

## Scirocco Ace

- Brushless DC Motor with Plastic Fan Housing and Impeller
- Permanently Lubricated Dual Ball Bearing System
- Current Limiting System with Reverse Polarity Protection
- Color-coded 300mm AWG 24 Leads (stripped and thinned ends)
- Thermal Speed Control Models Available
- Pulse/Lock/Inverse Lock/Low Speed/Inverse Low Speed Sensor Options
- Operating Temperature: -10 °C to +60 °C (No Condensation)
- Storage Temperature: -30 °C to +70 °C (No Condensation)
- Rotational Direction: CW looking at label
- Dielectric Strength: 50/60 Hz, 500 VAC, one (1) minute (between lead conductor and frame)
- Mass: 100g to 580g



### 76 x 76 x 30mm

Click on Model No in red to view air performance curves

Airflow	Airflow	Static Pressure	Static Pressure	Nominal Voltage	Voltage Range	Sound Pressure	Power Input	Nominal Speed	Model No.
m <sup>3</sup> /min	CFM	Pa	inch/H <sub>2</sub> O	V	V	dB(A)	W	min <sup>-1</sup>	
0.36	12.7	151.9	0.61	12	10.2 - 13.8	42	4.44	3000	<a href="#">109BD12HA2</a>
0.31	10.9	98.0	0.39	12	10.2 - 13.8	37	3.24	2600	<a href="#">109BD12FA2</a>
0.25	8.8	58.8	0.24	12	10.2 - 13.8	33	1.68	2100	<a href="#">109BD12MA2</a>
0.36	12.7	151.9	0.61	12	20.4 - 27.6	42	4.08	3000	<a href="#">109BD24HA2</a>
0.31	10.9	98.0	0.39	12	20.4 - 27.6	37	3.36	2600	<a href="#">109BD24FA2</a>
0.25	8.8	58.8	0.23	12	20.4 - 27.6	33	2.40	2100	<a href="#">109BD24MA2</a>

Click to view dimensional drawings

- [Models without sensor](#)
- [Models with sensor](#)

### 120 x 120 x 32mm

Click on Model No in red to view air performance curves

Airflow	Airflow	Static Pressure	Static Pressure	Nominal Voltage	Voltage Range	Sound Pressure	Power Input	Nominal Speed	Model No.
m <sup>3</sup> /min	CFM	Pa	inch/H <sub>2</sub> O	V	V	dB(A)	W	min <sup>-1</sup>	
0.78	27.5	175.4	0.70	12	10.2 - 13.8	52	7.20	2400	<a href="#">109BF12HA2</a>
0.61	21.5	109.8	0.44	12	10.2 - 13.8	44	3.84	1900	<a href="#">109BF12MA2</a>
0.52	18.2	77.2	0.31	12	10.2 - 13.8	42	4.20	1650	<a href="#">109BF12LA2</a>
0.78	27.5	175.4	0.70	24	20.4 - 27.6	52	7.20	2400	<a href="#">109BF24HA2</a>
0.61	21.5	109.8	0.44	24	20.4 - 27.6	44	3.84	1900	<a href="#">109BF24MA2</a>

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- [Models without sensor](#)
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### 127 x 127 x 32mm

Click on Model No in red to view air performance curves

Airflow	Airflow	Static Pressure	Static Pressure	Nominal Voltage	Voltage Range	Sound Pressure	Power Input	Nominal Speed	Model No.
m <sup>3</sup> /min	CFM	Pa	inch/H <sub>2</sub> O	V	V	dB(A)	W	min <sup>-1</sup>	
0.91	32.0	306.3	1.23	12	10.2 - 13.8	51	9.60	2800	<a href="#">109BJ12SC2*</a>
0.78	27.5	205.8	0.86	12	10.2 - 13.8	46	6.24	2400	<a href="#">109BJ12HA2</a>
0.61	21.5	109.8	0.44	12	10.2 - 13.8	40	3.48	1900	<a href="#">109BJ12MA2</a>
0.78	27.5	205.8	0.86	24	20.4 - 27.6	46	6.24	2400	<a href="#">109BJ24HA2</a>
0.61	21.5	109.8	0.44	24	20.4 - 27.6	40	3.60	1900	<a href="#">109BJ24MA2</a>

Click to view dimensional drawings

■ [Models without sensor](#)

■ [Models with sensor](#)

### 160 x 160 x 40mm

Click on Model No in red to view air performance curves

Airflow	Airflow	Static Pressure	Static Pressure	Nominal Voltage	Voltage Range	Sound Pressure	Power Input	Nominal Speed	Model No.
m <sup>3</sup> /min	CFM	Pa	inch/H <sub>2</sub> O	V	V	dB(A)	W	min <sup>-1</sup>	
1.62	57.2	313.6	1.26	12	10.2 - 13.8	55	15.6	2300	<a href="#">109BG12HA1</a>
1.26	44.5	156.8	0.63	12	10.2 - 13.8	50	7.68	1800	<a href="#">109BG12MA1</a>
1.62	57.2	313.6	1.26	24	20.4 - 27.6	55	14.9	2300	<a href="#">109BG24HA1</a>
1.26	44.5	156.8	0.63	24	20.4 - 27.6	50	7.44	1800	<a href="#">109BG24MA1</a>

Click to view dimensional drawings

■ [Models without sensor](#)

■ [Models with sensor](#)

- Notes: (1) Listed models are non-sensor types (exceptions: \*pulse sensor type)  
 (2) Airflow, power input, speed and noise ratings are at nominal voltage against zero static pressure.  
 (3) Static pressure ratings are at nominal voltage against zero air flow.  
 (4) Noise ratings are average values as measured from a point one (1) meter from intake of fan suspended in an anechoic chamber.  
 (5) Air performance curves show fan outputs with unobstructed inlets and outlets.  
 (6) Some model types are without UL, CSA and TÜV approvals.