

HIGH-POWERED HORIZONTAL DISCHARGE ROOF EXHAUST FAN

Rev.01
27-05-2015



GMC REF-543:

Backward curved centrifugal fan. The range comprise 12 sizes with different speeds and air volumes from 890 up to 15740 m³/h

Application

- These fans are designed for direct or ducted ventilation in residential, commercial and industrial buildings

Composition

- Backward curved centrifugal fan
- Housing made of aluminium AlMg3
- Speed controllable
- Integrated thermal switch
- Maintenance-free ball bearings

Accessories

- Transformer speed controllers type **BTRN**.
- Roof socket **RAC-I**
- Roof socket **RC-I**
- Flexible connector **RFC**
- Matching flange **RIF**
- Backdraught shutter **RAS**

Order example

- REF-543: Mk.220 E2 + BTRN-1-S1 + RAC-I 280-315

BTRN-1-S1 = Type of controller

RAC-I 280-315 = Type of roof socket



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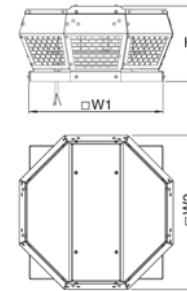


Technical data

Model	V [V]	P [W]	I [A]	Speed Controller	t [°C]	RPM	
Mk.	220 E2	1 x 230	110	0.60	ETY 1.5	60	3186
	250 E4	1 x 230	61	0.40	ETY 1.5	50	1661
	250 E2	1 x 230	210	1.00	ETY 1.5	55	3173
	280 E4	1 x 230	76	0.40	ETY 1.5	70	1228
	280 E2	1 x 230	280	1.30	ETY 1.5	65	2694
	315 E4	1 x 230	125	0.60	ETY 1.5	70	1642
	355 E4	1 x 230	290	2.10	ETY 2.5	60	1736
	400 E4	1 x 230	430	2.40	ETY 2.5	60	1445
	450 D4	1 x 230	640	1.30	ETY 1.5	60	1402
	500 D4	3 x 400	1170	2.50	ETY 2.5	60	1431
	560 D4	3 x 400	1790	3.60	STL 5/D	50	1379
	630 D4	3 x 400	3660	8.50	STL 10/D	55	1450

Air performance data

Model	Qv [m³/h]									
	0Pa	50Pa	100Pa	200Pa	300Pa	500Pa	700Pa	900Pa	1100Pa	
Mk.	220 E2	890	830	770	600	405	-	-	-	-
	250 E4	740	595	410	-	-	-	-	-	-
	250 E2	1430	1350	1260	1075	830	295	-	-	-
	280 E4	1270	1055	800	5	-	-	-	-	-
	280 E2	1850	1750	1635	1370	1080	495	10	-	-
	315 E4	1890	1660	1420	590	-	-	-	-	-
	355 E4	3030	2810	2600	2105	1220	-	-	-	-
	400 E4	4390	4120	3840	3240	2430	-	-	-	-
	450 D4	5790	5495	5160	4445	3570	1160	-	-	-
	500 D4	8260	7955	7600	7010	6265	4570	1385	-	-
	560 D4	11670	11210	10720	9715	8655	5860	2360	-	-
	630 D4	15740	15595	15410	14970	14240	12410	10505	7650	1795



Dimensions

Model	H [mm]	W1 [mm]	W2 [mm]	
Mk.	220 E2	190	337	388
	250 E4	190	337	388
	250 E2	190	337	388
	280 E4	249	437	541
	280 E2	249	437	541
	315 E4	249	437	541
	355 E4	33	598	745
	400 E4	33	598	745
	450 D4	418	670	860
	500 D4	418	670	860
	560 D4	527	931	1165
	630 D4	527	931	1165