

MAXIMIZOR 2100 & 3000



MAXIMIZOR 4500 & 9000 DE-STRATIFICATION FANS

Reznor



MAXIMIZOR

Designed for use in both commercial and industrial applications - particularly where flexibility of building use is required and air heater location for good distribution of air is critical. Maximizor provides additional air movement where the total airflow from the air heaters is insufficient to provide the required number of air re-circulations for the heating system design.

Available in four sizes, all of which are thermostatically controlled, Maximizor offers improved comfort levels and

significant (up to 15%) energy savings.

The range comprises Maximizor 2100, 3000, 4500 and 9000. Depending on the model they are suitable for use in buildings up to 23 metres high.

All Maximizor units except the 2100 model provide adjustable vertical airflows. The 2100 models only provide horizontal air flows via each of the four sides of the unit.

TECHNICAL DATA

MODEL		2100	3000	4500	9000
Air Volume	m ³ /h	2100	3000	4400	8840
Electrical Rating		230V 1N 0 50 Hz			
Current Rating	A	0.54	0.92	1.2	2.1
Absorbed Power	kW	0.12	0.16	0.25	0.41
Sound Pressure Level ¹	Lp db(A)	44	51	52	62
Maximum Mounting Height ²	M	4.0	10	17	23
Minimum Mounting Height ²	M	2.0	3.0	4.0	4.0
Net weight	kg	10	16.5	16	27

Note: 1. Distance of 5.0 metres, 0 = 1, A = 160m². 2. Based on air velocity 0.5 m/s @ 2.0 metres above floor.

PERFORMANCE DATA

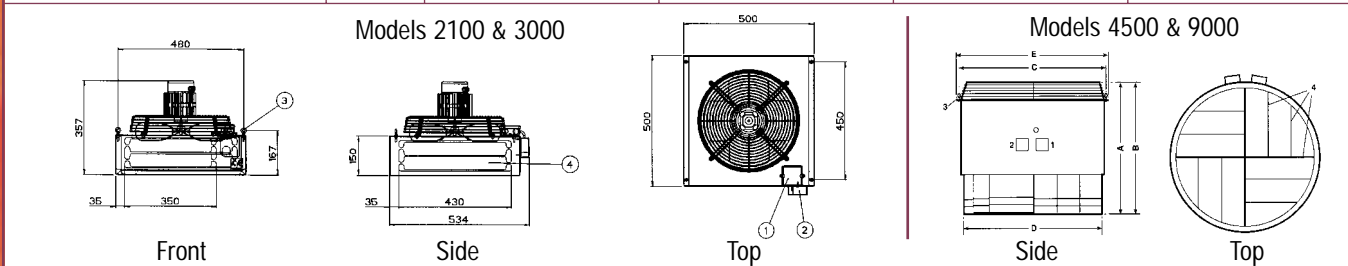
Louvre setting angle I°	Primary air volume V _{prim} m ³ /h			Mounting height to floor H (m)			Effective area covered A x A (m)			
	MODEL SIZE	3000	4500	9000	3000	4500	9000	3000	4500	9000
0°		3000	4400	8840	12.0	19.5	27.0	3.0	4.0	6.0
15°		2900	4300	8620	6.5	10.5	13.5	5.0	6.0	9.0
30°		2830	4150	8400	5.5	9.0	11.0	8.0	13.0	19.0
45°		2780	4000	8180	4.5	7.0	8.5	10.0	17.0	25.0
60°		2730	3800	7960	3.5	5.5	6.0	11.0	19.0	29.0
75°		2670	3600	7740	3.0	4.0	4.0	11.0	19.8	29.0

The number of Maximizors required can be determined from the following formula: $n = V \times 2$
 N.B. There is no applicable performance data for the Maximizor 2100 units. $V_{prim} \times 1.5$
 The airflow on these units is horizontal with 90° louvres at the four sides of the casing.

Where: n = number of Maximizors required (round up)
 v = volume of building m³
 V_{prim} = primary air volume from performance data

DIMENSION DATA

MODEL		2100	3000	4500	9000
Suspension Height	A	167	220	580	645
Overall Height	B	357	420	580	709
Suspension Points	C pos.	□480	□465	ø495	ø645
	qty	4	4	3	4
Body Diameter OD	D	□500	□500	ø475	ø639
Overall Diameter	E	534	-	515	665



Note: 1. Electric Connections. 2. Thermostat. 3. Suspension points. (Models 2100 & 3000 x4 ø10mm, Model 4500 x3 at ø8mm, Model 9000 x4 at ø8mm).
 4. Adjustable louvres.



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