

Quotation Number	:	Project Code	:	BO-22863-1
Project Name	:	Customer	:	Mainland Catering
Item Reference:	:	Date:	:	Monday, October 12, 2020

Fan Code	50 Maxfan Compac
Fan Diameter / Size	500 Size / mm
Fan Speed	2910 rpm
Velocity	10.2 m/s
Blade Angle	16°
Installation Type / Form of Running	D / AB (Vertical)
Fan Casing	Long
Requested Duty	1.77m³/s @ 533 Pa (static)
Actual Duty	2.01m³/s @ 686 Pa (static)
Outlet Dynamic Pressure	63 Pa

Duty Shaft Power	2.19 kW
Max Shaft Power	2.35 kW
Total Efficiency	68.5 %

Motor Frame	90L [Class F]
Motor Rating	2.64 kW [IE2]
Full Load Current	9.36 A
Starting Current	52.8 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 64 (ErP Compliant 2015)
ErP [FMEG] Target	N 64
FMEG Blade Angle [Range]	0° [0° - 0°]
Measurement Category	D (Total)
VSD	N
Fan + Motor Efficiency	60.5% (2.44 m³/s @ 604 Pa)
Motor Input Power (ErP)	2.44 kW

SFP value	1.31 W/(l/s) @ Actual Duty
Power from mains	2.63 kW
Energy Consumption	7896 kWh (3000 h/year)
Running Cost / Year	£948

Air Density	1.2 kg/m ³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	E1513266

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.

The MaXfan Compac includes a preprogrammed inverter drive to operate via 1 phase supply, offering full speed control and optimised performance.

Acoustic data has been derived from tests carried out in a Flakt Woods laboratory, in accordance with BS 848 Pt 2, 1985 / BS EN ISO 5136 under Ducted conditions. The single figure provided is the overall Inlet sound pressure level at the specified distance, under spherical, free field conditions.

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*	91	86	95	97	95	93	88	85	102	79
Outlet*	92	86	97	97	95	93	88	86	102	79
Breakout*	82	68	75	74	70	65	66	62	84	55

* Lw dB re 10^{-12} W

Sound data at actual duty.

** dBA re 2×10^{-5} Pa

Description	Qty
Fan	
EJ513266 - 50 MaXfan Compac	1
Accessories	
Inverter	1
Thermistors	1



Northern Fan Supplies Ltd

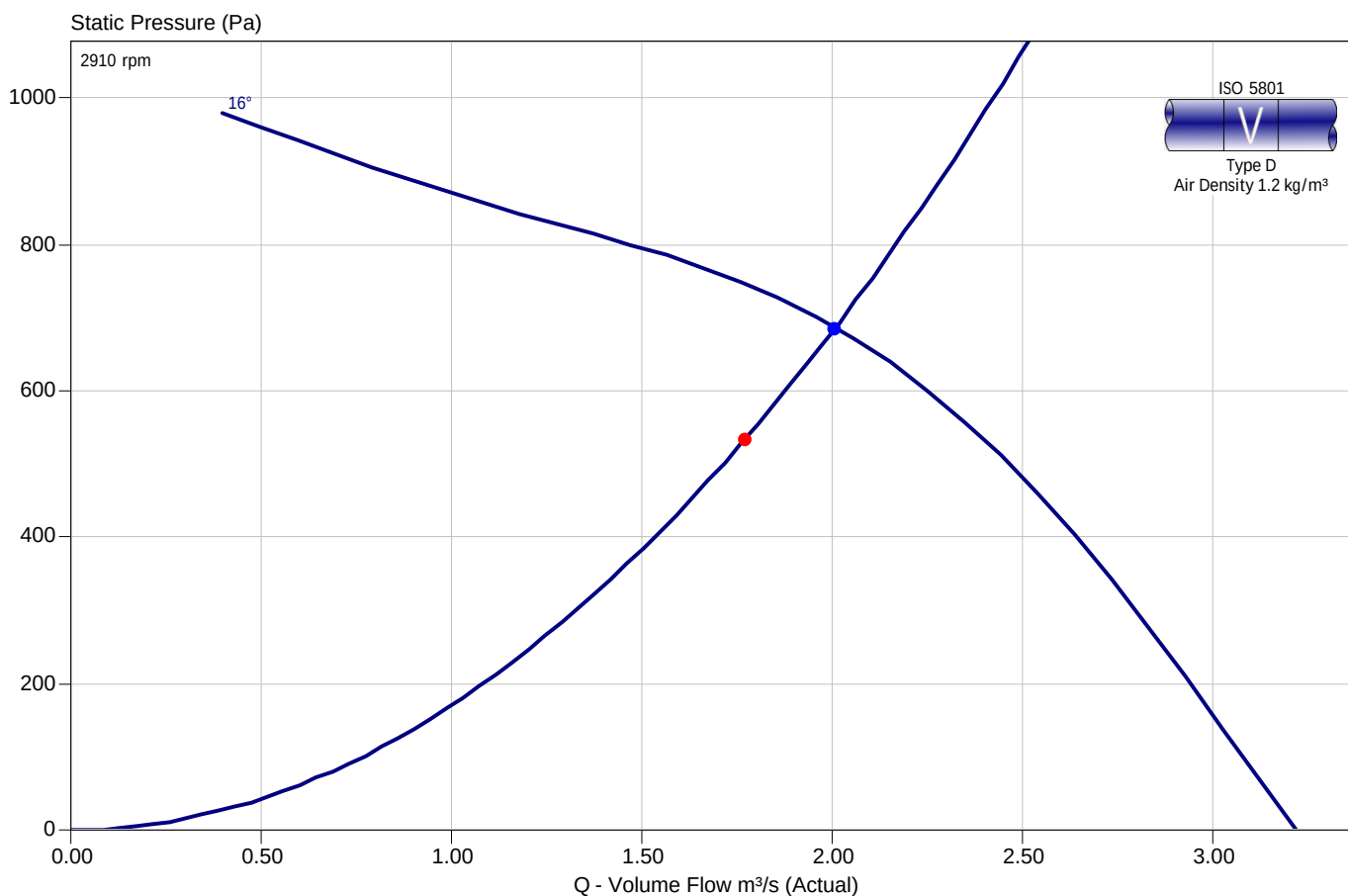
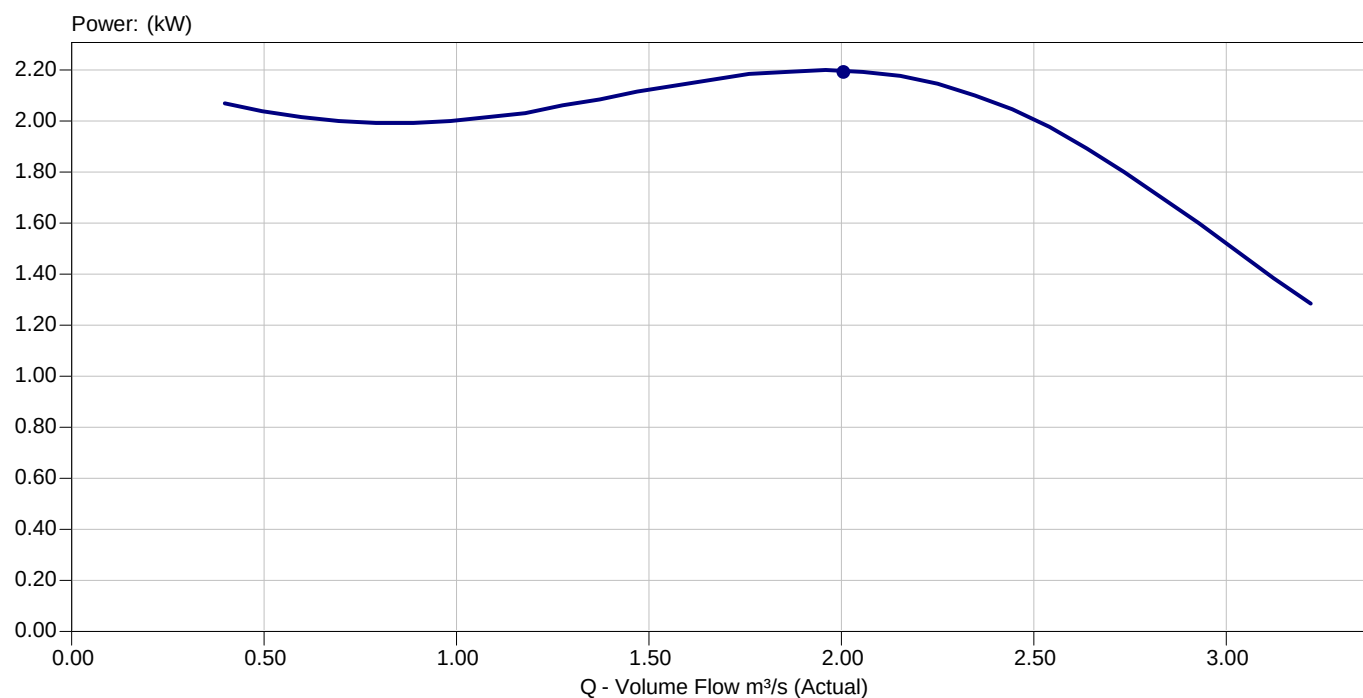
Performance Chart

MaXfan Compac



Quotation Number :
Project Name : Karak Chaai
Item Reference: : Extract

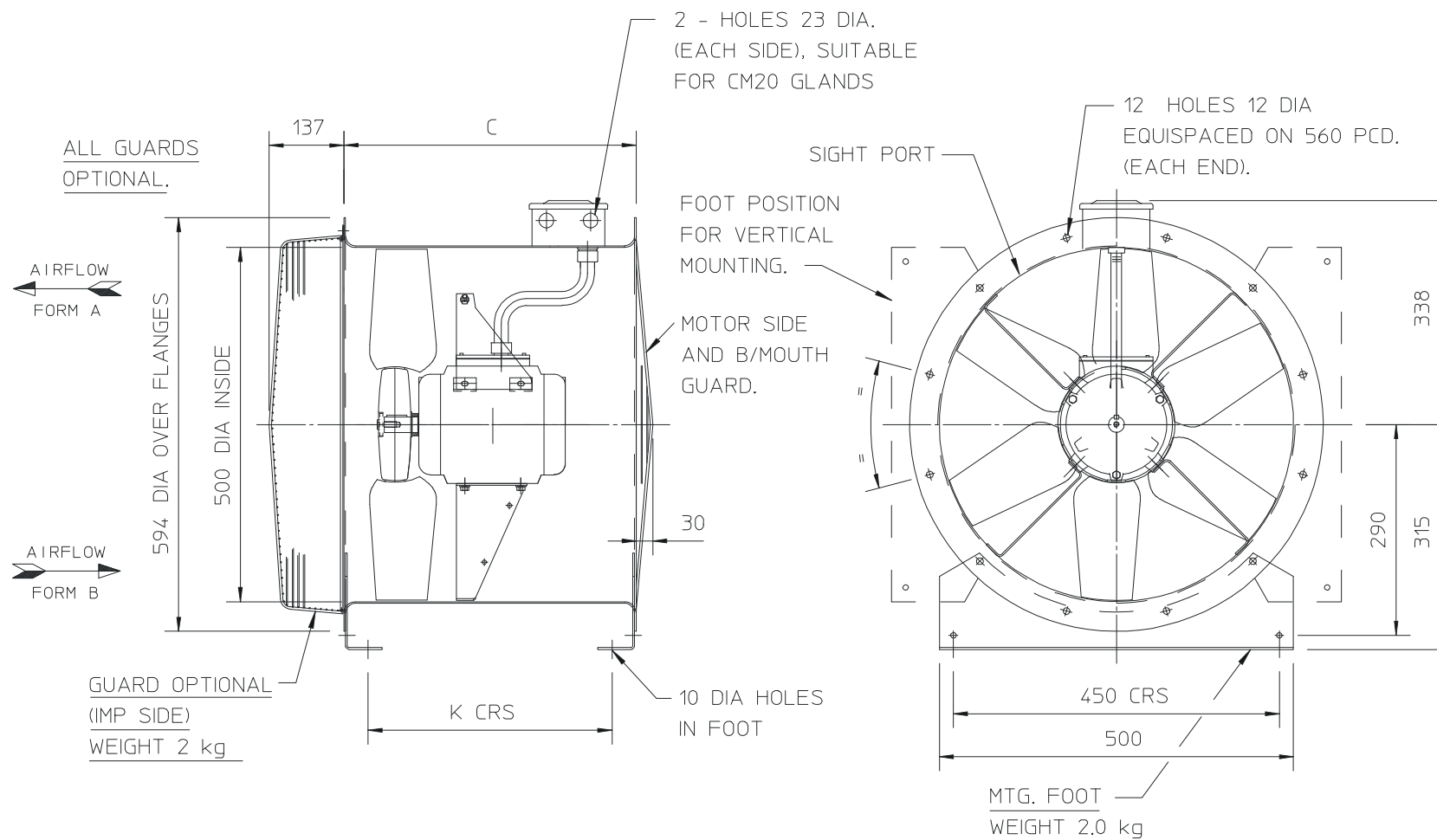
Project Code : BO-22863-1
Customer : Mainland Catering
Date: : Monday, October 12, 2020
Fan Code : 50 MaXfan Compac





Quotation Number :
Project Name : Karak Chaai
Item Reference: : Extract

Fan Code : 50 MaXfan Compac
Customer : Mainland Catering
Date: : Monday, October 12, 2020



C	520
E	3
K	434
Weight (kg)	56

Notes : Dimensions shown in mm / Weight in kg

Reference:D275255

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

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Selection Engine: 3.1.3.40a

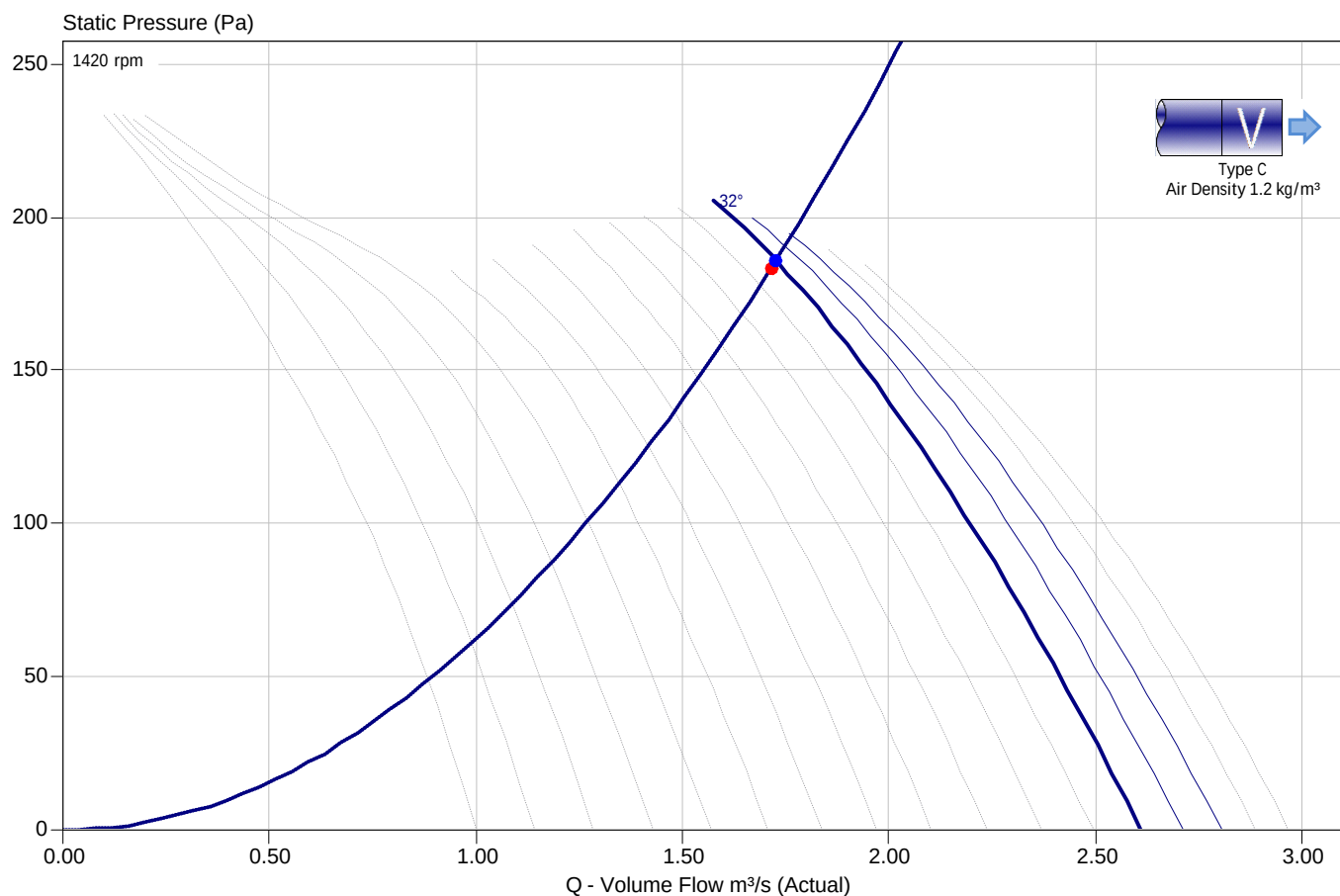
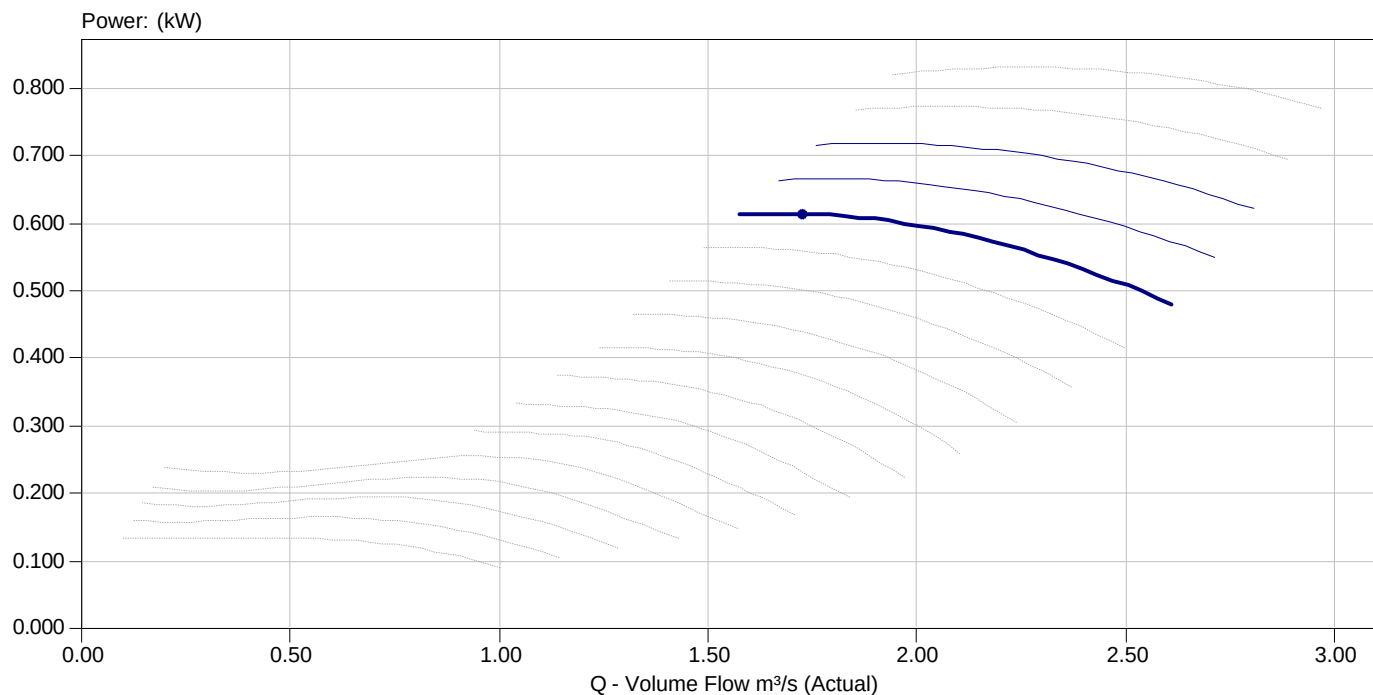
Quotation Number	:		Project Code	:	BO-22863-2																																																						
Project Name	:	Karak Chaai	Customer	:	MainlandCatering																																																						
Item Reference:	:	Supply	Date:	:	Monday, October 12, 2020																																																						
Fan Code	50JM/20/4/6/32	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.																																																									
Fan Diameter / Size	500 Size / mm																																																										
Blades	6																																																										
Fan Speed	1420 rpm																																																										
Velocity	8.8 m/s	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.																																																									
Blade Angle	32°																																																										
Installation Type / Form of Running	C / B (Horizontal)																																																										
Fan Casing	Long																																																										
Requested Duty	1.72m³/s @ 183 Pa (static)	Acoustic figures for adjusted running speeds have been interpolated and are for reference only.																																																									
Outlet Dynamic Pressure	46 Pa																																																										
Duty Shaft Power	0.614 kW																																																										
Max Shaft Power	0.626 kW																																																										
Total Efficiency	65.3 %	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.																																																									
Motor Frame	CT9 [Class F]																																																										
Motor Rating	0.680 kW																																																										
Full Load Current	4.8 A																																																										
Starting Current	11 A	<table><thead><tr><th rowspan="2"></th><th colspan="8">Sound Spectrum (Hz)</th><th colspan="2">Overall</th></tr><tr><th>63</th><th>125</th><th>250</th><th>500</th><th>1k</th><th>2k</th><th>4k</th><th>8k</th><th>Lw*</th><th>LpA @ 3 m</th></tr></thead><tbody><tr><td>Inlet*</td><td>76</td><td>78</td><td>76</td><td>74</td><td>72</td><td>69</td><td>65</td><td>60</td><td>82</td><td>56</td></tr><tr><td>Outlet*</td><td>78</td><td>79</td><td>76</td><td>74</td><td>73</td><td>69</td><td>67</td><td>61</td><td>83</td><td>57</td></tr><tr><td>Breakout*</td><td>78</td><td>79</td><td>76</td><td>74</td><td>73</td><td>69</td><td>67</td><td>61</td><td>83</td><td>57</td></tr></tbody></table> * Lw dB re 10⁻¹² W ** dBA re 2x10⁻⁵ Pa Sound data at requested duty.					Sound Spectrum (Hz)								Overall		63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m	Inlet*	76	78	76	74	72	69	65	60	82	56	Outlet*	78	79	76	74	73	69	67	61	83	57	Breakout*	78	79	76	74	73	69	67	61	83	57
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Start Type	DOL																																																										
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ErP [FMEG] Rating	N 40 (ErP Compliant)																																																										
ErP [FMEG] Target	N 40																																																										
FMEG Blade Angle [Range]	32° [32° - 36°]																																																										
Measurement Category	C (Static)																																																										
VSD	N																																																										
Fan + Motor Efficiency	34.3% (1.58 m³/s @ 206 Pa)																																																										
Motor Input Power (ErP)	0.947 kW																																																										
SFP value	0.55 W/(l/s) @ Requested Duty																																																										
Power from mains	0.95 kW																																																										
Energy Consumption	2850 kWh (3000 h/year)																																																										
Running Cost / Year	£342																																																										
Air Density	1.2 kg/m³ / 20 °C / 0 m / 50% RH																																																										
Smoke Venting	Non Smoke Venting																																																										
Product Number	EJ511466																																																										

Description	Qty
Fan EJ511466 - 50JM/20/4/6/32	1
Accessories Thermostat	1



Quotation Number :
Project Name : Karak Chaai
Item Reference: : Supply

Project Code : BO-22863-2
Customer : Mainland Catering
Date: : Monday, October 12, 2020
Fan Code : 50JM/20/4/6/32





Quotation Number :

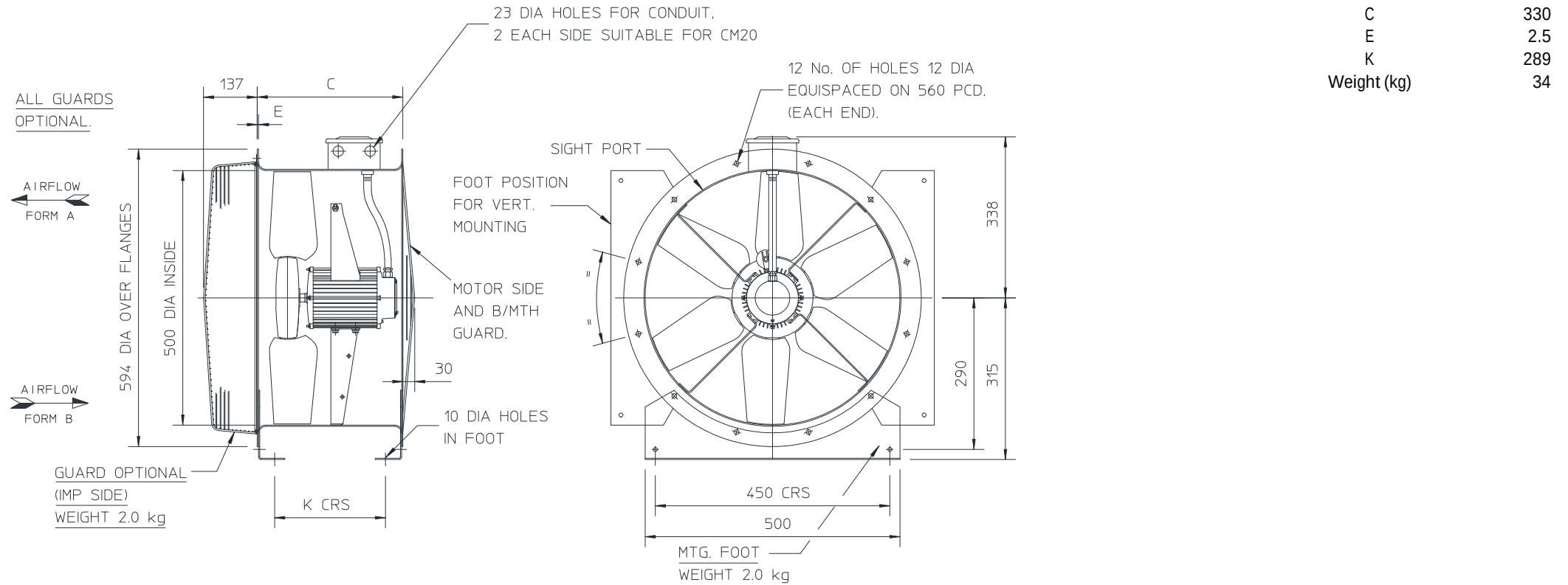
Project Name : Karak Chaai

Item Reference: : Supply

Fan Code : 50JM/20/4/6/32

Customer : Mainland Catering

Date: : Monday, October 12, 2020



Notes : Dimensions shown in mm / Weight in kg

Reference:D269014

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

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