

## Roof Mounted Twin Centrifugal Fans

### Twin Roof Mounted Centrifugal Vertical Discharge Fans



**Manufacturer: CFM Fans**

**Model: TMCV Series**

The TMCV series of Direct Drive roof mounted centrifugal vertical discharge fans are supplied with two backward curved centrifugal impellers and external rotor motors positioned side by side on a common base frame with two vertical discharge circular metal cowls from 310mm diameter up to 560mm diameter. Generally operated in a duty/standby configuration, one impeller runs whilst the other sits in standby mode ready to be switched over in the event of a failure in the duty motor. All units are supplied with non-return dampers as standard to prevent 'free-wheeling' of the standby impeller. Each impeller has a separate externally mounted junction box for individual control and as with the single impeller MCV models, CFM Fans source their impellers from reputable manufacturers such as Ziehl-Abegg, EBM Papst, Rosenberg and others.

Available in six sizes from 310mm diameter to 560mm diameter and in either three phase or single phase models.

Most three phase external rotor motor models are supplied with 2 speed Star (Y) / Delta ( $\Delta$ ) motors as standard.

Configured as:

4/6 pole whereby Delta  $\Delta$  = 4 pole & Star Y = 6 pole

or

6/8 pole whereby Delta  $\Delta$  = 6 pole & Star Y = 8 pole

A Star/Delta switch is available as an optional extra should switching be required

**Performance Summary:**

*Performance summary tables should be used as a broad indication of the actual fan capabilities. Please refer to the individual fan curves for specific performance and noise data, available in the CFM Fan Selector Program [Download Fan Selector]*

#### **TMCV**

Size	RPM	Airflow	Pressure	Motor		SPL (Avg)
		l/sec (max)	Pa (max)	kW	Amps	dB(A) @3m
310	1400	600	280	0.18	0.8	49
355	1400	800	350	0.28	1.25	52

	960	550	150	0.11	0.49	42
400	1400	1200	430	0.43	1.9	47
	960	800	190	0.17	0.76	40
450	1400	1580	550	0.62	2.8	48
	960	1120	250	0.25	1.1	40
500	1400	2380	700	1.3	5.8	53
	960	1500	300	0.4	1.65	46
	720	1160	250	0.25	0.5	39
560	1400	3190	800	1.7	3.3	50
	960	2220	360	0.7	3	45
	720	1520	250	0.33	0.55	41

Specification:

- Performance tests carried out in accordance with BS848 Part 1 (1980) and DIN 24163
- Noise level tests carried out in accordance with BS848 Part 2 (1985) and DIN 45635 Part 38
- Fully weatherproof Galvanised Steel Housing
- Sealed for life ball bearing motors
- Motors available in single or three phase, 2 speed and / or speed controllable
- Cowls can be provided powder-coated as an optional extra if required
- All metal construction is available on request to satisfy AS/NZS1668.1:1998 for Kitchen Exhaust Fan Casings and Cowls