



Quotation Number	:	Project Code	:
Project Name	:	Customer	:
Item Reference:	:	Date:	: Wednesday, March 22, 2023

Fan Code	50-1 MaXfan2/16/4/5/42/36
Fan Diameter / Size	500 Size / mm
Blades	5
Fan Speed	1380 rpm
Velocity	12.8 m/s
Blade Angle	42-36
Installation Type / Form of Running	D / AB (Vertical)
Fan Casing	Long

Requested Duty	2.51m³/s @ 378 Pa (static)
Outlet Dynamic Pressure	98 Pa

Duty Shaft Power	1.61 kW
Max Shaft Power	0.970 kW
Total Efficiency	73.9 %

Motor Frame	CT9 [Class F]
Motor Rating	1.94 kW
Full Load Current	13.8 A
Starting Current	27 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 58 (ErP Compliant)
ErP [FMEG] Target	N 58
FMEG Blade Angle [Range]	42° [42° - 42°]
Measurement Category	D (Total)
VSD	N
Fan + Motor Efficiency	54.2% (2.55 m³/s @ 467 Pa)
Motor Input Power (ErP)	2.20 kW

SFP value	0.77 W/(l/s) @ Requested Duty
Power from mains	1.94 kW
Energy Consumption	5820 kWh (3000 h/year)
Running Cost / Year	£698

Air Density	1.2 kg/m³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	EQ511467

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 / 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*	92	95	99	94	89	84	75	68	102	75
Outlet*	94	98	101	95	90	86	78	71	104	76
Breakout*	87	83	82	75	68	61	59	50	90	57

* Lw dB re 10⁻¹² W

** dBA re 2x10⁻⁵ Pa

Sound data at requested duty.

Description	Qty	Nett Unit Price	Price
Fan EQ511467 - 50-1 MaXfan2/16/4/5/42/36	1	enquire	enquire
Accessories Thermostat	1	enquire	enquire
Estimated Despatch : 2 Days			
TOTAL PRICE (Fan / Accessories / Controls)			enquire
Optional Controllers & Sensors			
Optional Accessories			
 Mounting Feet [897727]		 Matching Flange [74914]	
 Rubber AV Mounts [AS035471]		 Flexible Connector [AS040500]	



Quotation Number :
Project Name : EQ511467 Maxfan 500
Item Reference: :

Project Code :
Customer :
Date: : Wednesday, March 22, 2023

Fan Code 50-1 MaXfan2/16/4/5/42/36
Fan Diameter / Size 500 Size / mm
Blades 5
Fan Speed 1380 rpm
Velocity 12.8 m/s
Blade Angle 42-36
Installation Type / Form of Running D / AB (Vertical)
Fan Casing Long

Requested Duty 2.51m³/s @ 378 Pa (static)
Outlet Dynamic Pressure 98 Pa

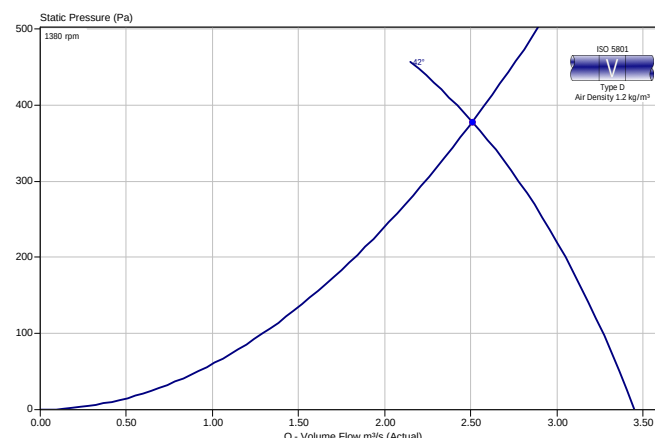
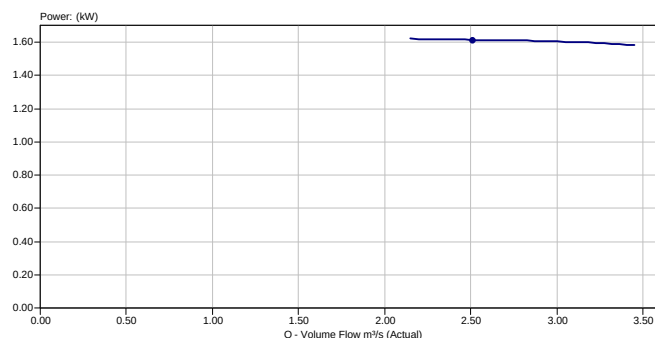
Duty Shaft Power 1.61 kW
Max Shaft Power 0.970 kW
Total Efficiency 73.9 %

Motor Frame CT9 [Class F]
Motor Rating 1.94 kW
Full Load Current 13.8 A
Starting Current 27 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 58 (ErP Compliant)
ErP [FMEG] Target N 58
FMEG Blade Angle [Range] 42° [42° - 42°]
Measurement Category D (Total)
VSD N
Fan + Motor Efficiency 54.2% (2.55 m³/s @ 467 Pa)
Motor Input Power (ErP) 2.20 kW

SFP value 0.77 W/(l/s) @ Requested Duty
Power from mains 1.94 kW
Energy Consumption 5820 kWh (3000 h/year)
Running Cost / Year £698

Air Density 1.2 kg/m³ / 20 °C / 0 m / 50% RH
Smoke Venting Non Smoke Venting
Product Number EQ511467



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Outlet*	94	98	101	95	90	86	78	71	104	76
Breakout*	87	83	82	75	68	61	59	50	90	57

* Lw dB re 10⁻¹² W
** dBA re 2x10⁻⁵ Pa
Sound data at requested duty.

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Description	Qty	Nett Unit Price	Price
Fan EQ511467 - 50-1 MaXfan2/16/4/5/42/36	1	enquire	enquire
Accessories Thermostat	1	enquire	enquire
Estimated Despatch : 2 Days			
TOTAL PRICE (Fan / Accessories / Controls)			enquire
Optional Controllers & Sensors			
Optional Accessories			
Mounting Feet [897727] Matching Flange [74914] Rubber AV Mounts [AS035471] Flexible Connector [AS040500]			



Quotation Number :
Project Name : EQ511467 Maxfan 500
Item Reference: :

Project Code :
Customer :
Date: : Wednesday, March 22, 2023

Fan Code 50-1 MaXfan2/16/4/5/42/36
Fan Diameter / Size 500 Size / mm
Blades 5
Fan Speed 1380 rpm
Velocity 12.8 m/s
Blade Angle 42-36
Installation Type / Form of Running D / AB (Vertical)
Fan Casing Long

Requested Duty 2.51m³/s @ 378 Pa (static)
Outlet Dynamic Pressure 98 Pa

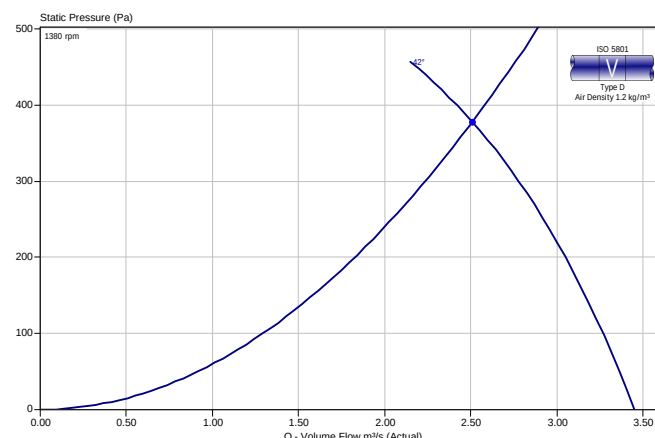
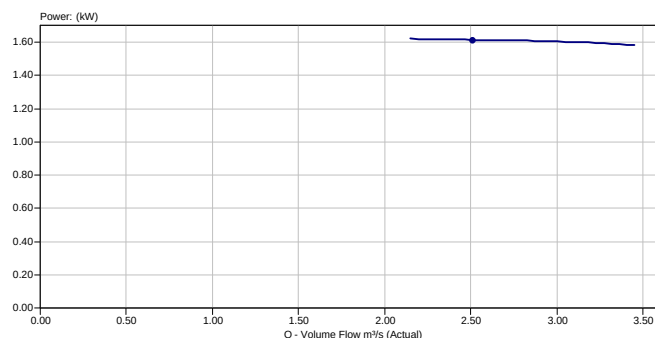
Duty Shaft Power 1.61 kW
Max Shaft Power 0.970 kW
Total Efficiency 73.9 %

Motor Frame CT9 [Class F]
Motor Rating 1.94 kW
Full Load Current 13.8 A
Starting Current 27 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 58 (ErP Compliant)
ErP [FMEG] Target N 58
FMEG Blade Angle [Range] 42° [42° - 42°]
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VSD N
Fan + Motor Efficiency 54.2% (2.55 m³/s @ 467 Pa)
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Air Density 1.2 kg/m³ / 20 °C / 0 m / 50% RH
Smoke Venting Non Smoke Venting
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** dBA re 2x10⁻⁵ Pa
Sound data at requested duty.

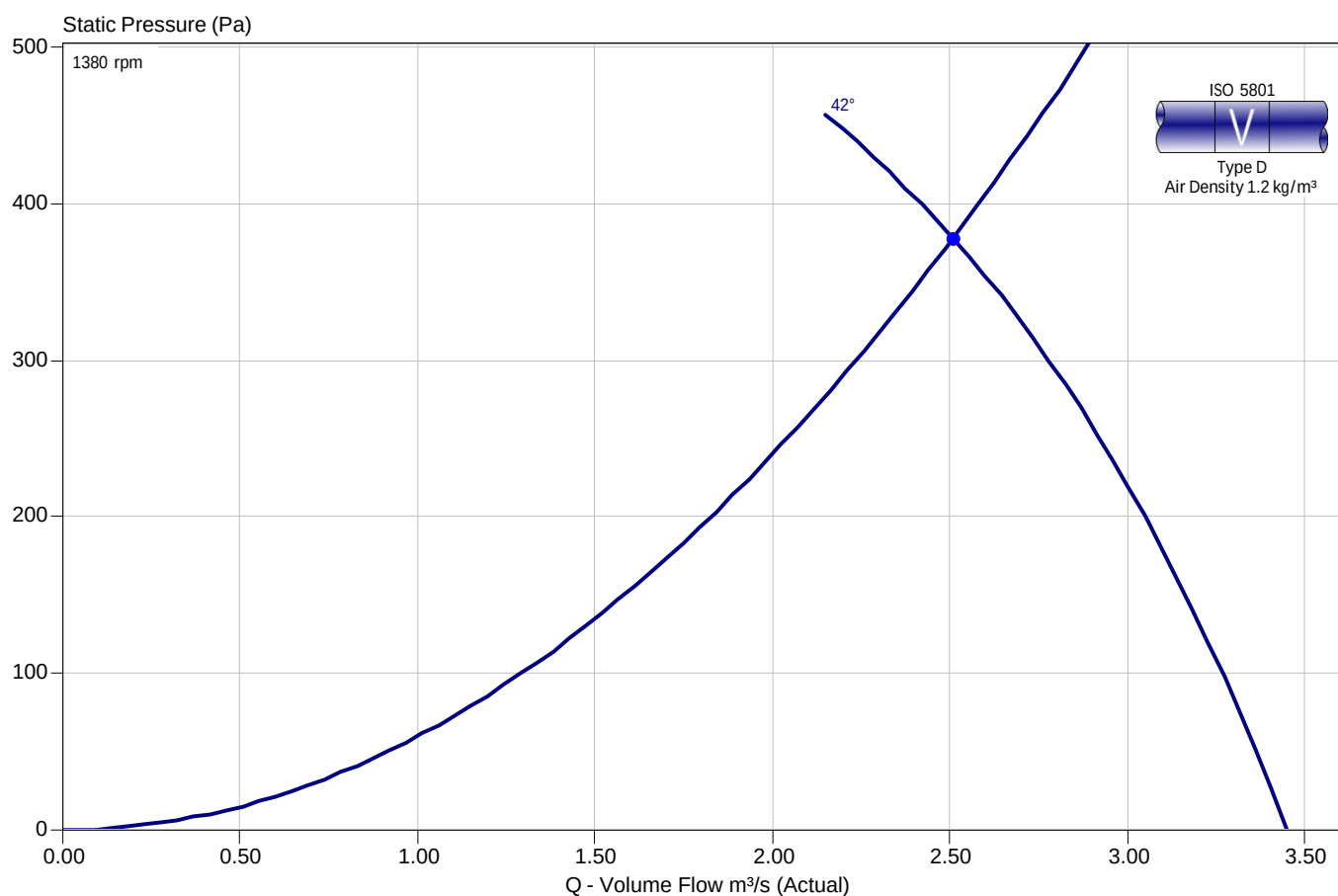
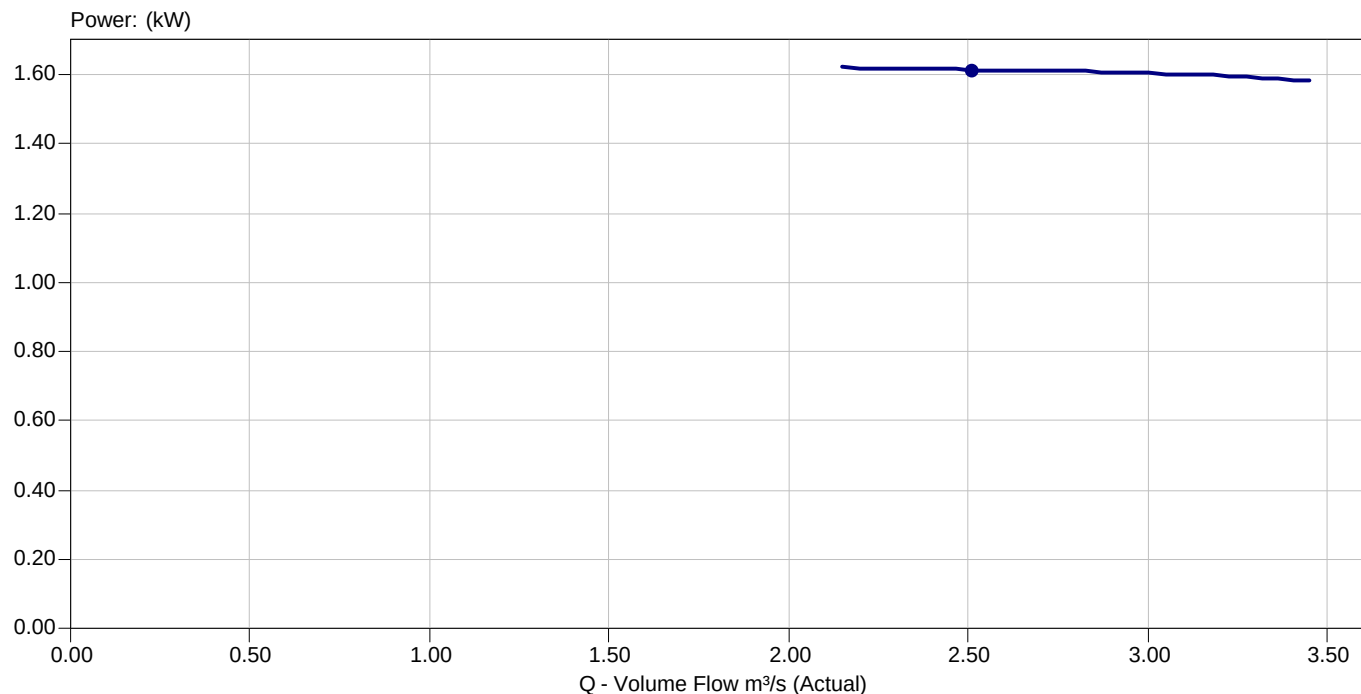
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Estimated Despatch : 2 Days			
TOTAL PRICE (Fan / Accessories / Controls)			enquire
Optional Controllers & Sensors			
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Mounting Feet [897727] Rubber AV Mounts [AS035471] Matching Flange [74914] Flexible Connector [AS040500]			



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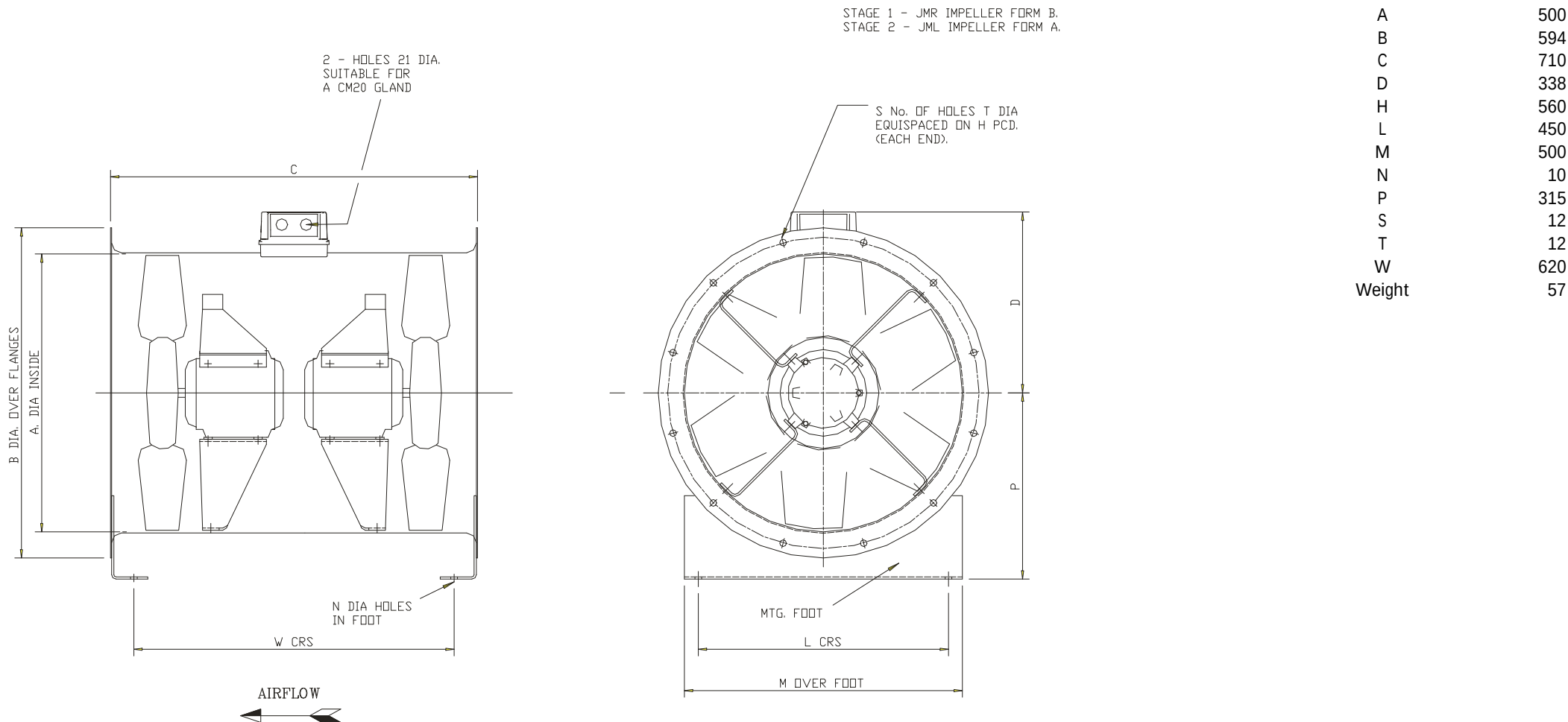
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Fan Code : 50-1 MaXfan2/16/4/5/42/36
Customer :
Date: : Wednesday, March 22, 2023



Notes : Dimensions shown in mm / Weight in kg

Reference :Catalogue drawing

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