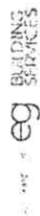




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email: info@egbuildingservices.co.uk
Tel: +44 (0)1384 275800 Fax: +44 (0)1384 275810
46 Third Avenue, Pensnett Trading Estate
Kingswinford, West Midlands DY6 7US
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Quotation 50K-0318-260

Fans

Project: Kitchen Extract Fan Unit

Consulting Engineer:

Location	Designation	Catalogue No.	Description	Qty.	Vol. (m³/s)	Press (Pa)	Speed (r/min)	Motor Power	Motor Type	Electrical Supply	Inlet Sound Spectra(dBW)					SPL (dBA)			
											63	125	250	500	1K	2K	4K	8K	
KEF1		SLC560/4B-1AC	Axial Duct	1	2.48	200	1460	1.10kW		230V 1ph 50Hz	77	74	80	75	75	74	72	66	60@ 3m



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Technical Data - Fan Model SLC560/4B-1AC

Location: KEF1

Designation:

Performance - Required

Air Flow : 2.48 m³/s
 Static Pressure : 200 Pa
 Selection Pressure: 200 Pa
 Installation Type: n/a
 Air Density: 1.204 kg/m³
 - Atmos. Temp: 20 °C
 - Altitude: m
 - Humidity: 0.0 %

Actual

Air Flow: 2.48 m³/s
 Static Pressure: 200 Pa
 Total Pressure: 262 Pa

Fan Data

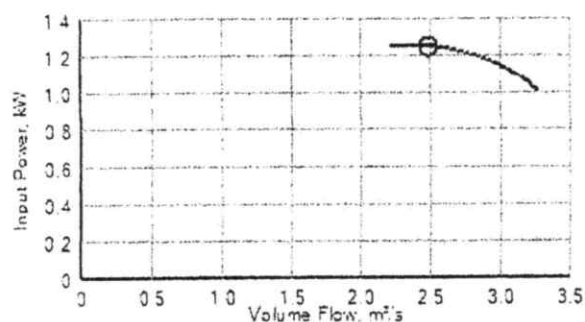
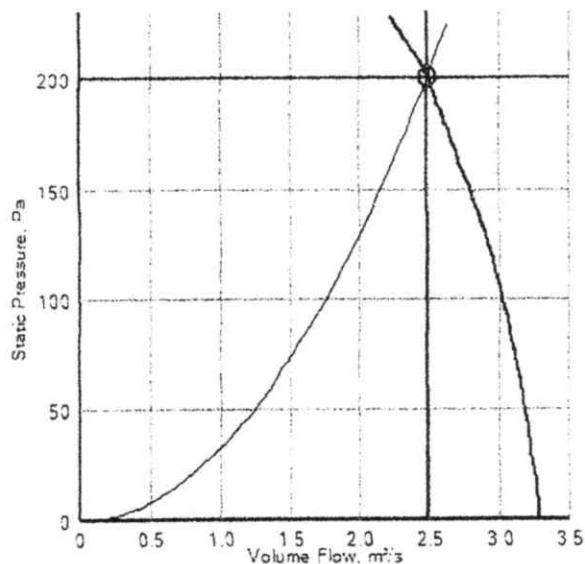
Catalogue Code: SLC560/4B-1AC
 Description: Axial Duct

Diameter: 560 mm
 Impeller Type: Axial
 Blade Material: -
 Speed: 1460 RPM @50 Hz
 Power, Abs: 1.00
 Efficiency Total: 65.1%
 SFP: 0.50
 Fan Weight: 50.0 kg

Peak: 1.00
 Static: 49.9%

Motor Data (at STP)

Motor Type:
 Electrical Supply: 230V 1ph 50Hz
 Motor Frame: 90
 Motor Power: 1.10kW
 FLC/Start (DOL): 6.38A / 37.00A
 Motor Speed: 4 pole
 Motor Efficiency: 79.3%



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	77	74	80	75	75	74	72	66	85	60
Outlet (dB):	79	73	78	75	75	74	72	67	84	60

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.



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Technical Data - Fan Model SLC560/4B-1AC

Location: KEF1

Designation:

Energy Related Product Data

Overall Efficiency:	40.3%	At Maximum Efficiency Point	
Measurement Category:	C	Input Power:	1.26 kW
Efficiency Category:	Static	Air Flow:	2.33 m ³ /s
FMEG:	46	Pressure:	217 Pa
Specific Ratio:	1	Speed:	1460 r/min

Drawing for Fan model SLC560/4B-1AC

