Fläkt Woods Limited

Technical Data Sheet

JM Aerofoil

Project Name	:	Date:	: Friday, May 13, 2011
Quotation Number	:	Fan Code	: 40JM/16/4/5/40
Customer	:	Item Reference:	:

Fan Code	40JM/16/4/5/40
Fan Diameter / Size	400mm
Blades	5
Fan Speed	1420 rpm
Velocity	8.3 m/s
Blade Angle	40°
Form of Running	B
Fan Casing	Long
Requested Duty	1.04m³/s @ 105Pa (static)
Outlet Dynamic Pressure	41 Pa
Duty Shaft Power	0.265kW
Max Shaft Power	0.271kW
Total Efficiency	57 %
Motor Frame	BT9
Motor Rating	0.320kW
Full Load Current	2.2A
Starting Current	5 A
Motor Mounting	Pad
Electrical Supply	220-240 Volts 50 Hz 1 Phase
Start Type	DOL
Motor Winding	Standard
Enclosure	Standard All
Air Density	1.2 kg/m³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	DX411452

Performance data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with ISO 5801 and is specifically applicable for Ducted installations. When an electronic controller is incorporated, enhanced motor noise can occur - particularly when the operating speed is well below maximum. FWL therefore recommend using an auto transformer speed controller for noise sensitive applications.

Acoustic data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with BS 848 Pt 2, 1985 under Ducted conditions. The single figure provided is the overall Inlet sound pressure level at the specified distance, under spherical, free field conditions. Breakout levels stated are estimated from induct sound power levels and are provided for guidance.

Terms and Conditions: This offer is made subject to the terms and conditions detailed on the accompanying letter.

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	75	73	71	70	65	62	58	53	79	51
Outlet*	76	75	71	70	66	64	60	55	80	52
Breakout*	66	60	51	49	40	35	35	32	67	30

* Lw dB re 10^{-12} W ** dBA re $2x10^{-5}$ Pa

Description	Qty	Unit Price	Price
Fan			
40JM/16/4/5/40	1	enquire	enquire
Fan Accessories (Quantities per Fan)			
Thermostat	1	enquire	enquire
Estimated Despatch: enquire			
TOTAL PRICE FAN AND ACCESSORIES (leadtimes subject to parts availability)			enquire

1st Floor, Entrance 6, Crossford Court, Dane Road
Sale, Cheshire, M33 7BZ
Tel: 0161 969 1992 Fax: 0161 969 4612
Website: www.flaktwoods.com
Email: mark.williamson@flaktwoods.com
Copyright Fläkt Woods Group 2003 - 2011