

CENTRIFUGAL RECTANGULAR DUCT FAN

Rev.01
27-05-2015



GMC DCF-506:

Rectangular duct fan

Application

- For ventilation of offices, restaurants, garages, work shops
- For use with rectangular duct

Composition

- The casing is made of galvansed sheet steel and has a swing out motor/impeller compartment
- Easy to connect by means of the L20 profiles
- Forward or backward impeller
- Motor with thermal contact - insulation class B - protection IP44
- Supply: 230Vac 1ph or 400Vac 3ph
- Suitable for speed regulation

Accessories

- Speed controllers **MTY**, **STL** and **BTRN**
- Silencers type **BTH**

Options

- DCF-506 with acoustic insulation on demand, type **RFI**

Order example

- DCF-506: Mk.50/25 TD1

50/25: duct dimensions
T: forward curved impeller
D: 400Vac 3ph



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Air Performance Data

Model	Qv [m ³ /h]										
	50Pa	100Pa	200Pa	300Pa	400Pa	500Pa	600Pa	700Pa	800Pa	900Pa	
Mk.	30/15 TE2	-	570	530	488	412	200	-	-	-	-
	40/20 TE4	860	775	438	-	-	-	-	-	-	
	40/20 RE2	1170	1090	900	730	550	320	-	-	-	
	50/25 RE2	1630	1530	1270	1000	720	500	300	100	-	
	50/25 TD4	1800	1680	1430	975	-	-	-	-	-	
	50/30 TE4	-	1970	1800	1500	-	-	-	-	-	
	50/30 TD4	2275	2175	1930	1640	-	-	-	-	-	
	60/30 TE4	2570	2470	2350	2150	1840	300	-	-	-	
	60/30 TD4	-	-	-	-	2285	1760	-	-	-	
	60/35 TE6	2800	2615	2190	620	-	-	-	-	-	
	60/35 TE6	4240	4125	3875	3540	3175	2765	2210	-	-	
	60/35 TD4-1	3085	2865	2300	1190	-	-	-	-	-	
	60/35 TD6	-	-	-	-	-	-	-	-	-	
	70/40 RD4	5400	5160	4665	4130	3540	2780	1560	-	-	
	70/40 TD4	6600	6500	6270	5970	5575	5065	4475	3725	2575	
	80/50 RD4	7860	7600	7080	6540	6020	5490	4720	3650	1970	
	80/50 TD6	6450	6170	5670	5100	4240	1450	-	-	-	
	100/50 RD4	10000	9700	9100	8540	7960	7280	6500	5675	4600	
	100/50 TD6	9300	8975	8340	7660	6850	6020	4335	-	-	

SC_T = transformer speed controller

SC_E = electronic speed controller

η_t = maximum total efficiency

t_m = maximum air temperature

t_u = maximum ambient temperature

t_o = minimum operating temperature

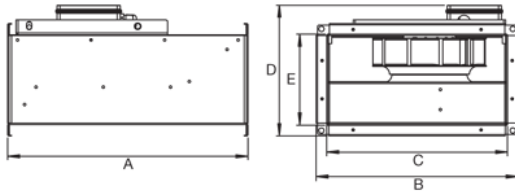
Lwa 2 = Casing sound power level

Lwa 5 = Sound power level @inlet

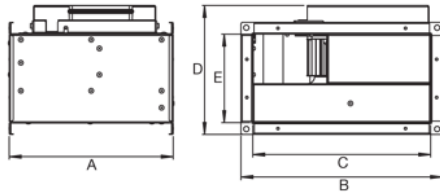
Lwa 6 = Sound power level @outlet

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

■ DCF-506 R



■ DCF-506 T



Dimensions

Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	[Kg]	
Mk.	30/15 TE2	275	338	298	216	148	8,50
	40/20 TE4	324	438	398	268	198	12
	40/20 RE2	502	438	398	266	198	11,90
	50/25 RE2	532	538	498	319	248	15,70
	50/25 TD4	394	538	498	314	248	15,50
	50/30 TE4	420	538	498	364	298	18,60
	50/30 TD4	420	538	498	364	298	18,60
	60/30 TE4	465	638	598	364	298	22,80
	60/30 TD4	465	638	598	364	298	22,60
	60/35 TE6	515	638	598	414	298	27,50
	60/35 TD4-1	515	638	598	414	298	33
	60/35 TD6	515	638	598	414	298	27,40
	70/40 RD4	787	737	697	489	398	46
	70/40 TD4	590	738	698	471	398	50,40
	80/50 RD4	881	837	797	568	497	65,70
	80/50 TD6	660	838	798	571	498	70,10
	100/50 RD4	981	1037	997	568	497	84,50
	100/50 TD6	735	1038	998	571	498	79,80

