

COOLAIR SERIES.



LAMINAR
FLOW TECHNOLOGIES

info@laminarft.com | laminarft.com

Part number: CLXXM-BXXX (see section 6)

Size: 120X120x38mm

Applications: Navy | Defense | Aerospace | Industrial

Storage temperature: -54c to +85c

Operating temperature: -40c to +85c

Weight: 540gr.

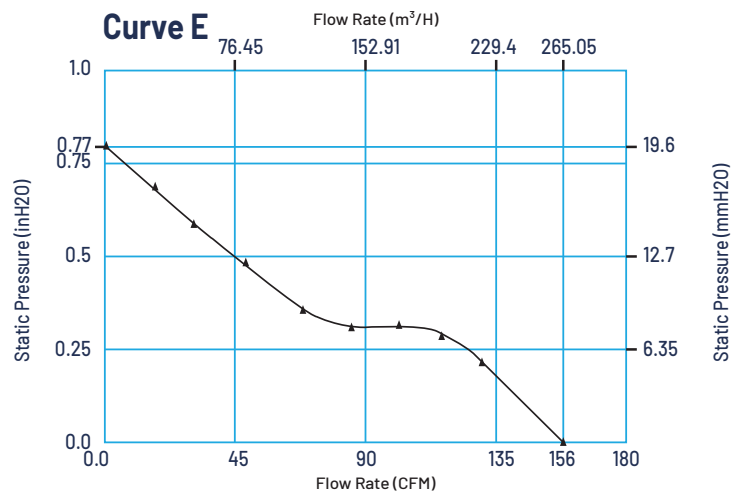
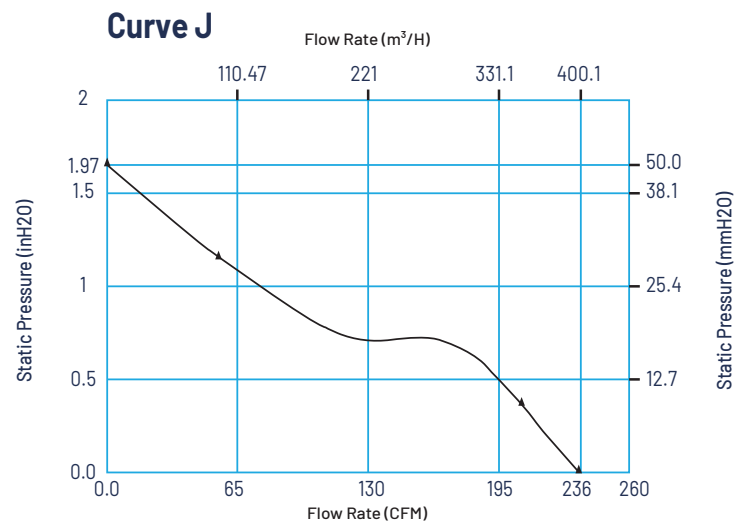
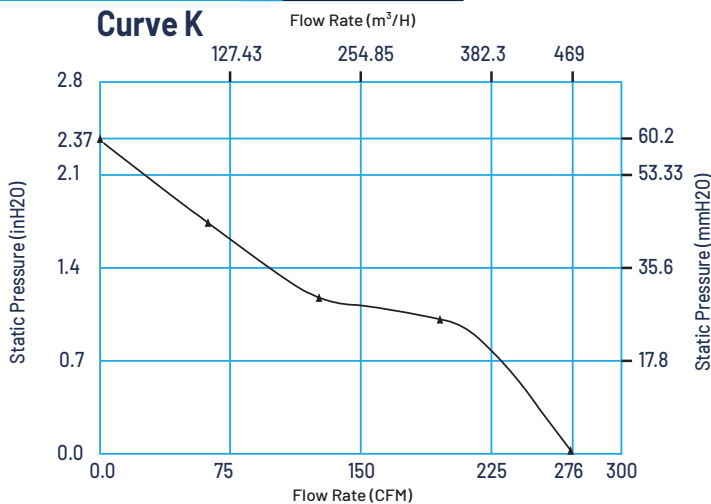


Data Table (section 1)

Part number	Speed (RPM)	Nominal (V)	Voltage range	Max air flow cfm	Max Pressure InchH2o	Current (A)	Power (w)	Noise (dBA)	life L10@40c (hours)	Curve
CL1ME-B001	4000	12	7-14	156	0.77	1.29	15.48	53.8	80000	E
CL1MJ-B001	6000	12	7-14	239	1.97	3.98	47.76	64.8	75000	J
CL1MK-B001	7000	12	7-14	276	2.37	5.5	66	69	75000	K
CL2ME-B001	4000	28	16-32	156	0.77	0.65	18.2	53.8	80000	E
CL2MJ-B001	6000	28	16-32	239	1.97	1.5	42	64.8	75000	J
CL2MK-B001	7000	28	16-32	276	2.37	2.4	67.2	69	75000	K
CL4ME-B001	4000	48	24-75	156	0.77	0.39	18.72	53.8	80000	E
CL4MJ-B001	6000	48	24-75	239	1.97	0.89	42.72	64.8	75000	J
CL4MK-B001	7000	48	24-75	276	2.37	1.39	66.72	69	75000	K

*All fans are supplied with PWM and Tacho

Performance Curve (section 2)



Mechanical Data (section 3)

Wires coding :

Yellow (+)

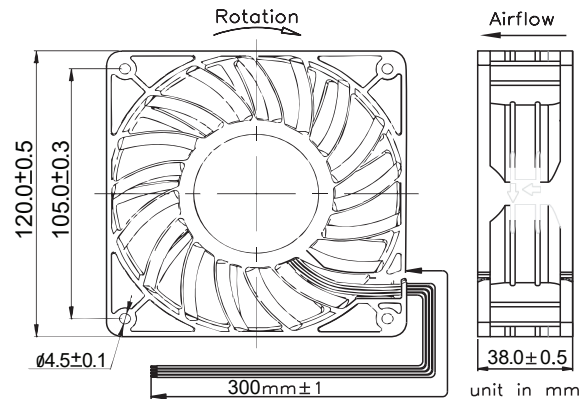
Bleack (-)

Green (tachometer)

Blue (PWM)

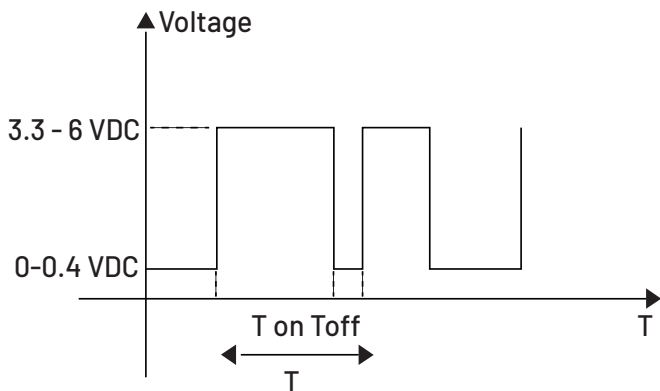
Wire: # 22AWG

Default Drawing, For Customization See Factory



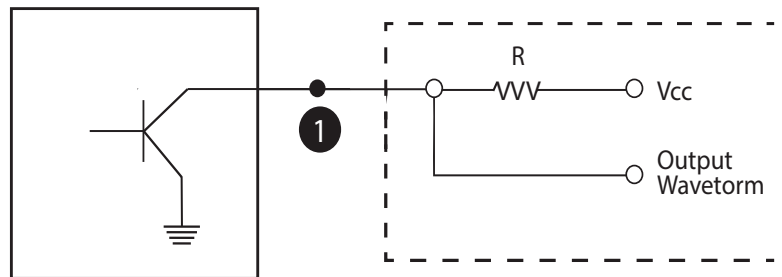
Electrical Connection and Data (section 4)

PWM Control Input (w)



PWM Frequency: 18 KHz To 30 KHz Duty Cycle=Ton/T x100%
Range: 0-100%

TACHO



please select "R" value so at
point "1" will see Max 1~5mA
2 pulses per rotation

Environmental Specs (section 5)

THIS FAN IS DESIGNED, TESTED AND MEETS THE FOLLOWING REQUIREMENTS OF MIL-STD-810H

Altitude: MIL-STD-810H 500 P-I , P-II

High Temperature: MIL-STD-810H 501 P-I , P-II

Low Temperature: MIL-STD-810H 502 P-I , P-II

Vibration: MIL-STD-810H 514 P-I , P-II

Shock: MIL-STD-810H 516 P-I , P-II

Salt Equivalent : MIL-STD-810H 509

Rain : MIL-STD-810H 506

Humidity: MIL-STD-810H 507

Part Number Coding (section 6)

CL_M_B_
① ② ③

①
VOLTAGE 1-12VDC
2-28VDC
4-48VDC

②
SPEED E,J,K..

③
INTERNAL FACTORY
SETTING