

GTB019FUA07 Delta AC230V 85W EC fan

SKU: 595990720191

Price: \$141.42

Categories: Fans

Tags: Delta

Product Link:

<https://www.electspares.com/product/gtb019fua07-delta-ac230v-85w-ec-fan/>

Product Description

Brand: Delta

Model: GTB019FUA07

Specifications and dimensions: diameter 190*70MM

Bearing structure: ball structure

Voltage: AC230V

Current: 0.35A~0.38A

Rated power: 85W

Speed: 3200R.P.M

Air volume: 428 CFM

Noise: 71 dB-A

Weight: 1.1kg

Delta Delta original EC fan GTB019FUA07 AC230V 85W D190*70mm

Product Images



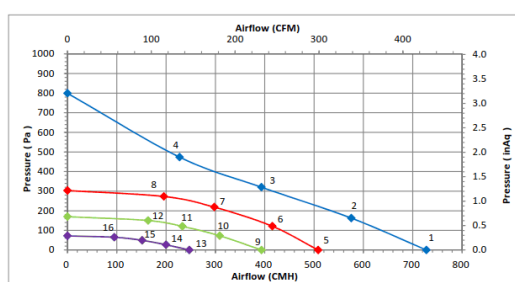
Technical features

Input Side		Physical	
Nominal Voltage	1~ 230Vac 50/60Hz	Rotation Direction	CW, Seen on rotor
Input Source	1~ 200Vac - 240Vac	Material (Impeller / Frame)	Plastic / Die-cast aluminum
Power @ Free air	85 W	Bearing system	Ball bearings
Power @ Max. load	85 W	Weight (kg)	1.1
Output Side		Electrical leads	Lead wire
Speed (RPM)	3200	Environmental	
Qmax (CMH / CFM)	728 / 428	Operating temperature range	-25 ~ +60 ℃
Pmax (Pa / inAq)	799 / 3.21	Storage temperature range	-40 ~ +70 ℃
Noise (dB-A) @ Qmax.	71.0	Safety	
Functions		Safety	UL: cUL; TUV
Control input 0-10VDC / PWM pattern.		IP Level	IP54
Output +10VDC (±10%), max. 5mA.		EMC	EN61000-6-1/3 ⁽¹⁾ , EN61000-3-2/3
Locked rotor protection, Soft start.		Protection class	I
		Insulation class	B
		Leakage current	<= 3.5 mA
		Motor protection	Over temperature protected
		Life expectancy	60,000 hrs at 40 ℃ / 15 ~ 65 %RH

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

(1) Base on installation conditions, ferrite core maybe required on the connection line for the application.

P & Q curves



Measure data:

	P	Q	R	P1	I	Lp
	[Pa]	[CMH]	[R.M.]	[W]	[A]	[dB(A)]
1	0	728	3534	85	0.60	71
2	163	575	3306	83	0.58	68
3	321	393	3200	84	0.59	66
4	474	227	3343	84	0.59	71
5	0	508	2581	33	0.28	64
6	121	415	2584	42	0.33	62
7	219	298	2585	45	0.35	61
8	273	195	2528	40	0.32	66
9	0	393	1935	17	0.16	58
10	73	309	1938	20	0.19	55
11	121	233	1920	21	0.20	54
12	150	163	1939	19	0.18	59
13	0	247	1266	6	0.09	49
14	27	200	1259	8	0.10	45
15	50	151	1260	8	0.10	45
16	65	95	1262	8	0.10	50

Test Condition :

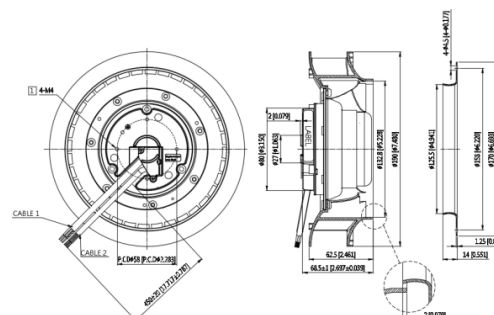
- Input Voltage: Nominal Voltage
- Temperature : Room Temperature
- Humidity : 65%RH
- Measured with inlet cone.
- Noise (Lp) is measured at a distance of one meter from the inlet side
- Testing method is compliance with ISO 3745.

Dimension drawing

Label :



Fan :

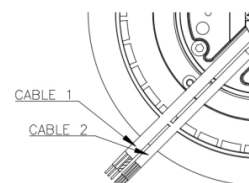


Note :

1. Depth of screw max. 5mm.

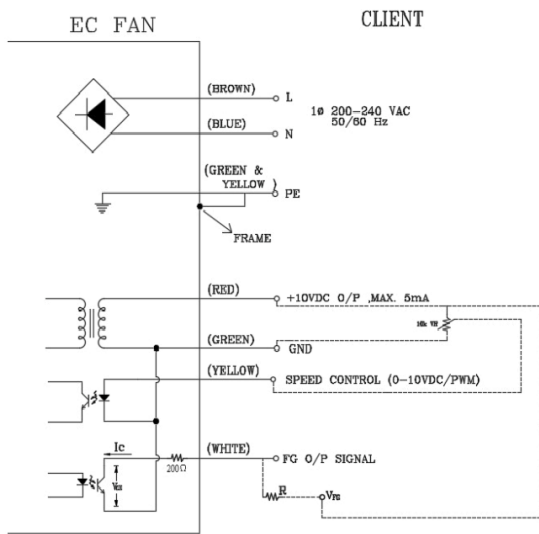
UNIT : mm[INCH]

Definition of terminal block

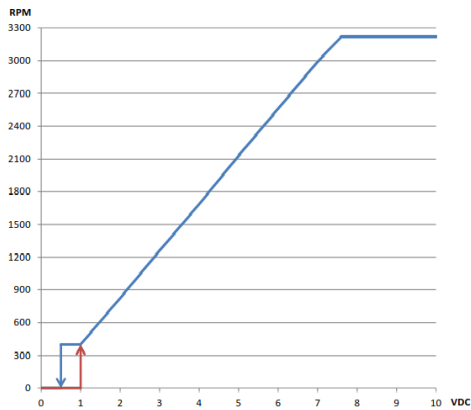


Cable	Wire Type	Color	Functions
1	UL2464 18#AWG	Brown	Line / AC main
		Blue	Neutral /AC main
		Green / Yellow	Protective Earth
2	UL2464 24#AWG	Green	Ground
		Red	+10V output
		White	F00
		Yellow	0-10VDC / PWM

Lead wire connection:



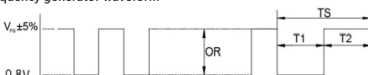
Control Voltage VS. RPM Curve



Voltage (VDC), PWM duty (%) table

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	%

Speed setting	
Full Speed	Short RED & YELLOW Fan will run full speed.
Voltage Control	Use voltage source support 0~10VDC voltage DC+ : connect to YELLOW DC- : connect to GREEN -Voltage higher than 1.0 VDC, fan start up. -Voltage lower than 0.5 VDC, fan stop
PWM Control	PWM duty control PWM amplitude is 10VDC(+/-5%) Frequency Range is 100Hz ~ 100kHz -PWM duty higher than 10%, fan start up -PWM duty lower than 5%, fan stop

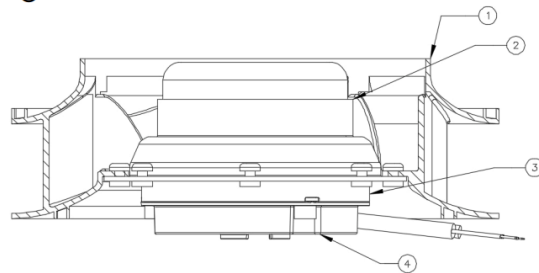
Signal function															
Voltage / PWM control	The speed comparison will control level.														
	<table><tr><th>Voltage (V)</th><th>PWM(%)</th><th>Speed (RPM) (REF)</th></tr><tr><td>0</td><td>0</td><td>0</td></tr><tr><td>1.5</td><td>15</td><td>600±50RPM</td></tr><tr><td>6.0</td><td>60</td><td>2580±8%</td></tr><tr><td>9.5</td><td>95</td><td>3200⁽¹⁾±5%</td></tr></table>	Voltage (V)	PWM(%)	Speed (RPM) (REF)	0	0	0	1.5	15	600±50RPM	6.0	60	2580±8%	9.5	95
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9.5	95	3200 ⁽¹⁾ ±5%													
(1) Depending on power consumption conditions, speed might be different.															
FG	$V_{CE(sat)} = 0.8V \text{ MAX.}$ $V_{FG} = 30.0V \text{ MAX.}$ $I_C = 5mA \text{ MAX.}$ $R \geq V_{FG} / I_C$														
	Frequency generator waveform														
															
	<table><tr><td>N=R.P.M TS=80(N/SEC)</td><td>1 PULSE PER REVOLUTION T1=T2=1/2 TS</td></tr></table>		N=R.P.M TS=80(N/SEC)	1 PULSE PER REVOLUTION T1=T2=1/2 TS											
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Protection Standard

ITEM	Standard
Rain	IEC 60529 IPX4
Dust/sand	IEC 60529 IP5X
Gas corrosion	GR-63-CORE
Salt mist	IEC 60068-2-11

FAN MATERIAL:

- ① Blades: Plastic (PA66+15%GF)
- ② Rotor: Steel with black electrodeposition coating
- ③ Pillow: Polyester (BMC)
- ④ Bottom Cover: Die-cast aluminum



Scan for product details:



