

Quotation Number	:	Project Code	:
Project Name	:	Customer	:
Item Reference:	:	Date:	Monday, September 14, 2020

Fan Code	45-1 MaXfan2/16/4/5/37/30
Fan Diameter / Size	450 Size / mm
Blades	5
Fan Speed	1380 rpm
Velocity	11.9 m/s
Blade Angle	37-30
Installation Type / Form of Running	D / AB (Vertical)
Fan Casing	Long

Requested Duty	1.88m ³ /s @ 234 Pa (static)
Outlet Dynamic Pressure	85 Pa

Duty Shaft Power	0.786 kW (Both Stages)
Max Shaft Power	0.942 kW (Both Stages)
Total Efficiency	77.1 %

Motor Frame	CT5 [Class F]
Motor Rating	0.520 kW (Per Stage)
Full Load Current	7.8 A (Per Stage)
Starting Current	15.6 A (Per Stage)
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 49 (Not ErP Compliant)
ErP [FMEG] Target	N 58
FMEG Blade Angle [Range]	37° [37° - 37°]
Measurement Category	D (Total)
VSD	N
Fan + Motor Efficiency	42.6% (1.75 m³/s @ 363 Pa)
Motor Input Power (ErP)	0.748 kW

SFP value	0.55 W/(l/s) @ Requested Duty
Power from mains	1.04 kW
Energy Consumption	3120 kWh (3000 h/year)
Running Cost / Year	£374

Air Density	1.2 kg/m³ / 20 °C / 0 m / 50% RH
Smoke Venting	Non Smoke Venting
Product Number	EO461477

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.

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*	84	90	93	86	80	75	68	62	96	68
Outlet*	85	90	94	87	81	77	70	65	97	69
Breakout*	78	75	75	67	59	52	51	44	81	49

* Lw dB re 10^{-12} W

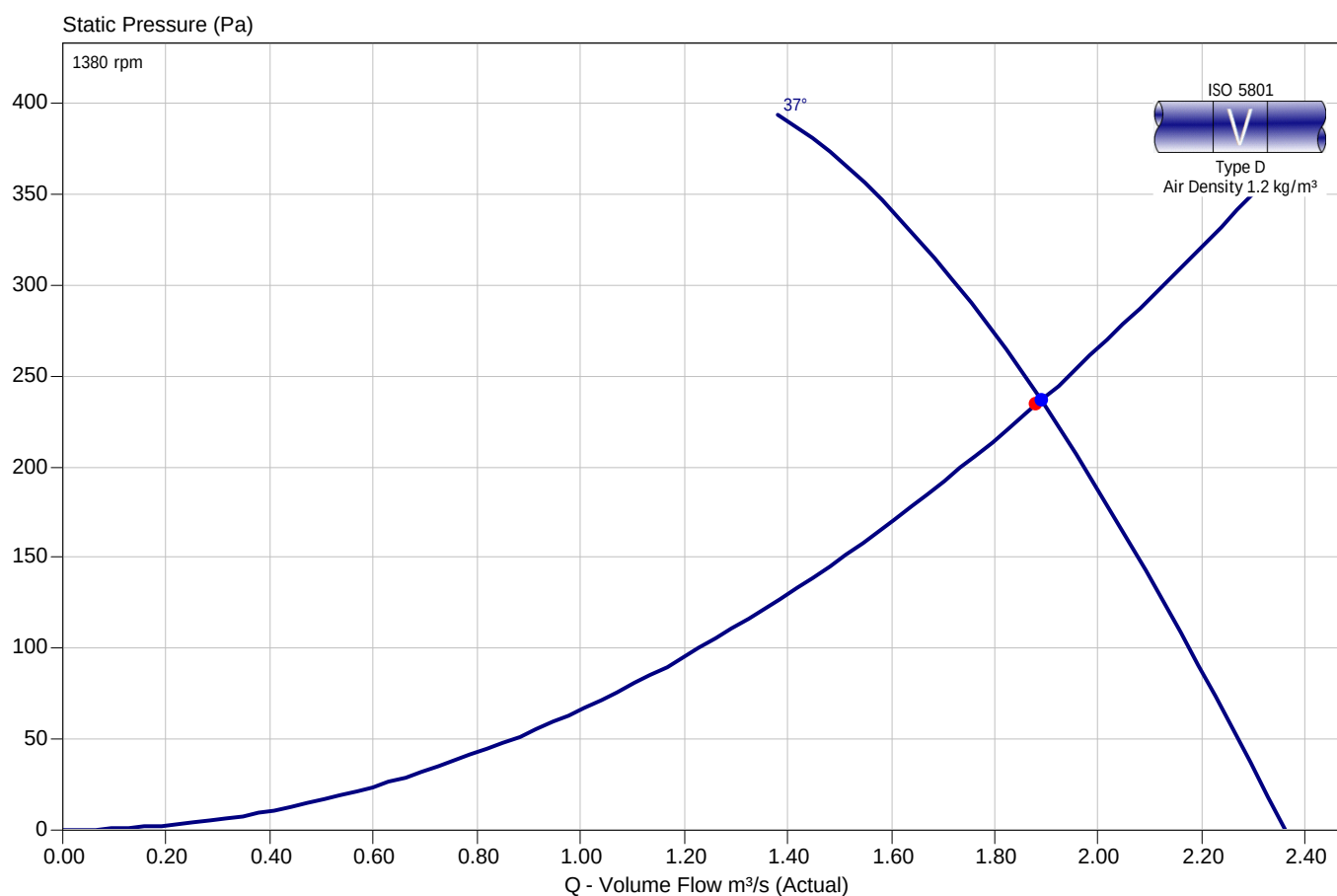
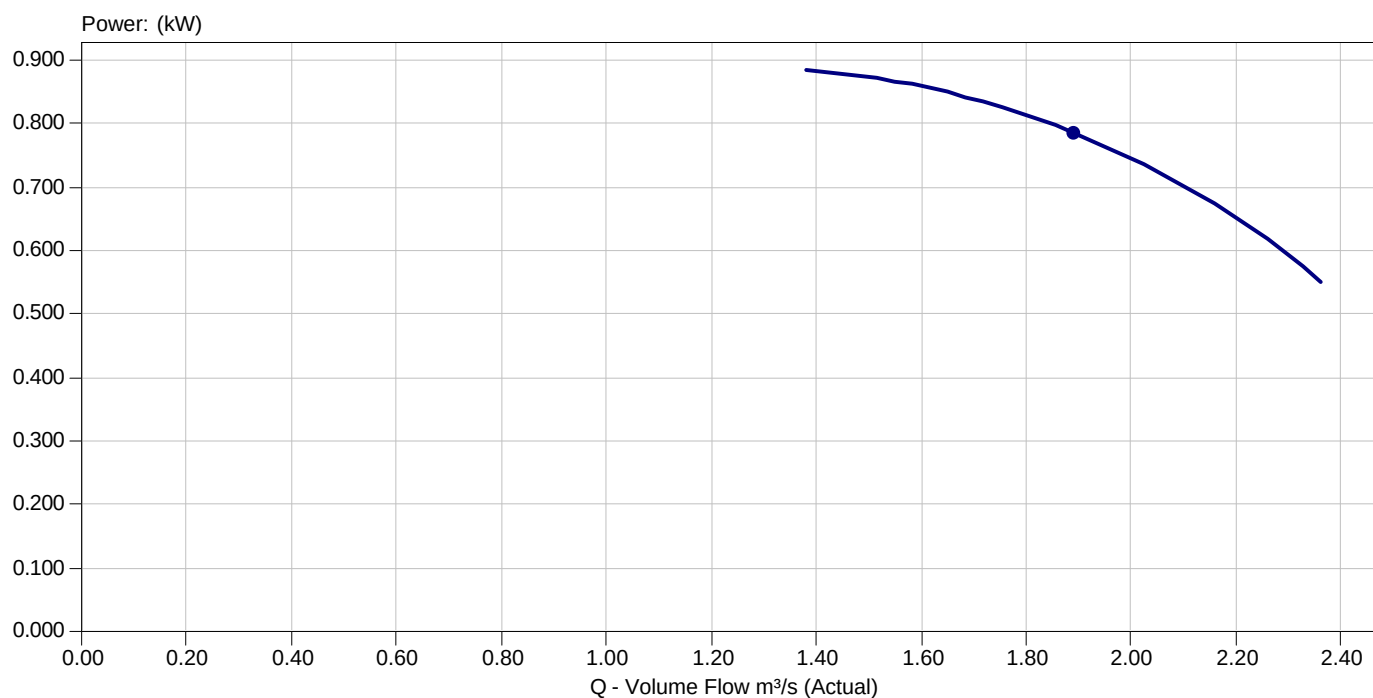
** dBA re 2×10^{-5} Pa

Sound data at requested duty.

Description	Qty
Fan	
EQ461477 - 45-1 MaXfan2/16/4/5/37/30	1
Accessories	
Thermostat	1



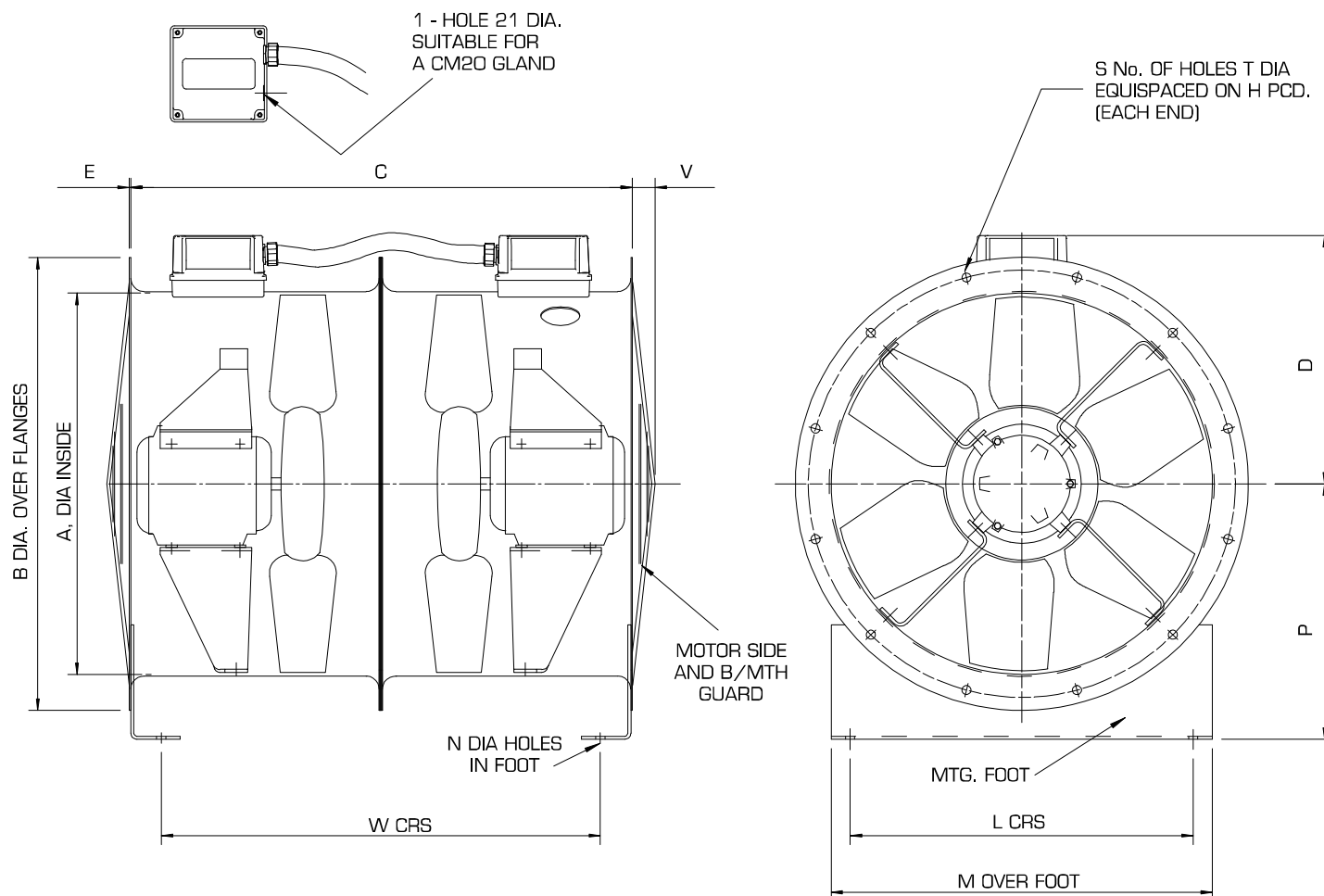
Quotation Number	:	Project Code	:
Project Name	:	Customer	:
Item Reference:	:	Date:	: Monday, September 14, 2020
		Fan Code	: 45-1 MaXfan2/16/4/5/37/30





Quotation Number :
Project Name :
Item Reference :

Fan Code : 45-1 MaXfan2/16/4/5/37/30
Customer :
Date : Monday, September 14, 2020



A	450
B	530
C	620
D	306
E	2.5
H	500
L	400
M	450
N	10
P	280
S	8
T	12
W	571
Weight	44

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.