MINI CROSS FLOW FANS (BLOWERS)



General Specifications:

Life Expectancy(L10) Brushless DC Motor Bearing System Operation Temperature Storage Temperature Material Lead Type Lead Length Weight **RoHS** >65,000hours@40°C CE/UL/CUL/TÜV Triple Ball Bearings -10°C ~ +70°C -20°C ~ +75°C UL94V-0/PBT GF Filled UL157/AWG#28 160mm+/-5 0.5 oz~1.2 oz. Yes

Model	Voltage (V)	Current (A)	Power (W)	Norminal Speed (RPM)	Air Flow (CFM)	Noise (dBA)	Pressure (InH ₂ O)	Ball Bearing	Weight (Grams)
CFR1B12X	12	0.1	1.2	11,500	6.7	36	0.23	Full	18
CFR2B12X	12	0.11	1.32	9,500	10.5	35	0.20	Full	24
CFR3B12X	12	0.12	1.44	8,500	15.0	34	0.17	Full	28
CFR4B12X	12	0.13	1.56	7,500	18.5	34	0.16	Full	32
CFR1B5X	5	0.22	1.1	11,500	6.7	36	0.23	Full	18
CFR2B5X	5	0.24	1.2	9,500	10.5	35	0.20	Full	24
CFR3B5X	5	0.26	1.3	8,500	15.0	34	0.17	Full	28
CFR4B5X	5	0.28	1.4	7,500	18.5	34	0.16	Full	32
CFR1B12H	12	0.07	0.84	8,000	3.8	28	0.18	Full	14
CFR2B12H	12	0.08	0.96	7,000	5.5	25	0.14	Full	20
CFR3B12H	12	0.09	1.08	5,500	8.0	23	0.12	Full	26
CFR1B5H	5	0.18	0.9	8,000	3.8	28	0.18	Full	14
CFR2B5H	5	0.19	0.95	7,000	5.5	25	0.14	Full	20
CFR3B5H	5	0.20	1.00	5,500	8.0	23	0.12	Full	26

Specifications subject to change without notice

Mechanical Specifications (mm)



Speed Sensor/ Tachometer Connection



PWM Speed Control Guide

PWM frequency: 18~30KHz

Duty Cycle: 0~40% is not used. 40~100% controls speed linearly up to maximum speed.



Voltage Speed Control Guide

Speed of both X and H series also can be controlled by regulated voltage with speed signal feedback. For example, the speed of 12V and 5V fan can be controlled by a IC, such as MAX6650, or similar one.

