

Quotation Number	: KP79721	Project Code	:
Project Name	: Canopy Extract	Customer	: Hamza
Item Reference:	:	Date:	: Thursday, June 13, 2024

Fan Code	63JM/20/4/6/18
Fan Diameter / Size	630 Size / mm
Blades	6
Fan Speed	1420 rpm
Velocity	8.2 m/s
Blade Angle	18°
Installation Type / Form of Running	C / B (Horizontal)
Fan Casing	Long

Requested Duty	2.52m³/s @ 209 Pa (static)
Outlet Dynamic Pressure	40 Pa

Duty Shaft Power	0.954 kW
Max Shaft Power	1.02 kW
Total Efficiency	67.9 %

Motor Frame	CT9 [Class F]
Motor Rating	0.970 kW
Full Load Current	6.9 A
Starting Current	13.5 A
Motor Mounting	Pad
Electrical Supply	220-240 Volts 50 Hz 1 Phase
Start Type	DOL
Motor Winding	Standard
Enclosure	Standard All

ErP [FMEG] Rating	N 41 (ErP Compliant)
ErP [FMEG] Target	N 40
FMEG Blade Angle [Range]	18° [14° - 18°]
Measurement Category	C (Static)
VSD	N
Fan + Motor Efficiency	36.1% (2.29 m³/s @ 248 Pa)
Motor Input Power (ErP)	1.58 kW

SFP value	0.61 W/(l/s) @ Requested Duty
Power from mains	1.55 kW
Energy Consumption	4653 kWh (3000 h/year)
Running Cost / Year	£558

Air Density	1.2 kg/m ³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	DX641453

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. Our lead times will be re-confirmed on receipt of manufacturing release and may be subject to change.

	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	78	83	82	79	76	75	71	65	88	62
Outlet*	78	84	82	79	76	76	72	67	89	63
Breakout*	78	84	82	79	76	76	72	67	89	63

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

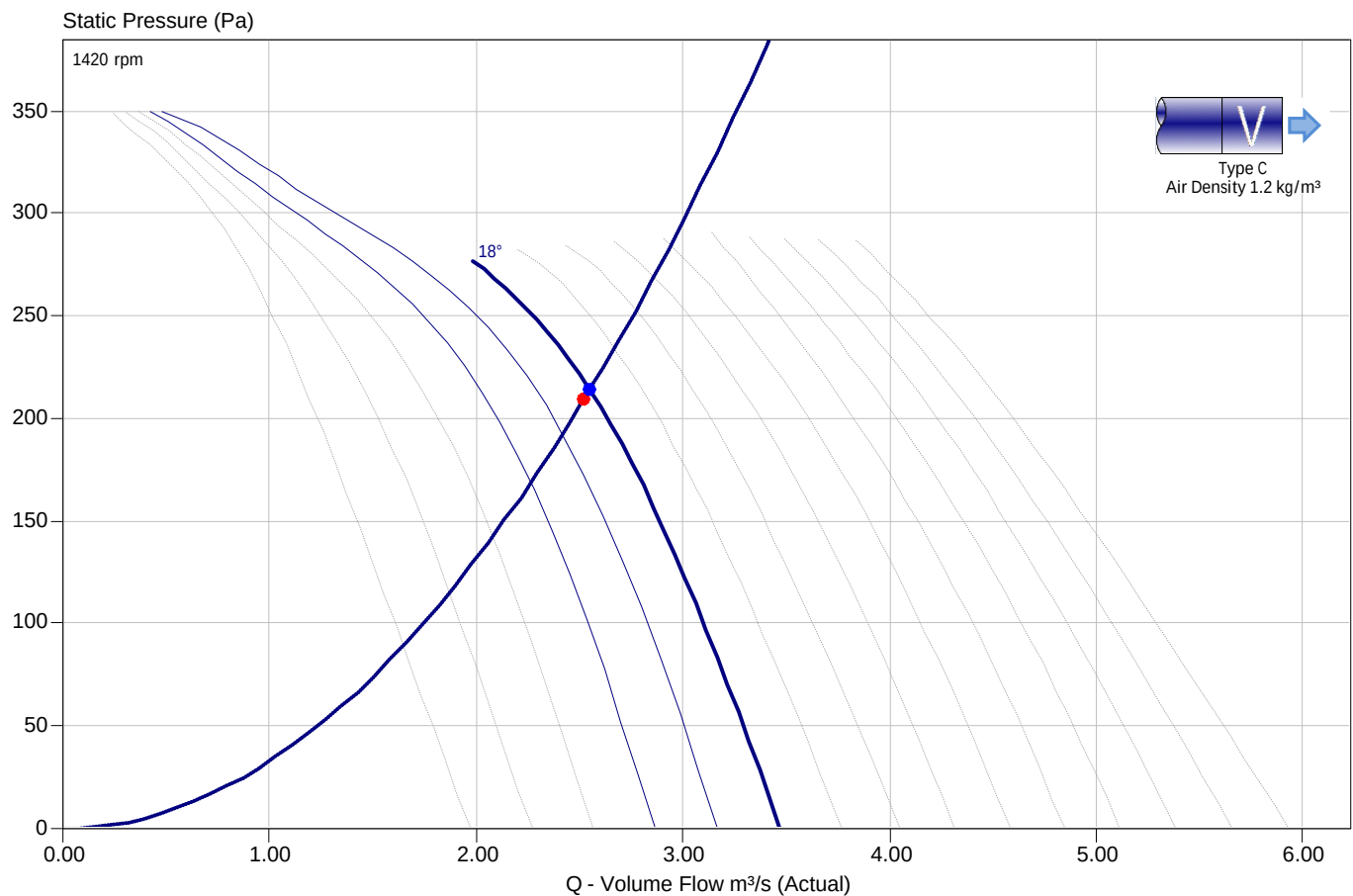
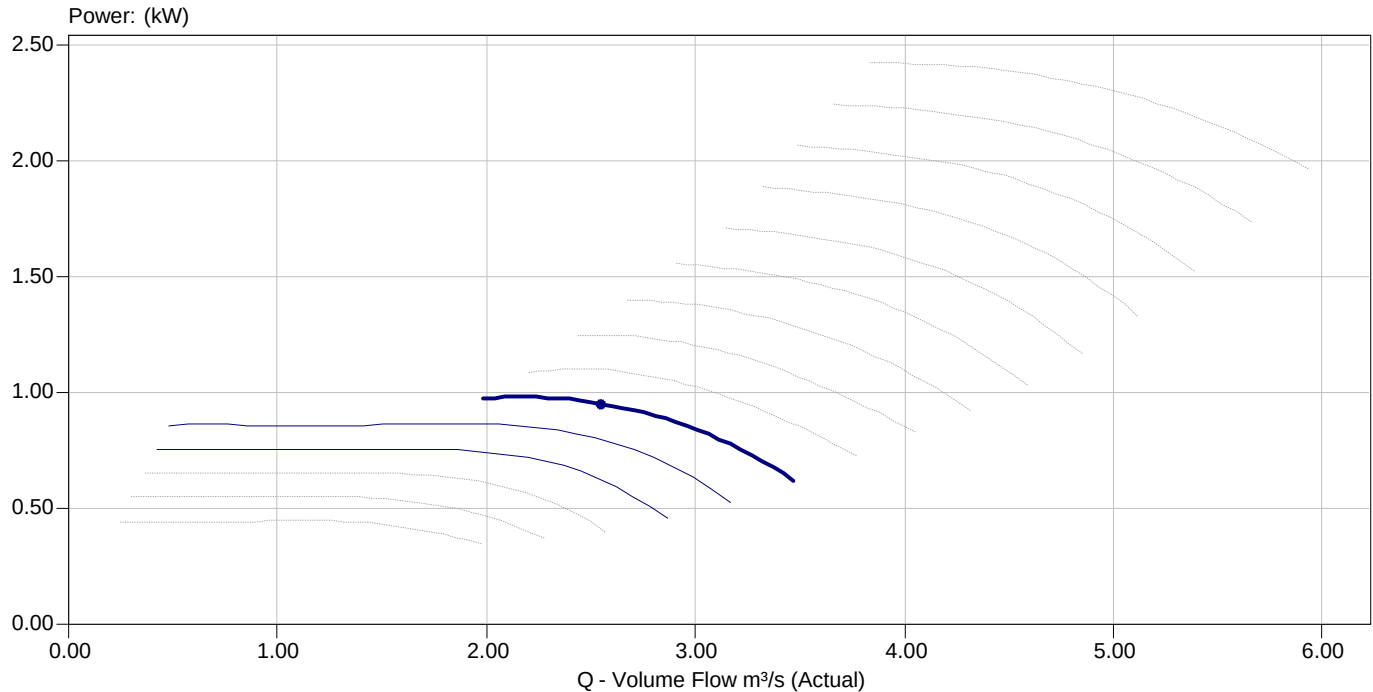
* Lw dB re 10^{-12} W
Sound data at requested duty.

Description	Qty
Fan DX641453 - 63JM/20/4/6/18	1
Accessories Thermostat	1



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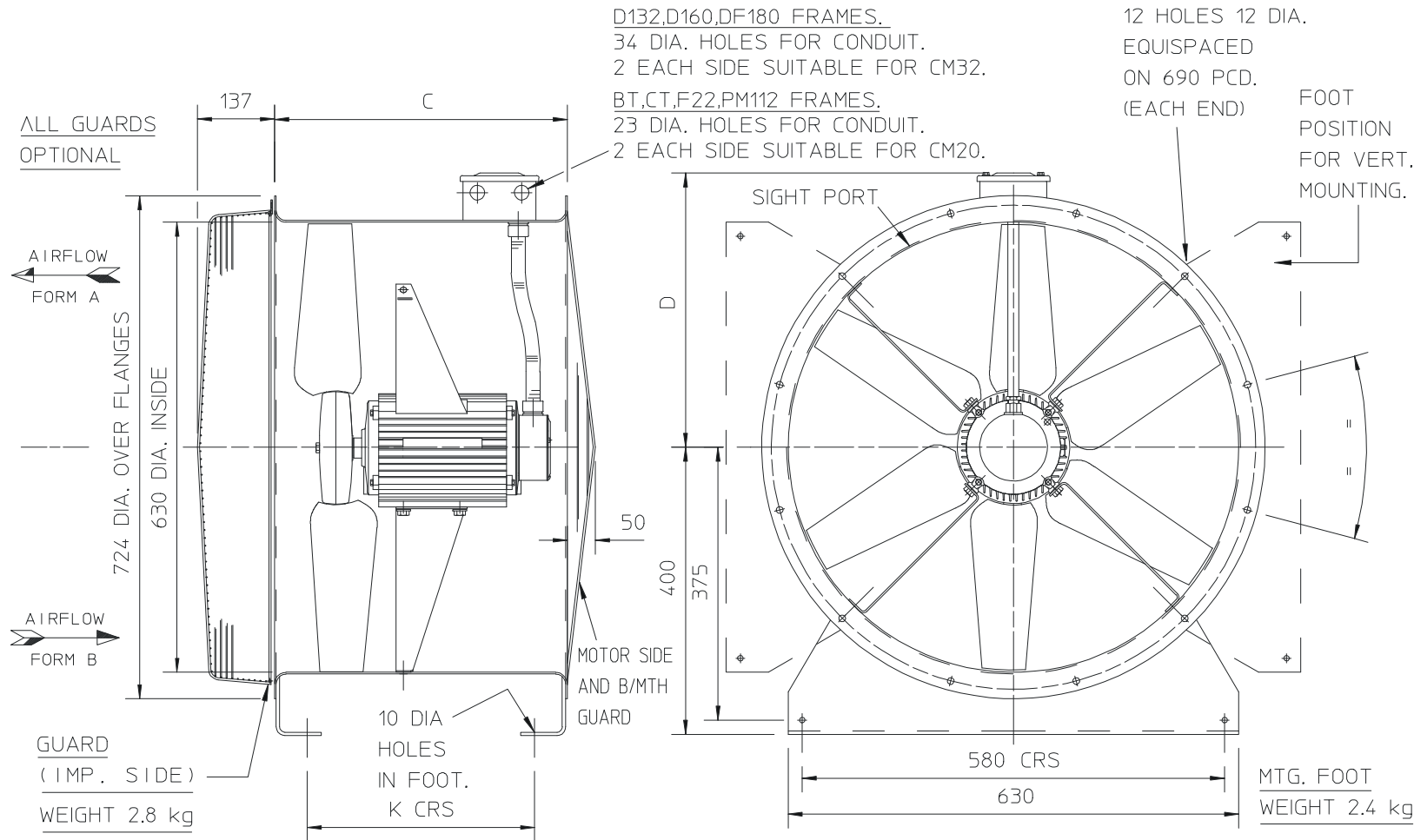
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C	375
D	403
K	289
Weight (kg)	52

Notes : Dimensions shown in mm / Weight in kg

Reference:D248976

This drawing shows dimensions that should be used as a guide only and are subject to change. Certified drawings are available on request.