters the CWM is the perfect choice.



## Standard Features

- High wall mounting with hi-level front airflow
- Wired to suit hard wired controller (CWM) or to suit infrared controller (CWM L)
- Adjustable air deflectors
- Low sound levels
- Low weight for ease of installation and maintenance
- Long Life washable filters

## Options

- Condensate pump (5m head with overflow protection) incorporated within the unit
- LPHW heating coil (factory fit only)
- Background electric heating on 2 pipe models
- 2 port on/off valves or 4 port diverting valves housed within the cabinet
- Remote hard wired controller
- Remote temperature sensor
- Infra Red remote controller for "L" version
- Pipe thermostat for 2 pipe heat pump systems
- Matching chillers available

DIMENSIONS				
Model	Height mm	Width mm	Depth mm	Weight kg
CWM(L) 55	350	1200	223	19
CWM(L) 75	350	1500	223	23
CWM(L) 105	350	1800	223	27

SOUND LEVELS			
Model	Sound Pressure Levels		
	Low dBA	Medium dBA	High dBA
CWM(L) 55	25	31	37
CWM(L) 75	33	37	39
CWM(L) 105	30	35	40

# Technical Data

Cooling Capacities - 2 Pipe - kW Eurovent conditions shown in BOLD									
Model	Air entry dry bulb (wet bulb)			27°C (19°C)			23°C (16°C)		
				Fan Speed			Fan Speed		
	In °C	Out °C		1	2	3	1	2	3
CWM55	6	12	TC	2.51	271	3.35	1.75	1.86	2.28
			SC	2.13	2.33	2.89	1.60	1.71	2.10
	<b>7</b>	<b>12</b>	TC	<b>2.55</b>	<b>2.81</b>	<b>3.54</b>	1.71	1.84	2.24
			SC	<b>2.20</b>	<b>2.41</b>	<b>3.05</b>	1.57	1.70	2.06
CWM75	6	12	TC	3.96	4.81	5.35	2.68	3.06	3.32
			SC	3.28	3.99	4.49	2.44	2.78	3.03
	<b>7</b>	<b>12</b>	TC	<b>4.12</b>	<b>5.09</b>	<b>5.72</b>	2.62	3.11	3.43
			SC	<b>3.42</b>	<b>4.22</b>	<b>4.75</b>	2.41	2.86	3.16
CWM105	6	12	TC	4.95	6.19	8.15	3.11	3.72	4.76
			SC	3.96	4.95	6.44	2.80	3.38	4.33
	<b>7</b>	<b>12</b>	TC	<b>5.11</b>	<b>6.36</b>	<b>8.25</b>	3.13	3.85	5.01
			SC	<b>4.09</b>	<b>5.09</b>	<b>6.60</b>	2.85	3.50	4.56

Heating Capacities Eurovent conditions shown in BOLD					
Model	Air entry dry bulb		20°C db		
			Fan Speed		
	In °C	Out °C	1	2	3
CWM 55	82	71	1.05	1.25	1.55
	<b>70</b>	<b>60</b>	<b>0.55</b>	<b>0.55</b>	<b>0.65</b>
	60	50	0.39	0.40	0.35
CWM 75	82	71	1.94	2.14	2.34
	<b>70</b>	<b>60</b>	<b>1.24</b>	<b>1.54</b>	<b>1.74</b>
	60	50	0.44	0.54	0.54
CWM105	82	71	2.33	2.63	3.03
	<b>70</b>	<b>60</b>	<b>1.73</b>	<b>2.03</b>	<b>2.33</b>
	60	50	0.63	0.73	0.93

REVERSE CYCLE CHILLER HEATING DUTIES - TWO PIPE SYSTEM Eurovent conditions shown in BOLD										
Model CWM(L)	Air Entering Dry Bulb	18°C			20°C			22°C		
		Fan Speed			Fan Speed			Fan Speed		
	Water in °C *	Low	Medium	High	Low	Medium	High	Low	Medium	High
55	50	4.79	5.20	6.28	<b>4.48</b>	<b>4.86</b>	<b>5.88</b>	4.16	4.52	5.46
75	50	6.78	8.02	8.80	<b>6.34</b>	<b>7.50</b>	<b>8.23</b>	5.89	6.97	7.65
105	50	7.79	9.32	11.41	<b>7.28</b>	<b>8.71</b>	<b>10.67</b>	6.76	8.09	9.91

\* Flow rate as per cooling

AIRFLOWS			
Model	Airflows		
	Low m <sup>3</sup> /s	Medium m <sup>3</sup> /s	High m <sup>3</sup> /s
CWM(L) 55	0.190	0.210	0.265
CWM(L) 75	0.23	0.31	0.37
CWM(L) 105	0.23	0.34	0.43

OPTIONAL ELECTRICAL HEATING (2 pipe models only)		
Model	At 230V kW	At 240V kW
CWM(L) 55	1.2	1.2
CWM(L) 75	1.7	1.8
CWM(L) 105	2.1	2.3



For full design information, reference should be made to the technical manual. We reserve the right to alter designs and specifications at any time without notification.



Part No: 06617623-03

TEV Ltd, Quartz Division, Armytage Road, Brighouse, West Yorkshire, HD6 1QF, England.  
Tel: +44 (0) 1484 405630 Fax: +44 (0) 870 606 4876 E: sales@quartz.co.uk W: www.quartz.co.uk

FAN COILS : CHILLED WATER CASSETTES : CHILLED BEAM : CHILLERS