

Quotation Number	:	Project Code	:	BO-22888-1
Project Name	:	Customer	:	Mainland Catering
Item Reference:	:	Date:	:	Monday, October 12, 2020

Fan Code	45JM/16/4/5/24
Fan Diameter / Size	450 Size / mm
Blades	5
Fan Speed	1420 rpm
Velocity	6.4 m/s
Blade Angle	24°
Installation Type / Form of Running	C / B (Horizontal)
Fan Casing	Long
Requested Duty	1m³/s @ 131 Pa (static)
Outlet Dynamic Pressure	24 Pa
Duty Shaft Power	0.240 kW
Max Shaft Power	0.246 kW
Total Efficiency	67.1 %
Motor Frame	BT9 [Class F]
Motor Rating	0.320 kW
Full Load Current	2.2 A
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
ErP [FMEG] Rating	N 43 (ErP Compliant)
ErP [FMEG] Target	N 40
FMEG Blade Angle [Range]	24° [24° - 30°]
Measurement Category	C (Static)
VSD	N
Fan + Motor Efficiency	34.9% (0.97 m³/s @ 141 Pa)
Motor Input Power (ErP)	0.393 kW
SFP value	0.39 W/(l/s) @ Requested Duty
Power from mains	0.39 kW
Energy Consumption	1175 kWh (3000 h/year)
Running Cost / Year	£141
Air Density	1.2 kg/m³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	EJ461466

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*	74	73	69	67	63	62	58	54	78	49
Outlet*	75	73	69	67	63	62	59	55	78	49
Breakout*	75	73	69	67	63	62	59	55	78	49

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

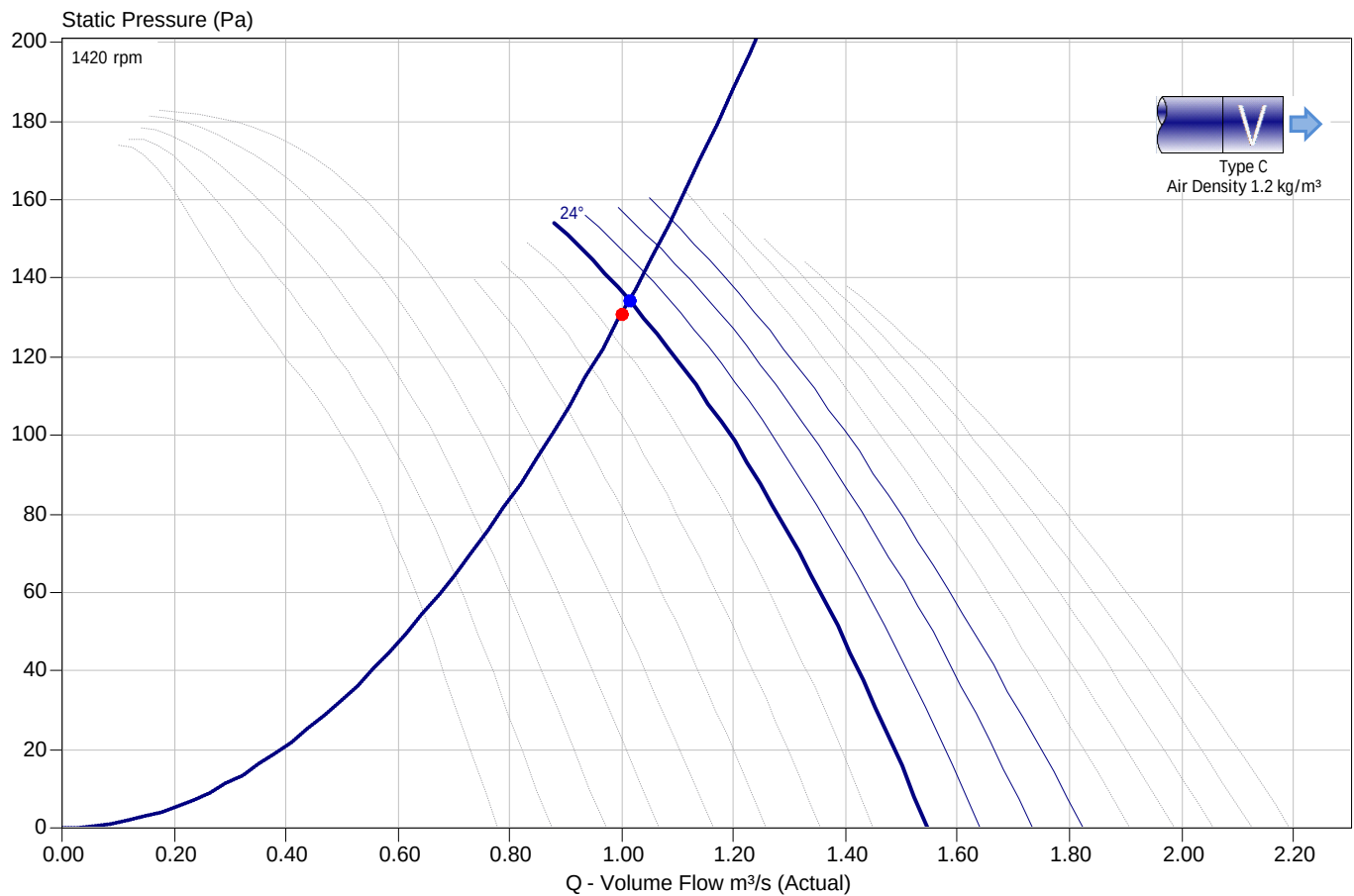
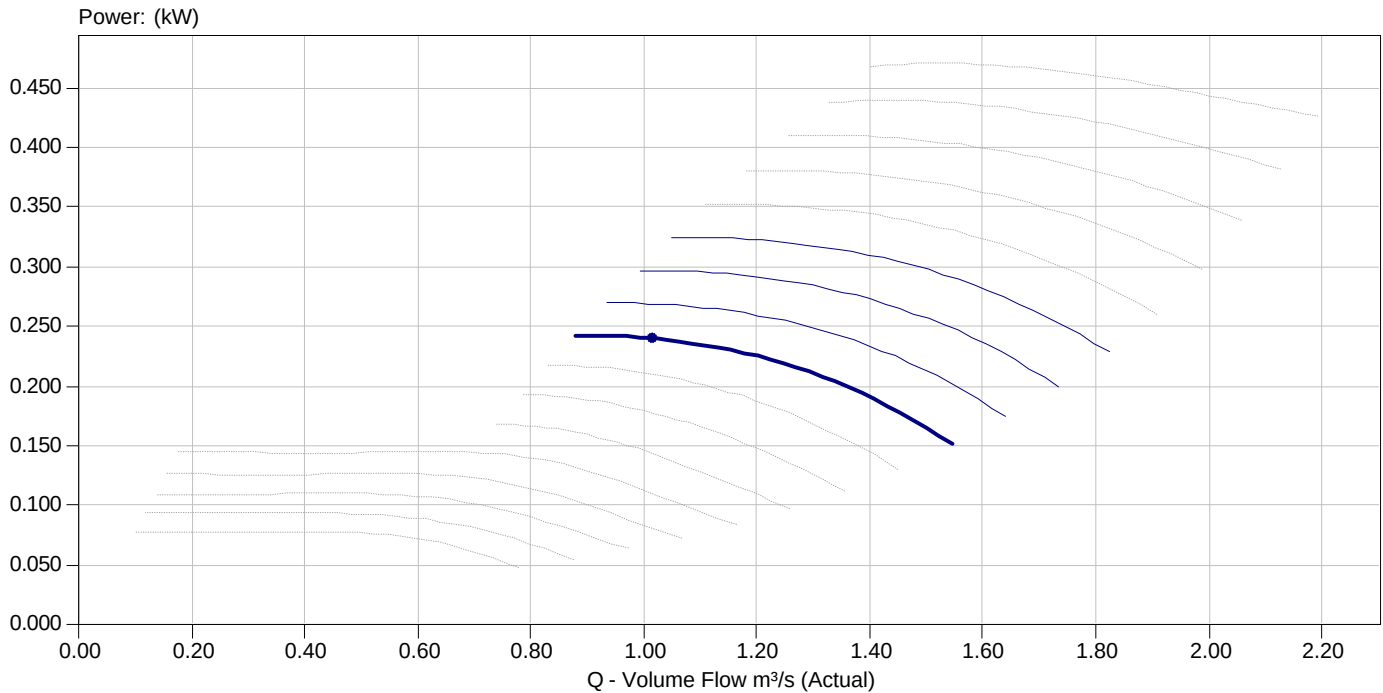
* Lw dB re 10^{-12} W
Sound data at requested duty.

Description	Qty
Fan EJ461466 - 45JM/16/4/5/24	1
Accessories Thermostat	1



Quotation Number :
Project Name : Karak Chaai
Item Reference :

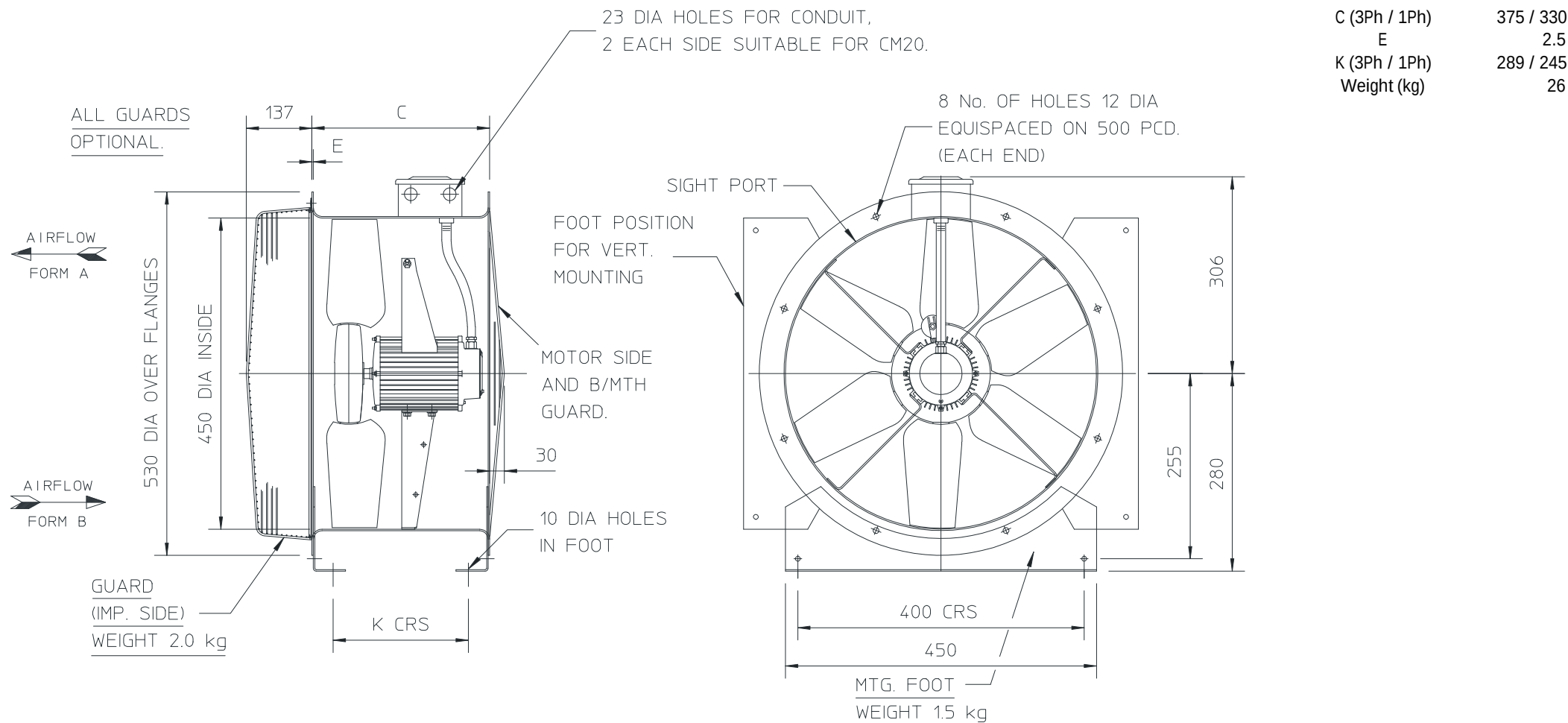
Project Code : BO-22888-1
Customer : Mainland Catering
Date : Monday, October 12, 2020
Fan Code : 45JM/16/4/5/24





Quotation Number :
Project Name : Karak Chaai
Item Reference :

Fan Code : 45JM/16/4/5/24
Customer : Mainland Catering
Date : Monday, October 12, 2020



Notes : Dimensions shown in mm / Weight in kg

Reference:D269015

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

Unit E1 Logford Trading Estate
Thomas Street, Stretford, M320JT
Tel: 01618641777 Fax: 01618642777

Website: nfan.co.uk
Email: jon@nfan.co.uk
Copyright Fläkt Group 2003 - 2020