

# KITCHEN EXHAUST CENTRIFUGAL FAN

Rev.01  
27-05-2015



## GMC CRF-581:

Single inlet centrifugal fan.

### Application

- Used for the extraction of industrial cooker hoods for duties up to 9000m<sup>3</sup>/h

### Composition

- Double skin housing with 40mm mineral wool and wide-opening door for easy access for cleaning.
- Circular in-and outlet
- Grease and condensation drain

### Impeller

- Backward inclined blades impeller

### Motor

- Supply: 230Vac 1ph, 400Vac 3ph for KCF 400 D4
- Motor with overheat protection en speed controllable
- Insulation class F – Protection class IP55

### Accessories

- Speed controller type **BTRNTK**
- Fitting clamp type **BMK**
- Motor protection cover **MPG KCF**

### Other available products

- **CRF-581: Mk.** = standard model
- **CRF-581: Mk.F** = model equipped with a motor with integrated frequency inverter

### Order example

- CRF-581:Mk.200 E2

E = single phase, 230V  
2 = 2 pole



**HVAC Systems and Equipments Co.**  
4640 Hedcoxe Road 227 Plano, TX 75024 – US

[www.gmcair.com](http://www.gmcair.com)

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## Air performance data

		Q [m <sup>3</sup> /h]							
		100 Pa	200 Pa	300 Pa	400 Pa	500 Pa	600 Pa	700 Pa	800 Pa
Mk. Mk.F	200 E2	1600	1480	1320	1170	970	700	-	-
	250 E2	2500	2350	2250	2100	1850	1700	1400	1200
	315 E2	3500	3300	3100	2800	2600	2400	2000	1600
	315 E2L	4400	4250	4070	3880	3680	3500	3270	3050
	355 E4	4700	4400	3800	3200	2250	-	-	-
	400 E4	6700	6200	5600	4900	4200	3200	-	-
	400 D4	9000	8500	8000	7460	6820	6180	5360	3950

SC<sub>T</sub> = transformer controller

$\eta_t$  = maximum total efficiency

$t_m$  = maximum air temperature

$t_u$  = maximum ambient temperature

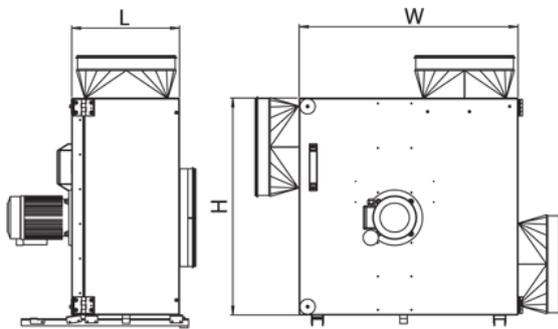
$t_o$  = minimum operating temperature

Lwa 2 = Casing sound power level

Lwa 5 = Sound power level @inlet

Lwa 6 = Sound power level @outlet

The sound power levels are measured according to DIN 45635 part 2 & 38



## Attention

3 positions possible. Vertical discharge available on stock.

## Dimensions

		L (mm)	W (mm)	H (mm)	kg
Mk. Mk.F	200 E2	287	484	484	29
	250 E2	287	584	584	40
	315 E2	336	684	684	50
	315 E2L	336	684	684	54
	355 E4	386	784	784	63
	400 E4	436	884	884	70
	400 D4	436	884	884	100

