



Fan Code	90JM/25/4/9/18 [Express]
Fan Diameter / Size	900 Size / mm
Blades	9
Fan Speed	1440 rpm
Velocity	14.3 m/s
Blade Angle	18°
Installation Type / Form of Running	D / B (Horizontal)
Fan Casing	Long

Requested Duty	32641m ³ /h @ 302 Pa (static)
Outlet Dynamic Pressure	122 Pa

Duty Shaft Power	5.44 kW
Max Shaft Power	6.32 kW
Total Efficiency	70.9 %

Motor Frame	132M [Class F]
Motor Rating	9.00 kW [IE2]
Full Load Current	17.1 A
Starting Current	100.89 A
Motor Mounting	Pad
Electrical Supply	380-420 Volts 50 Hz 3 Phase
Start Type	DOL
Motor Winding	Standard
Enclosure	Standard All

ErP [FMEG] Rating	N 68 (ErP Compliant 2015)
ErP [FMEG] Target	N 64
FMEG Blade Angle [Range]	22° [8° - 24°]
Measurement Category	D (Total)
VSD	N
Fan + Motor Efficiency	67.5% (9.47 m³/s @ 589 Pa)
Motor Input Power (ErP)	8.26 kW

SFP value	0.67 W/(l/s) @ Requested Duty
Power from mains	6.11 kW
Energy Consumption	18329 kWh (3000 h/year)
Running Cost / Year	£1283

Air Density	1.2 kg/m ³ / 20 °C / 0 m / 40% RH
Smoke Venting	Non Smoke Venting
Product Number	EE931473

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. Bifurcateds are Erp exempt when used continuously at >100C. They are not for use in the EEA at lower temperatures.

Acoustic data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with BS 848 Pt 2, 1985 / ISO 5136 under Ducted conditions. The LpA figure provided is the overall Inlet sound pressure level calculated at the specified distance, under spherical, free field conditions. Breakout levels stated are estimated from induct sound power levels and are provided for guidance.

Acoustic figures for adjusted running speeds have been interpolated and are for reference only.

This Offer is made subject to the latest version of our A100-19 Terms and Conditions, a copy of which can be made available on request.

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	90	87	91	91	90	88	84	79	98	74
Outlet*	90	88	92	91	90	88	85	81	98	74
Breakout*	80	65	64	64	63	59	64	58	81	49

* Lw dBA re 10⁻¹² W ** dBA re 2x10⁻⁵ Pa

Sound data at requested duty.

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