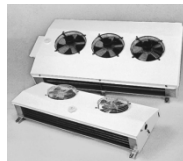
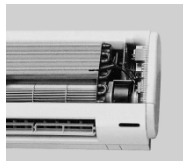


S-Force

*Game-Changing Technology
in Fans*



ebmpapst

S-Force

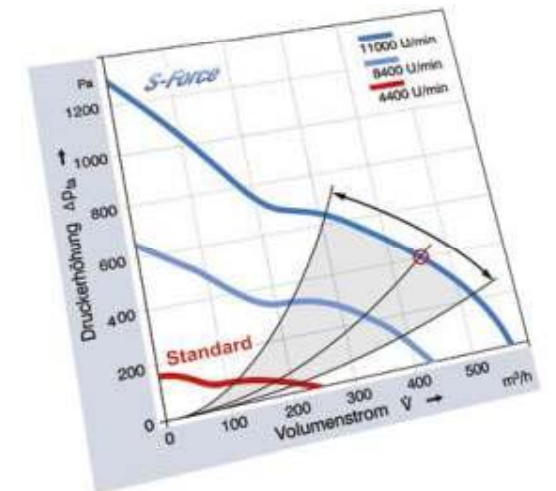


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S-Force Advantages

- **Airflow**
 - > Superior Air Flow in All 5 Sizes
- **Static Pressure**
 - > Highest Static Pressure by Fan Size in the Market Today
- **Efficiency**
 - > S-Force Fans Are Much More Efficient Over the Optimum Operating Range



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Target Markets

- **IT / Telecom**
 - > Switch Cabinet Cooling
 - > Servers
 - > Base Stations
 - > ATCA
- **Power Supplies**
- **Printing Machinery**
- **Frequency Inverters**
- **Military Applications**
- **Heat Exchangers**
- **Air Conditioning**



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Availability

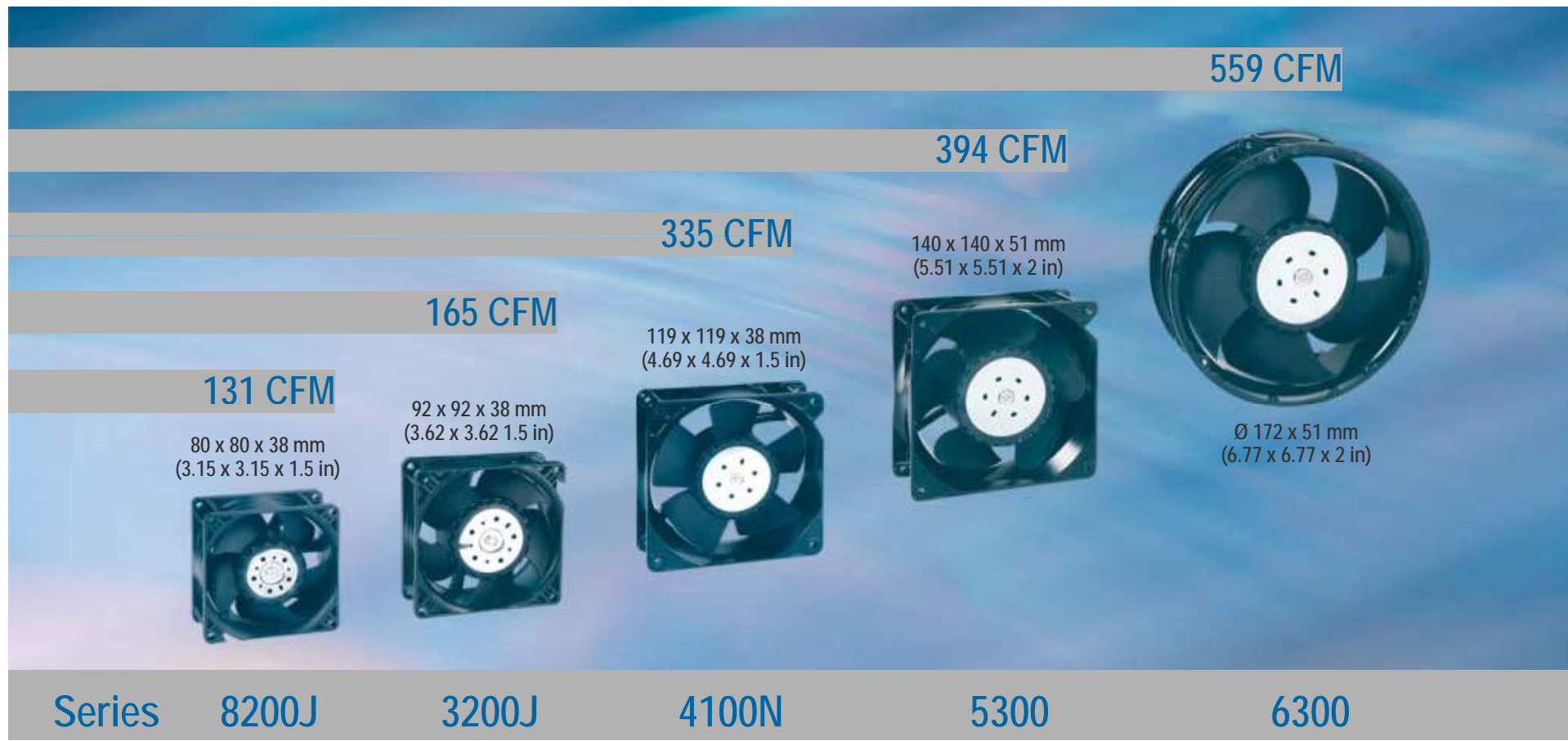
- S-Force Axial Fans Are Available in 5 Sizes from 80 to 172 mm Diameter
- New S-Force Radial Fans Will Be Available at the End of 2008



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Generation S-Force



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Series 8200J

80 x 38 mm

Sensorless EC-Motor. Ferrit magnet.

Motor efficiency 89 %

New Multi Strut housing

Flow rate	CFM	78 ... 131
-----------	-----	------------

Pressure	in. of H ₂ O	1.8 ... 2.6
----------	-------------------------	-------------

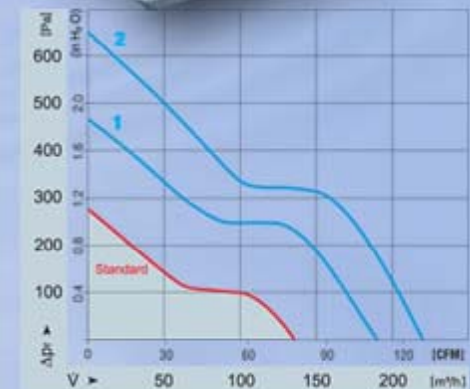
Voltage	V DC	12 24 48
---------	------	--------------

Noise	dB(A)	66 ... 71
-------	-------	-----------

Power Input	W	25 ... 39
-------------	---	-----------

Speed max.	RPM	14 000
------------	-----	--------

L ₁₀ max.	hours	55 000
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Series 3200J

92 x 38 mm

Sensorless EC-Motor. Ferrit magnet.

Motor efficiency 89 %

New Multi Strut housing

Flow rate	CFM	139 ... 165
-----------	-----	-------------

Pressure	in. of H ₂ O	2.0 ... 2.8
----------	-------------------------	-------------

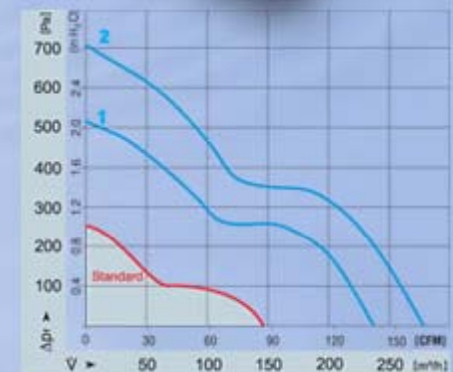
Voltage	V DC	12 24 48
---------	------	--------------

Noise	dB(A)	69 ... 73
-------	-------	-----------

Power Input	W	30 ... 50
-------------	---	-----------

Speed max.	RPM	13 000
------------	-----	--------

L10 max.	hours	65 000
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Series 4100N

119 x 38 mm

Sensorless EC-Motor. SmFeN magnet.

Motor efficiency 85 %

Metal fan housing, impeller of plastic

Flow rate	CFM	294 ... 335
-----------	-----	-------------

Pressure	in. of H ₂ O	3.8 ... 5.0
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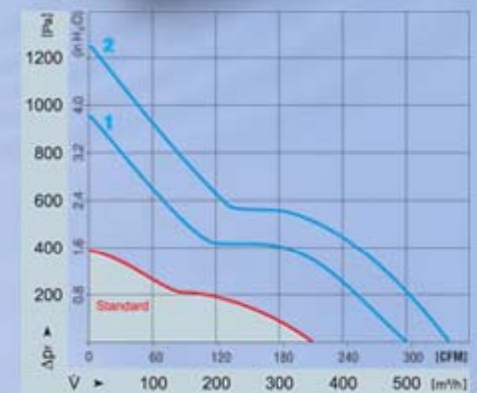
Voltage	V DC	24 48
---------	------	---------

Noise	dB(A)	76 ... 78
-------	-------	-----------

Power Input	W	90 ... 120
-------------	---	------------

Speed max.	RPM	11 000
------------	-----	--------

L ₁₀ max.	hours	57 500
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Series 5300

140 x 51 mm

Sensorless EC-Motor. Ceramic magnet.

Motor efficiency 85 %

Metal fan housing, impeller of plastic

Flow rate	CFM	241 ... 394
-----------	-----	-------------

Pressure	in. of H ₂ O	2.4 ... 5.4
----------	-------------------------	-------------

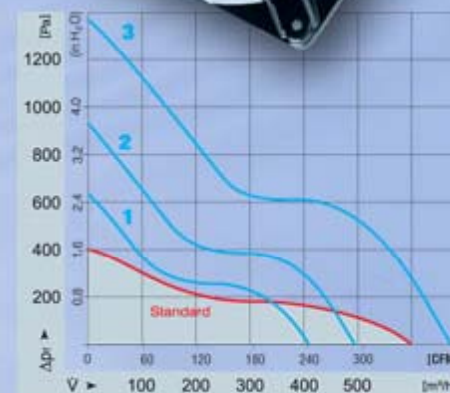
Voltage	V DC	12 24 48
---------	------	--------------

Noise	dB(A)	70 ... 79
-------	-------	-----------

Power Input	W	41 ... 144
-------------	---	------------

Speed max.	RPM	9 200
------------	-----	-------

L10 max.	hours	70 000
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Series 6300

172 x 51 mm

Sensorless EC-Motor. Ceramic magnet.

Motor efficiency 85 %

Metal fan housing, impeller of plastic

Flow rate	CFM	353 ... 530
-----------	-----	-------------

Pressure	in. of H ₂ O	2.2 ... 4.6
----------	-------------------------	-------------

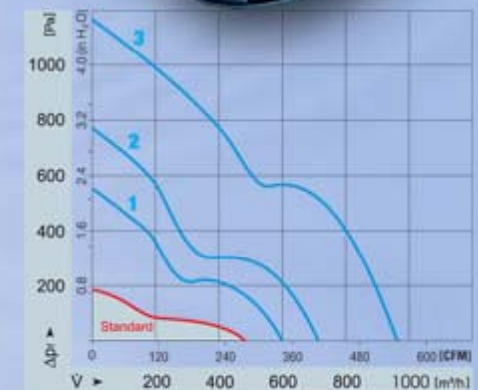
Voltage	V DC	12 24 48
---------	------	--------------

Noise	dB(A)	64 ... 75
-------	-------	-----------

Power Input	W	41 ... 150
-------------	---	------------

Speed max.	RPM	9 200
------------	-----	-------

L10 max.	hours	70 000
----------	-------	--------



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S-Force

Imagine that in future, we suddenly offered one of our best compact fans with five times the motor output and nearly double the nominal speed. This fan would offer by far the highest air flow and the highest pressure of all products available in its size. At operating points with high counterpressure, it would provide outstanding cooling air flow and – as is typical for ebm-papst – exemplary motor efficiency and long service life. Now imagine that we have already done it. With an entire series. Unleash the beast and experience the S-Force, the new premium class of high-performance compact fans. www.sforce.ebm-papst.com

The engineer's choice **ebm**papst

*Thank You
for
Your Attention*



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