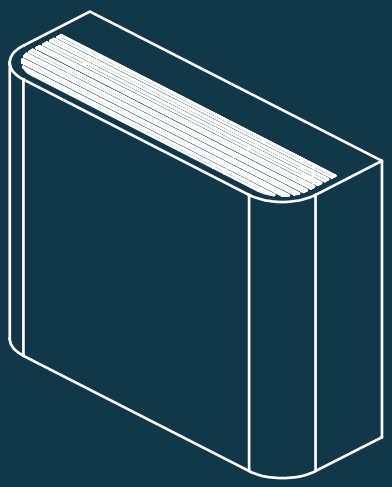
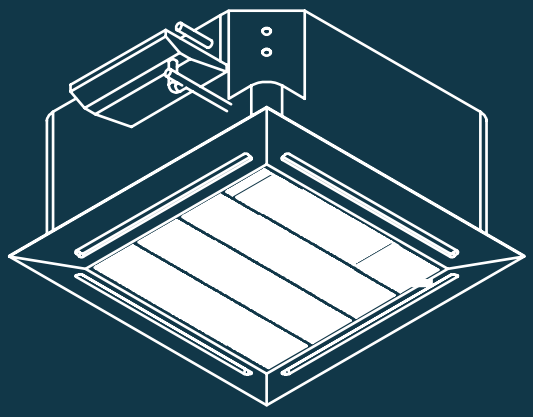
QUARTZ

FAN COILS AND HVAC

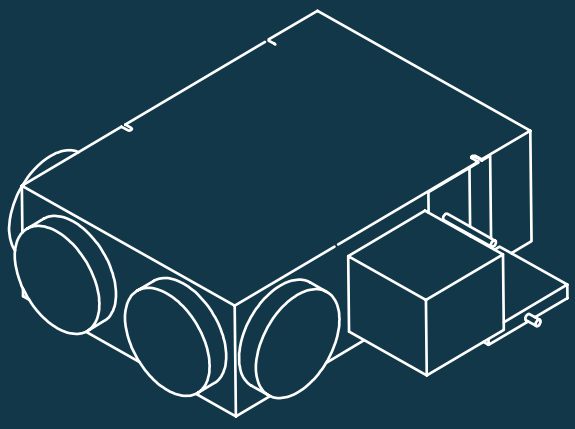






fan coils & hvac

Technical Brochure



QUARTZ 5 Year PARTS WARRANTY AS STANDARD

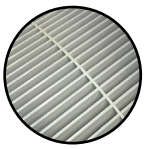
DESIGNED & MADE IN THE UK

In partnership with

MARSTAIR

REFRIGERATION AND SPECIALIST AIR CONDITIONING

Specification



Casing
- Adjustable Air deflectors
- Hygenic wipe clean finish



Access
- Access to the fan/motors and coil from the front by removable casing
- Valve/actuator access from the side
- Remote electrics box avaliable to house controls



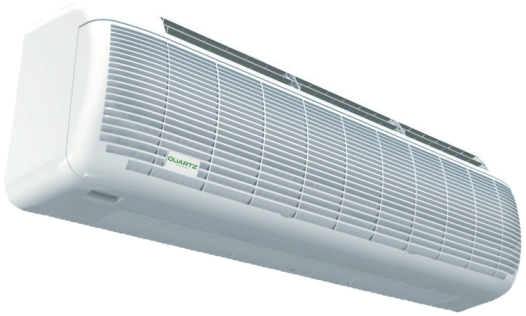
Motors/ Fans
- AC or EC/DC motors available
- Unique ‘top discharge’ outlet for ‘Coanda’ effect



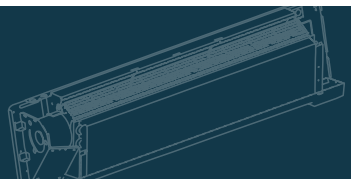
Condensate Tray
- ABS Plastic



Filters
- Long Life washable filters



Performance Output



Model	Speed	Airflow l/s	Cooling				Heating			Electrical (EC/DC)	Acoustic	Full Load Current (A)	Starting Current (A)
			UK (23db/16.1wb)		Eurovent (27db/19wb)		UK (20db)	Eurovent (20˚C)					
			6/12		7/12		82/71	65/55 4 pipe	45/40 2 pipe				
			Sensible	Total	Sensible	Total	Total	Total	Total	Anticipated SFP	NR		
			kW	kW	kW	kW	kW	kW	kW	w/l/s	See Qualification		
CWM 55	Low	170	1.61	1.73	2.40	2.73	1.12	0.51	3.68	0.11	33	0.34	1.02
	Med	190	1.70	1.84	2.64	2.98	1.21	0.53	4.02	0.13	39		
	High	240	1.93	2.09	3.21	3.58	1.41	0.57	4.81	0.15	44		
CWM 75	Low	220	2.24	2.41	3.28	3.81	1.77	1.02	4.76	0.08	40	0.34	1.02
	Med	310	2.68	2.90	4.44	5.08	2.18	1.33	6.23	0.14	44		
	High	370	2.94	3.19	5.15	5.84	2.39	1.49	7.11	0.15	45		
CWM 105	Low	230	2.53	2.74	3.78	4.71	2.18	1.39	5.22	0.09	35	0.34	1.02
	Med	340	3.40	3.66	5.24	6.24	2.77	1.81	7.14	0.15	40		
	High	420	4.33	4.66	6.26	7.28	3.12	2.06	8.39	0.19	46		

Unit Dimensions Standard Units

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

Qualification of NR predictions CWM ranges

The dB(A) figures quoted are intended as a guide to the levels expected in a typical office environment, based on a cooling load of 120 W/m^2, with a chilled water flow of 6°C, return of 12°C, return air temperature of 23°C and 50% R.H.
NR Measurements taken at 2.5m from a discharge outlet.