

# MECHATRONICS F1238-H SERIES

120mm x 120mm x 38mm DC Axial Fan



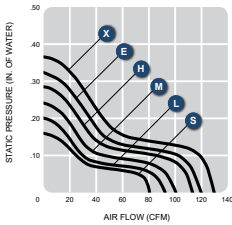
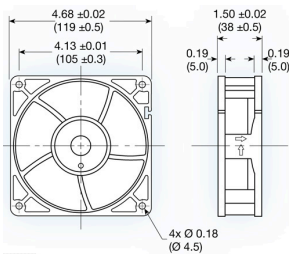
Specifications	
Series	F1238-H
Product Type	DC Axial Fans
Dimensions	120mm x 120mm x 38mm 4.69in x 4.69in x 1.50in
Rated Voltage	5/12/24/48VDC
Weight	9.5 g
Frame Construction	UL94V-0 PBT Plastic
Impeller Construction	UL94V-0 PBT Plastic
Motor Type	Brushless DC
Airflow	Air exhaust over struts
Motor Protection	Locked rotor protection, Reverse polarity protection
Storage Temp	-40°C ~+70°C
Operating Temp	-10°C ~+70°C
Insulation Class	Class A

Available Options	
Connection Options	Lead wires
Protection Options	IP57, Conformal coating
Additional Options	Locked Rotor Alarm, PWM Speed Control, Tachometer Output

Accessories	
Plastic Fan Guards & Filters	09450 120mm (4.72") Square Plastic Fan Guards & Filters

Filter Kits	AFG-12T 120mm (4.72") Square Filter Kits AFG-12TR 120mm (4.72") Square Filter Kits PFG-12 120mm (4.72") Square Filter Kits PFG-12X3 120mm (4.72") Square Filter Kits PFG2-12 120mm (4.72") Square Filter Kits PFG2-12NR 120mm (4.72") Square Filter Kits
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Metal Fan Guards	SGR-47 120mm (4.72") Square Metal Fan Guards SGR-47A 120mm (4.72") Square Metal Fan Guards
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Model Number	Rated Voltage	Input Power	Rated Current	Speed	Air Volume		Max Static Pressure (H <sub>2</sub> O)		Sound Noise
	V	W	A	RPM	m <sup>3</sup> /min	CFM	mm/H <sub>2</sub> O	in/H <sub>2</sub> O	dBA
F1238S05-H	5VDC	2.6	0.52	2,100	2.29	81	4.06	0.16	33
F1238S12-H	12VDC	2.16	0.18	2,100	2.29	81	4.06	0.16	33
F1238S24-H	24VDC	2.16	0.09	2,100	2.29	81	4.06	0.16	33

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	V	W	A	RPM	m <sup>3</sup> /min	CFM	mm/H <sub>2</sub> O	in/H <sub>2</sub> O	dBA
F1238S48-H	48VDC	2.88	0.06	2,100	2.29	81	4.06	0.16	33
F1238L12-H	12VDC	3.48	0.29	2,400	2.63	93	5.08	0.20	35
F1238L24-H	24VDC	3.48	0.15	2,400	2.63	93	5.08	0.20	35
F1238L48-H	48VDC	3.84	0.08	2,400	2.63	93	5.08	0.20	35
F1238M12-H	12VDC	4.32	0.36	2,700	2.92	103	6.10	0.24	38
F1238M24-H	24VDC	4.32	0.18	2,700	2.92	103	6.10	0.24	38
F1238M48-H	48VDC	5.76	0.12	2,700	2.92	103	6.10	0.24	38
F1238H12-H	12VDC	5.28	0.44	3,000	3.17	112	7.11	0.28	41
F1238H24-H	24VDC	5.28	0.22	3,000	3.17	112	7.11	0.28	41
F1238H48-H	48VDC	6.72	0.14	3,000	3.17	112	7.11	0.28	41
F1238E12-H	12VDC	8.4	0.70	3,300	3.43	121	8.38	0.33	44
F1238E24-H	24VDC	8.4	0.35	3,300	3.43	121	8.38	0.33	44
F1238E48-H	48VDC	10.08	0.21	3,300	3.43	121	8.38	0.33	44
F1238X12-H	12VDC	11.4	0.95	3,600	3.68	130	9.40	0.37	47
F1238X24-H	24VDC	12	0.50	3,600	3.68	130	9.40	0.37	47