Specification For Approval

Customer : _____

Description : EC FAN

Customer Part No. : N/A Rev : ____

Delta Model No. : GTW025FUC16 Rev : 01

Safety Model No. GTW025FUC16

Sample Issue No. : _____

Sample Issue Date : 10/26/2026

Please send one copy of this specification back after you signed approval for production pre-arrangement

Approved by : _____

Date : _____

sales@fansco.com
www.fansco.com

Electronically Commutated (EC) Fan

Axial Fan

253 x 253 x 158 mm

GTW025FUC16 Delta Datasheet
sales@fansco.com
www.fansco.com

Technical features

Input Side	
Nominal Voltage	1~ 230Vac 50/60Hz
Input Source	1~ 200Vac - 277Vac
Power @ Free air	288 W
Power @ Max. load	360 W
Output Side	
Speed (RPM)	3800
Qmax. (CMH / CFM)	1746 / 1028
Pmax. (Pa / inAq)	392.4 / 1.575
Noise (dB-A) @ Qmax	76.5
Functions	
Control input 0-10VDC or PWM pattern.	
Passive power factor correction	
Alarm relay, Lock rotor protection, Soft start	
Fan speed signal output	

Physical	
Rotation Direction	CCW, seen on rotor
Material (Impeller / Frame)	Plastic / Steel
Bearing system	ball bearings
Weight (kg)	7.5
Electrical leads	Lead Wire
Environmental	
Operating temperature range	-25 ~ +60 ℃
Storage temperature range	-40 ~ +70 ℃
Safety	
Safety	UL, cUL, TUV
IP Level	IP54
EMC	EN61000-6-1/3 , EN61000-3-2/3
Protection class	I
Insulation class	B
Leakage current	<= 3.5 mA
Motor protection	Over temperature protected
Life expectance	60,000 hrs at 40 ℃ / 15 ~ 65 %RH

NOTE : Delta reserves the right to change specifications and other product information without prior notice.

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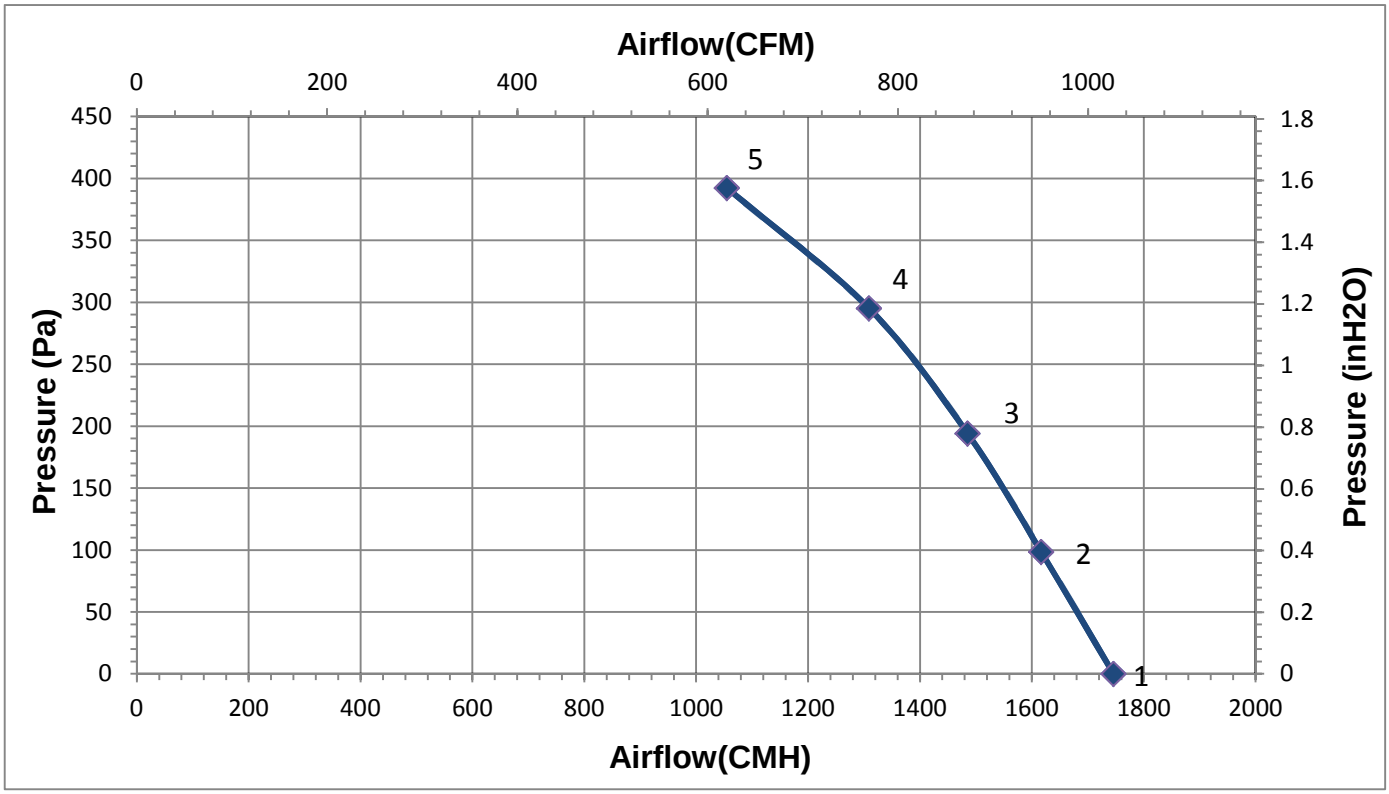
P & Q curves



Measure data:

	P [Pa]	Q [CMH]	N [R.P.M.]	P1 [W]	I [A]	Lp [dB(A)]
1	0.0	1746	3800	288	1.93	76.5
2	98.4	1617	3800	290	1.99	
3	194.2	1485	3800	314	2.02	
4	295.2	1309	3800	317	2.10	
5	392.4	1055	3800	310	2.06	

Test Condition:

- Input Voltage: Nominal Voltage
- Temperature : Room Temperature
- Humidity : 65%RH
- Measured without Fanguard
- Noise (Lp) is measured at a distance of one meter from the outlet side.

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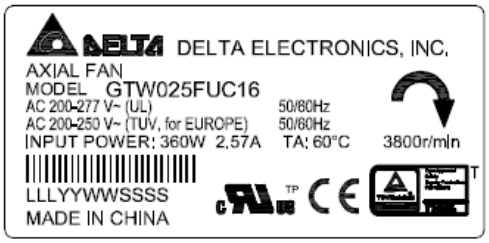
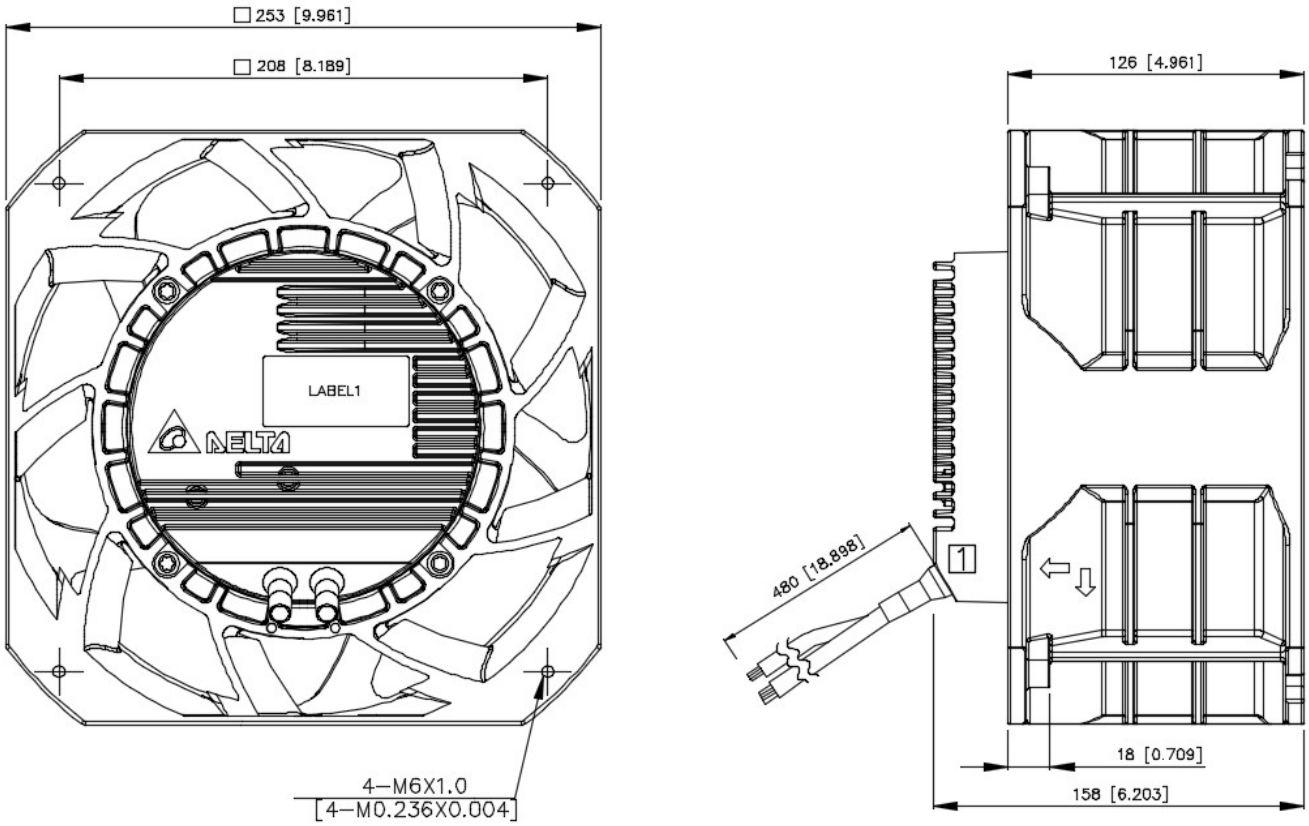
Dimension drawing

Label :



Fan :



UNIT: mm [INCH]

Note:

1. CABLE DIAMETER : ϕ 4.5~ ϕ 7.5mm

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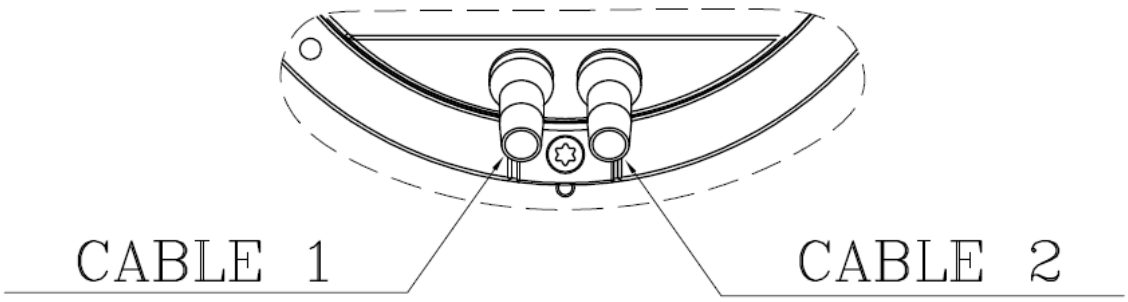
Definition of terminal block



Cable	Color	Functions
1	Brown	Line/ AC main (1~ 200-277VAC)
1	Blue	Neutral/ AC main (1~ 200-277VAC)
1	Green / Yellow	Protective Earth
2	Red/Pink	---------
2	Blue/White	Speed control(0-10VDC/PWM)
2	Black	GND
2	Green/Red	Frequency Generator Signal (FG)
2	Green / White	---------
2	Pink / Black	Relay 1
2	Green / Black	Relay 2

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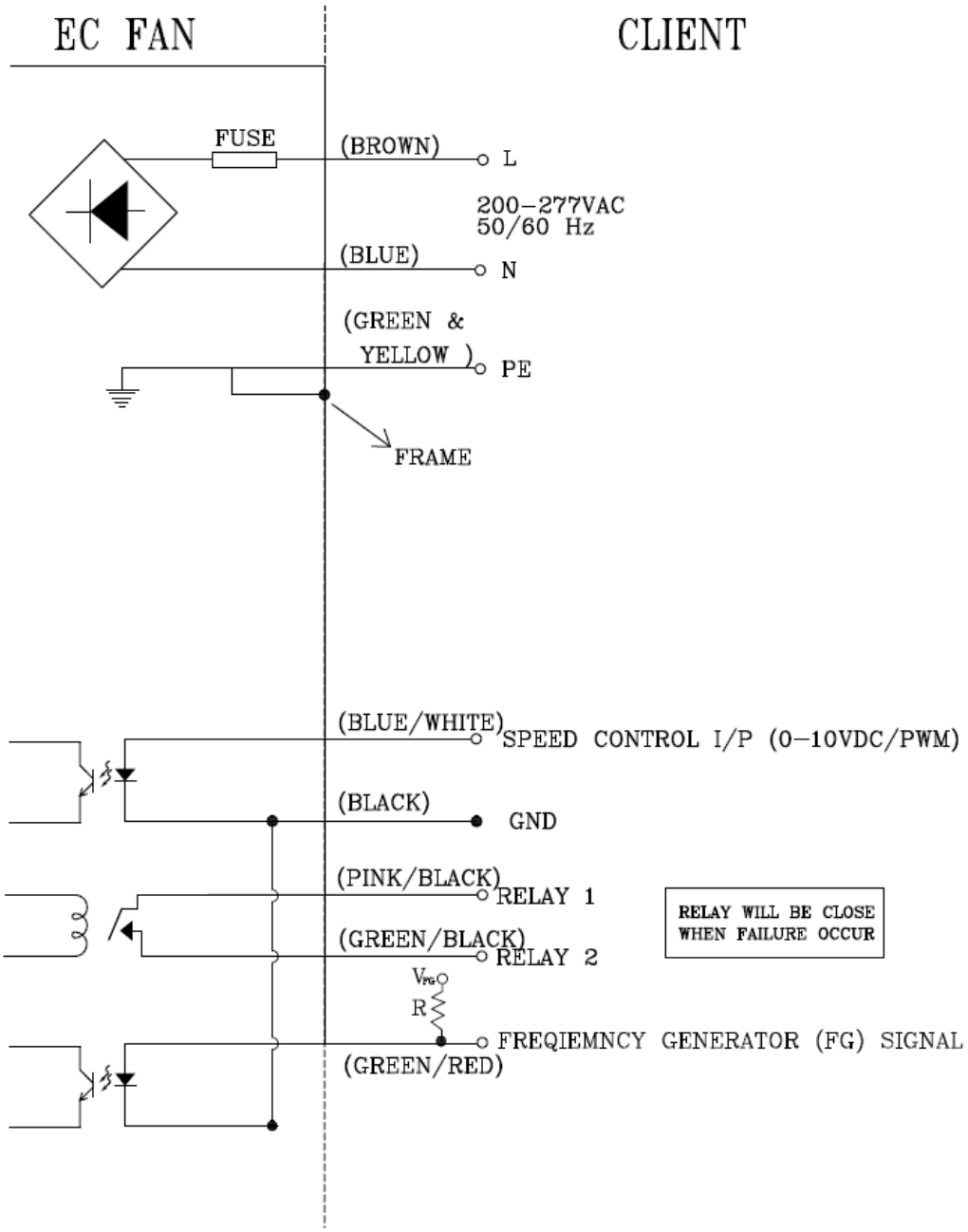
Lead wire connection:



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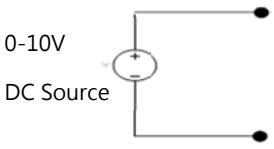
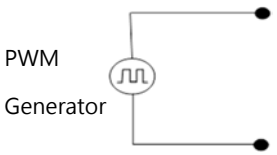
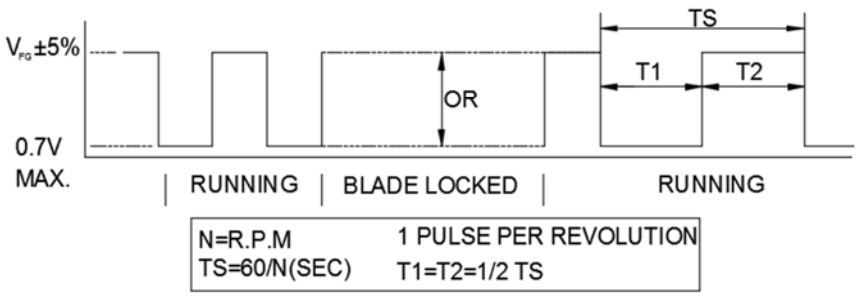
Speed setting	
Full Speed  	**Short Red/Pink & Blue/White** Fan will run full speed.
Voltage Control  	**Use voltage source support 0~10VDC voltage** DC+ : connector Blue/White DC - : connector Black **-Voltage lower than 1.5V, fan will be to initial mode. (900 RPM)**
PWM Control  	**PWM duty control** PWM amplitude is 10VDC(±5%) Frequency Range is 100Hz ~ 100kHz **-PWM duty lower than 15% , fan will be to initial mode. (900 RPM)**

Signal function	
Voltage control	The speed comparison will control level Voltage (V) / Speed (RPM) (REF) 0 / 900 9.5 / 3800
FG	V_{CE}(sat) = 0.7V MAX. V_{FG} = 20.0V MAX. I_C = 2mA MAX. R ≥ V_{FG} / I_C Frequency generator waveform 

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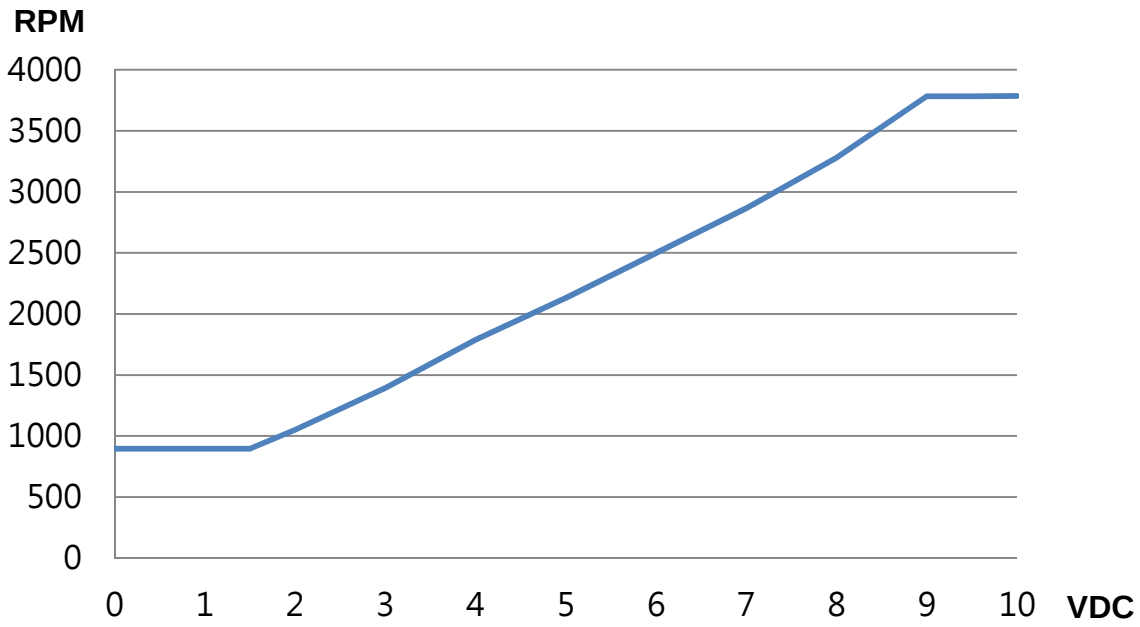
Control Voltage VS. RPM Curve

Voltage(V)	PWM Duty(%)	Speed R.P.M.(ref.)
0.0	0	900
9.5	95	3800



Voltage(VDC) , PWM duty (%)

Voltage	0	0.5	1	1.5	2	3	4	5	6	7	8	9	10	VDC
PWM duty	0	5	10	15	20	30	40	50	60	70	80	90	100	%