

CENTRIFUGAL DUCT TYPE FAN

Rev.01
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GMC DCF-501:

Centrifugal duct fan

The range consists of 6 sizes and 2 types and covers an air flow range up to 1675 m³/h

Application

- designed to be built-in in circular ducts.
- used for ventilation in many applications such as offices, restaurants, technical rooms or other.

Composition

- Backward curved impeller.
- **Mk.100 – Mk.250**: impeller with steel plate and plastic blades.
- **Mk.200LX, Mk.250LX, Mk.315, Mk.315L**: impeller made of galvanized sheet steel
- External rotor motor 230 Vac 1ph, voltage controllable, protection class IP44, insulation class F.
- Integrated automatic thermal contact with automatic restart.
- Maintenance-free, long-life ball bearings.
- Sheet steel housing powder coated RAL 7035.
- Junction box IP44 with capacitor and cable gland.

Accessories

- Electronic controller type **MTY-1**
- Auto transformer type **BTRN**
- Wall console type **MRS 1** (model 100 to 160), **MRS 2** model 160L to 315L)
- Clamping strip type **BMK**
- Safety grill type **BSV**

Text for tender

- The fans shall be of the centrifugal in-line duct type with backward curved impeller and with external 230V rotor motor with thermal protection. IP44, class F, junction box IP44. Sheet steel housing powder coated RAL 7035. The maximum working temperature shall be 50°C to 80°C, depending on the model.



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Air Performance Data

Model		Qv [m³/h]							
		0 Pa	50 Pa	100 Pa	150 Pa	200 Pa	250 Pa	300 Pa	400 Pa
Mk.	100	199	173	147	124	102	78	47	-
	100L	252	219	188	160	131	101	67	-
	125	298	245	196	150	119	84	49	-
	125L	338	291	247	196	152	111	74	-
	160	446	387	332	274	209	148	99	-
	160L	689	616	540	462	390	318	245	99
	200	813	748	672	588	515	430	320	145
	200L	1115	1025	930	840	750	645	540	385
	250	885	820	748	663	572	481	377	160
	250L	1188	1110	1025	940	850	755	668	450
	315	1327	1238	1145	1058	955	863	767	563
	315L	1772	1673	1561	1445	1309	1166	1020	742

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

*Caution: an electronic controller can produce a magnetic noise

