

Quotation Number	:		Project Code	:	BD-12578-1
Project Name	:	Hassan - Prescott Village	Customer	:	Signature Gas
Item Reference:	:	Option 1	Date:	:	Wednesday, July 31, 2024

Fan Code	63JM/20/4/6/16
Fan Diameter / Size	630 Size / mm
Blades	6
Fan Speed	1420 rpm
Velocity	7.7 m/s
Blade Angle	16°
Installation Type / Form of Running	C / B (Horizontal)
Fan Casing	Long

Requested Duty	2.39m ³ /s @ 197 Pa (static)
Outlet Dynamic Pressure	35 Pa

Duty Shaft Power	0.831 kW
Max Shaft Power	0.922 kW
Total Efficiency	66.9 %

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 40 (ErP Compliant)
ErP [FMEG] Target	N 40
FMEG Blade Angle [Range]	18° [14° - 18°]
Measurement Category	C (Static)
VSD	N
Fan + Motor Efficiency	35.9% (2.29 m³/s @ 247 Pa)
Motor Input Power (ErP)	1.58 kW

SFP value	0.59 W/(l/s) @ Requested Duty
Power from mains	1.41 kW
Energy Consumption	4227 kWh (3000 h/year)
Running Cost / Year	£507

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	84	83	81	78	77	73	67	89	63
Outlet*	78	84	83	81	78	78	74	69	89	64
Breakout*	78	84	83	81	78	78	74	69	89	64

* Lw dB re 10^{-12} W

 $^{**} \text{ dBA re } 2 \times 10^{-5} \text{ Pa}$

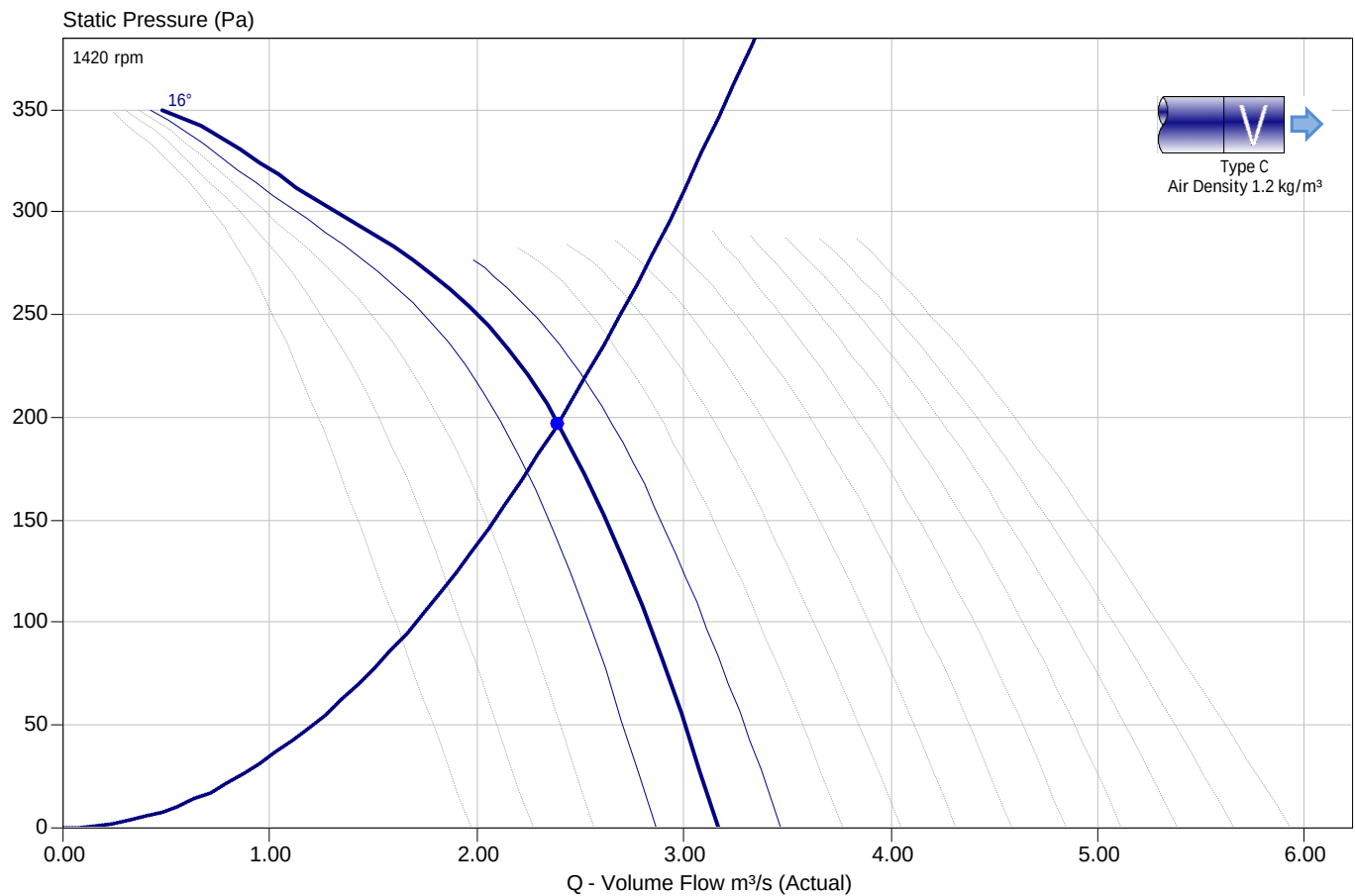
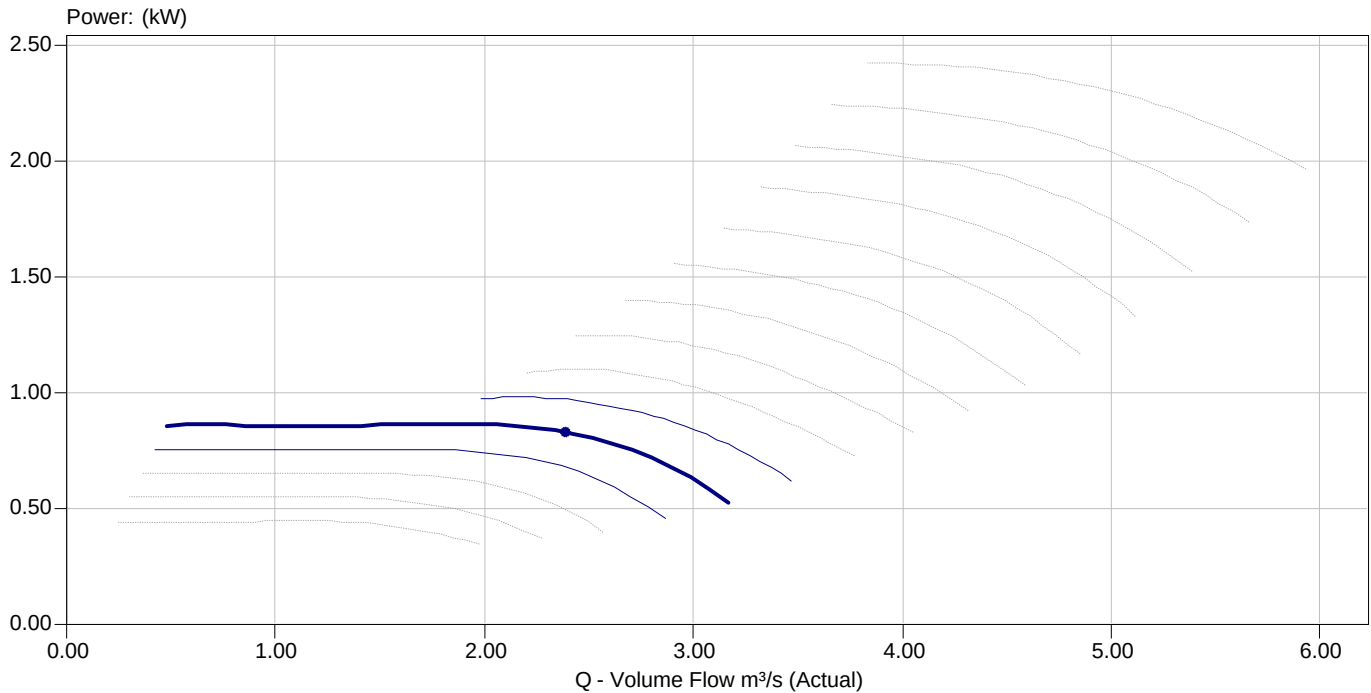
Sound data at requested duty.

Description	Qty
Fan DX641453 - 63JM/20/4/6/16	1
Accessories Thermostat	1



Quotation Number :
Project Name : Hassan - Prescott Village
Item Reference: : Option 1

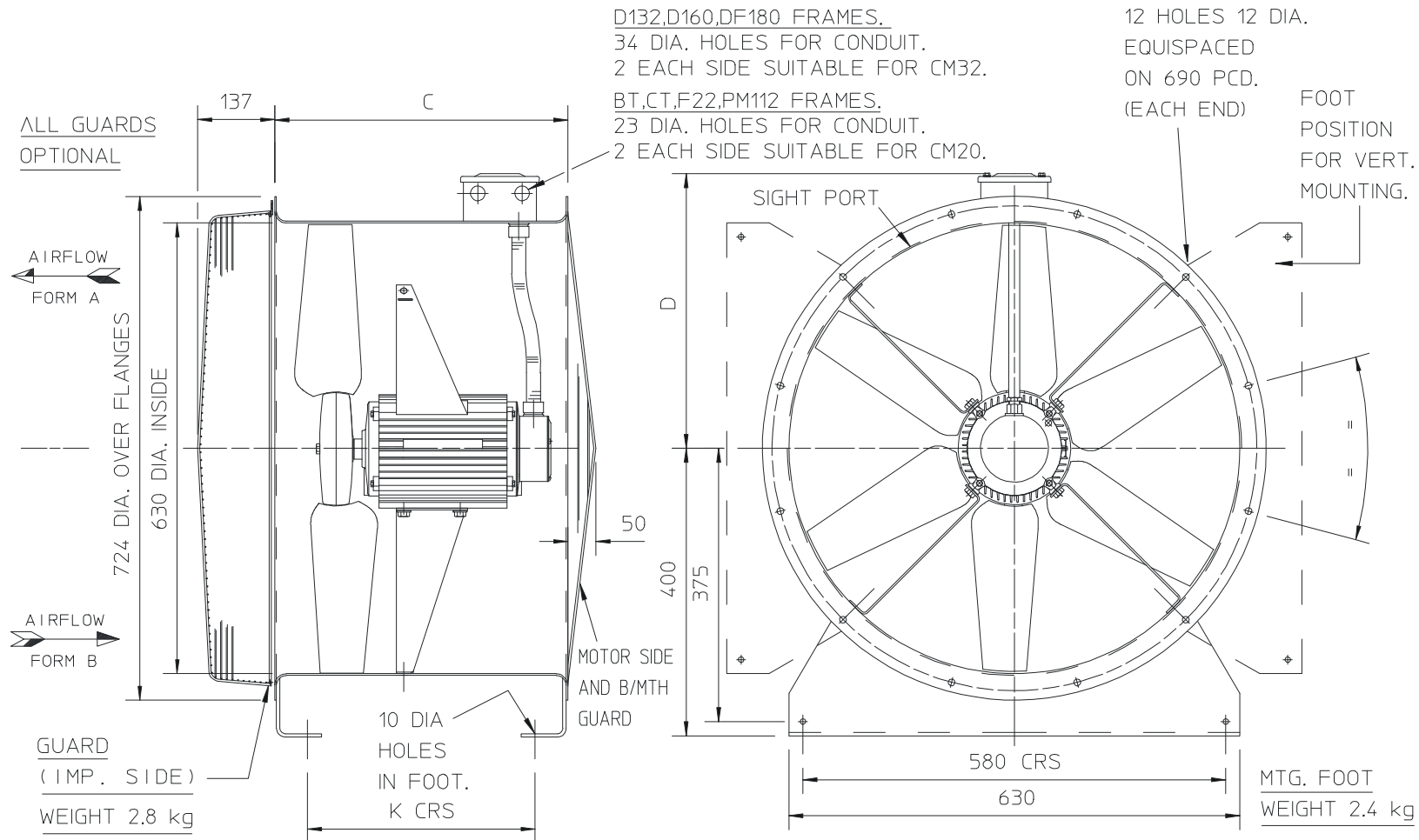
Project Code : BD-12578-1
Customer : Signature Gas
Date: : Wednesday, July 31, 2024
Fan Code : 63JM/20/4/6/16





Quotation Number :
Project Name : Hassan - Prescott Village
Item Reference : Option 1

Fan Code : 63JM/20/4/6/16
Customer : Signature Gas
Date : Wednesday, July 31, 2024



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.

Quotation Number	:	Project Code	:	BD-12578-2
Project Name	:	Customer	:	Signature Gas
Item Reference:	:	Date:	:	Wednesday, July 31, 2024

Fan Code	50 Maxfan Compac
Fan Diameter / Size	500 Size / mm
Fan Speed	2840 rpm
Velocity	12.3 m/s
Blade Angle	12°
Installation Type / Form of Running	D / AB (Vertical)
Fan Casing	Long
Requested Duty	2.39m³/s @ 197 Pa (static)
Outlet Dynamic Pressure	91 Pa

Duty Shaft Power	1.16 kW
Max Shaft Power	1.61 kW
Total Efficiency	60.7 %

Motor Frame	80 [Class F]
Motor Rating	1.73 kW [IE2]
Full Load Current	6.16 A
Starting Current	35.5 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 59 (ErP Compliant)
ErP [FMEG] Target	N 58
FMEG Blade Angle [Range]	0° [0° - 0°]
Measurement Category	D (Total)
VSD	N
Fan + Motor Efficiency	55.0% (1.99 m³/s @ 468 Pa)
Motor Input Power (ErP)	1.70 kW

SFP value	0.60 W/(l/s) @ Requested Duty
Power from mains	1.44 kW
Energy Consumption	4314 kWh (3000 h/year)
Running Cost / Year	£518

Air Density	1.2 kg/m ³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	EJ513255

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.

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	Sound Spectrum (Hz)								Overall	
	63	125	250	500	1k	2k	4k	8k	Lw*	LpA @ 3 m**
Inlet*	81	82	89	85	87	87	83	79	94	72
Outlet*	81	82	91	86	87	87	85	81	95	72
Breakout*	71	64	69	63	62	59	63	57	75	48

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

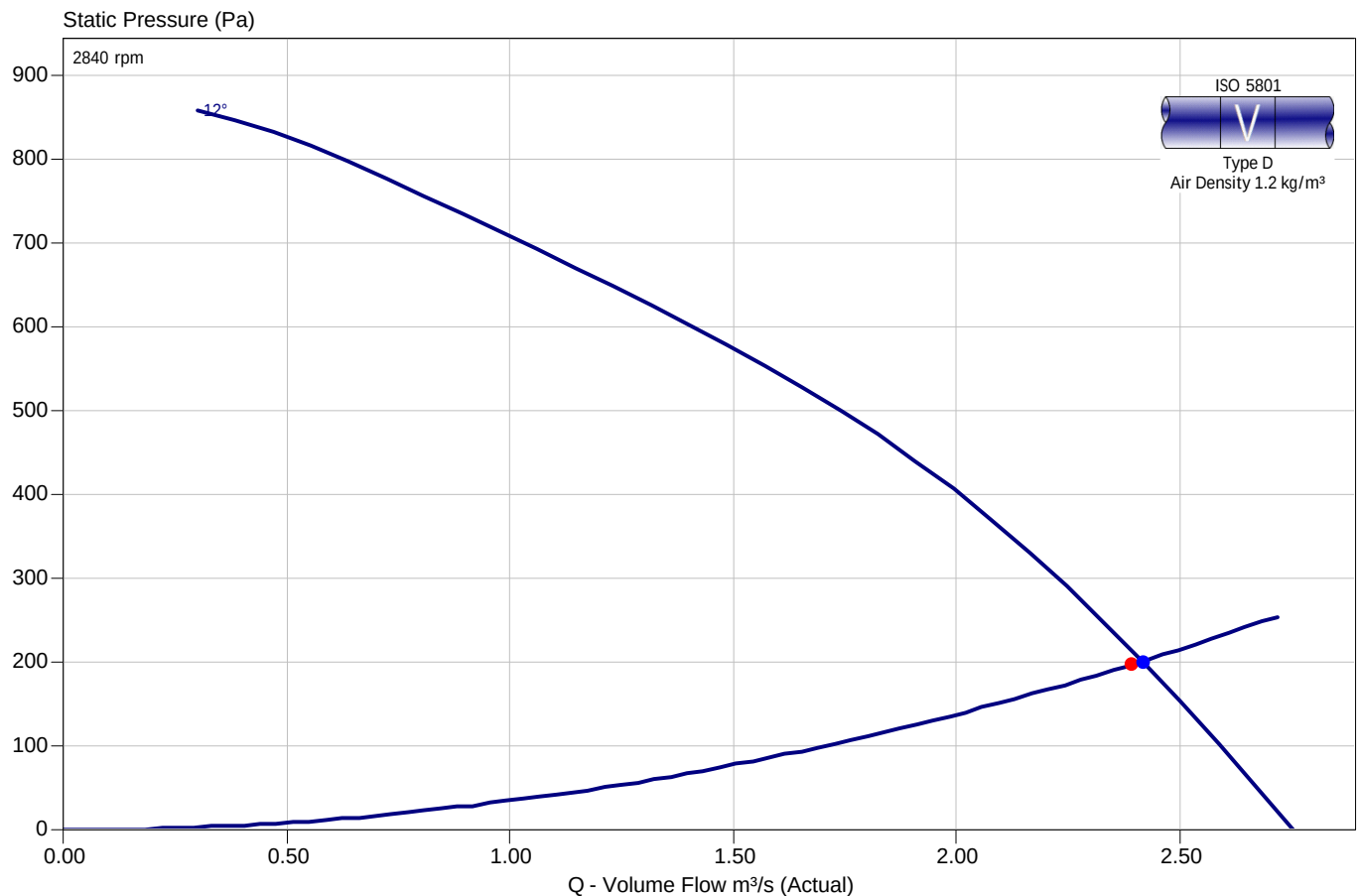
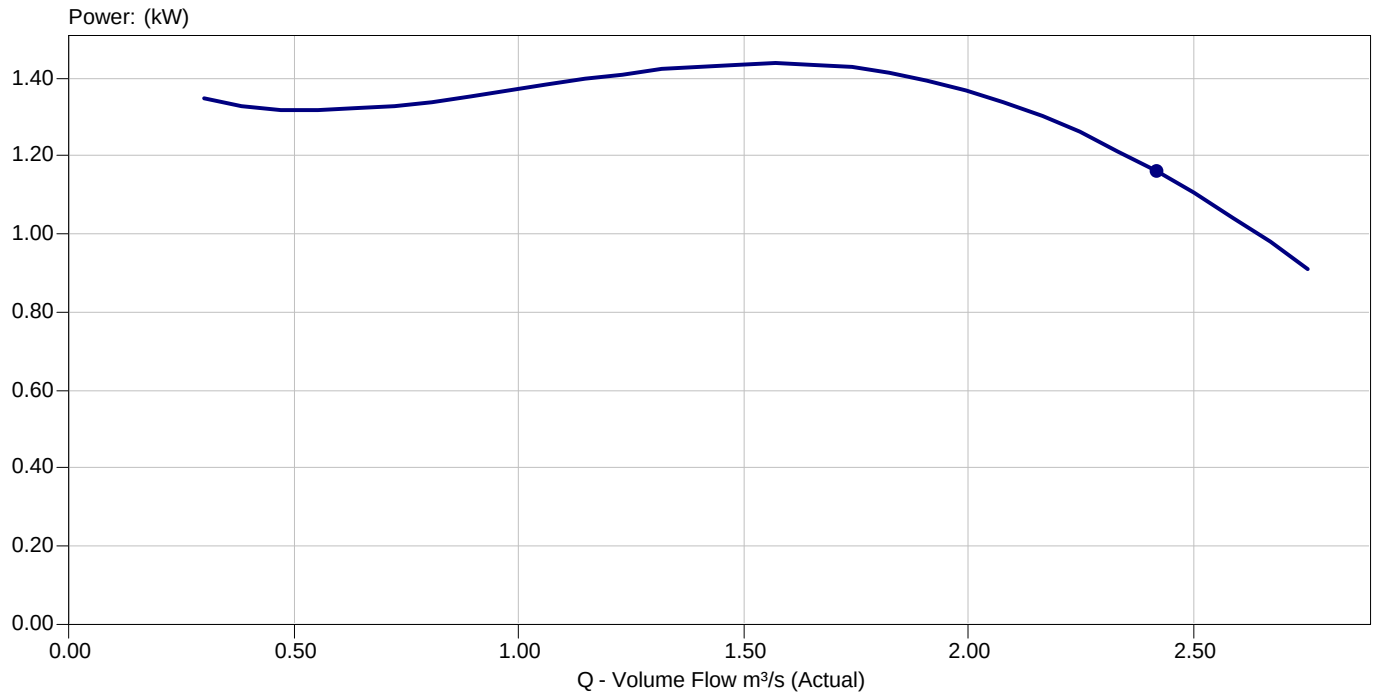
Sound data at requested duty.

Description	Qty
Fan	
EJ513255 - 50 MaXfan Compac	1
Accessories	
Inverter	1
Thermistors	1



Quotation Number :
Project Name : Hassan - Prescott Village
Item Reference: : Option 2

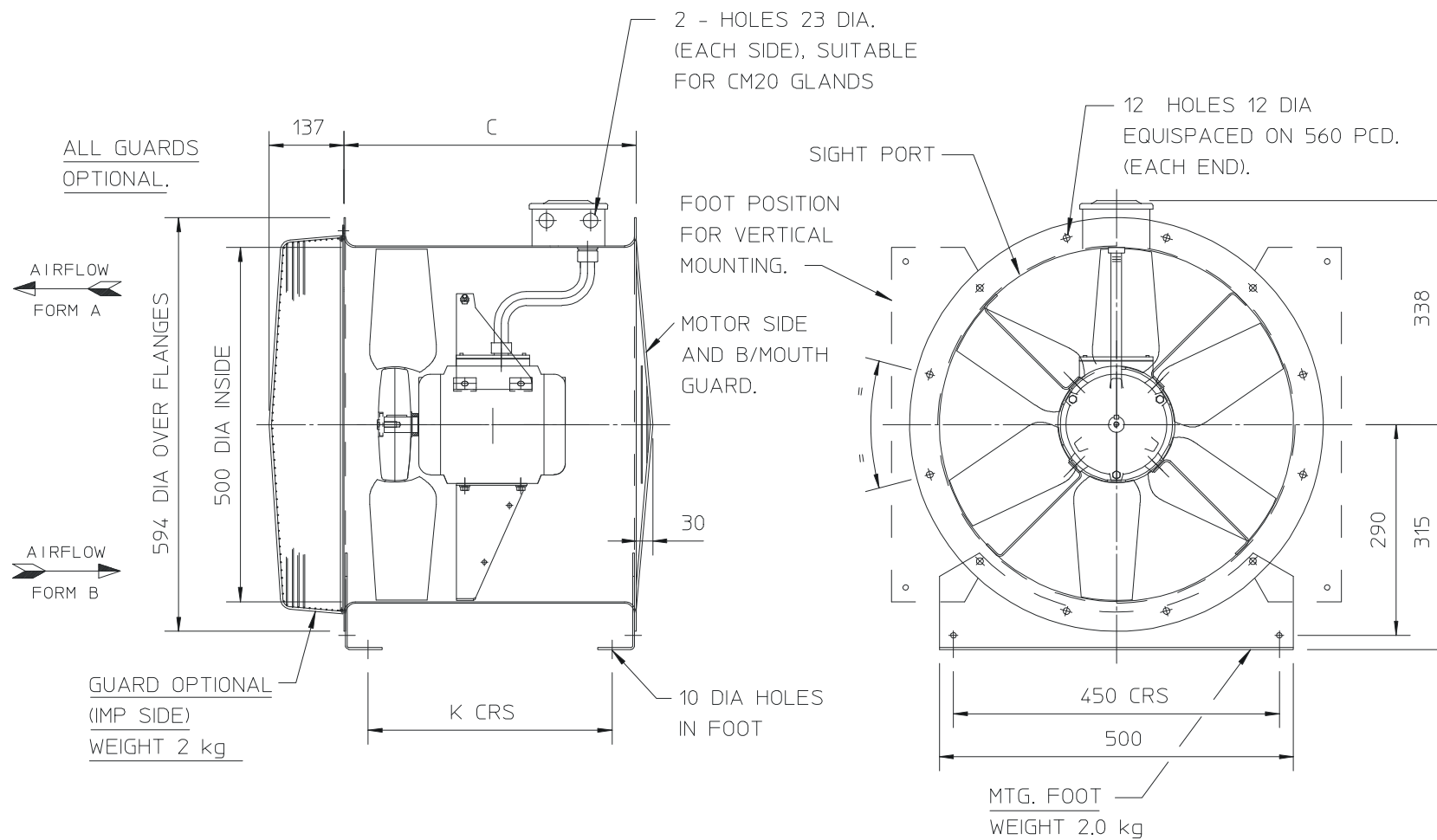
Project Code : BD-12578-2
Customer : Signature Gas
Date: : Wednesday, July 31, 2024
Fan Code : 50 MaXfan Compac





Quotation Number :
Project Name : Hassan - Prescott Village
Item Reference: : Option 2

Fan Code : 50 MaXfan Compac
Customer : Signature Gas
Date: : Wednesday, July 31, 2024



C	375
K	290
Weight (kg)	32

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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