

CFM-BLDC150-350W

CHARACTERISTICS:

A cooling fan module powered by a brushless motor, offering high efficiency, low noise, and lightweight design. It features compact axial packaging and comprehensive diagnostics, with an electrical power range of 150-350W (12V), ideal for long-life applications in hybrid, electric, and internal combustion engine vehicles.



Brushless Motor for Cooling Fan Module

Application Example: Cooling fan radiator



SPECIFICATIONS:

Supply voltage range / Nominal (V) :	9-16 (12)
Electric power range (W) :	150 – 350
Airflow power range (W) :	64 - 148
Motor and Fan length (mm) :	60
Shroud Dimension (LxH mm) :	480x497
Weight (g) :	2400
Max Efficiency (%) :	42,4
Sound Pressure Level (OASPL dBa) :	69-76
Fan Diameter (mm) :	390
Min fan speed (rpm) :	500
Max fan speed (rpm) :	2250-2700
Temperature full operation range (°C) :	-40-120
Life (h) :	Up to 40000 (depending on life cycle)
Reverse Polarity Protection :	Yes
Thermal Protection :	Yes

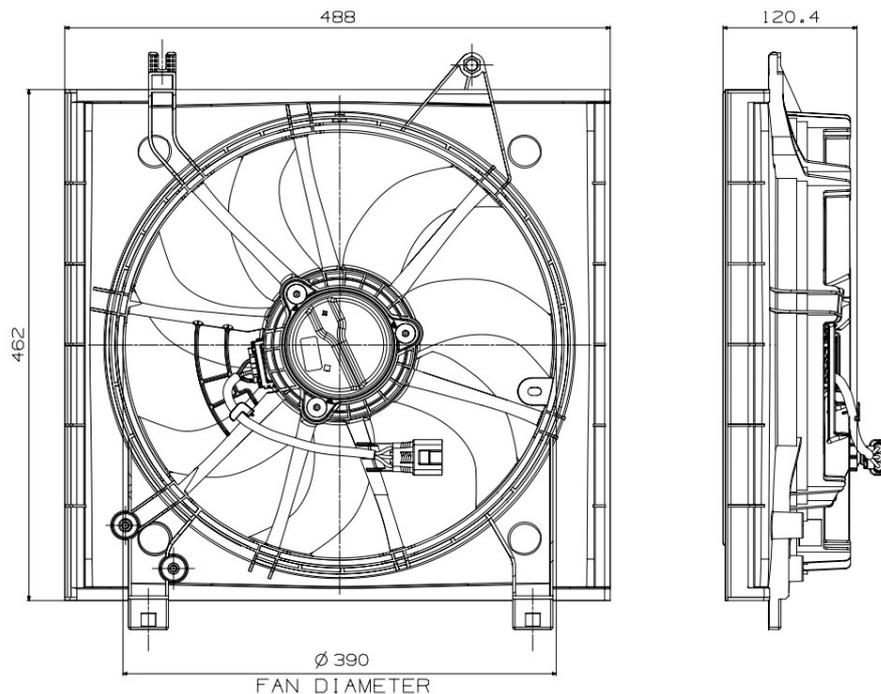
All data are for reference only. The design is fully customizable.

PERFORMANCE DATA:

Density [Kg/m ³]	Temp [°C]	Airflow [m ³ /h]	Pressure head [Pa]	Input Power [W]	Output Power [W]	Efficiency [%]	Voltage [V]	Current [A]	Speed [RPM]
1,168	25	5622	-330	23	-516	0,0	12	2,0	2450
1,168	25	5479	-297	38	-452	0,0	12	3,2	2451
1,168	25	5335	-264	53	-391	0,0	12	4,4	2451
1,168	25	5190	-231	68	-333	0,0	12	5,7	2451
1,168	25	5042	-198	83	-277	0,0	12	6,9	2451
1,168	25	4893	-165	98	-224	0,0	12	8,2	2451
1,168	25	4718	-132	115	-173	0,0	12	9,6	2451
1,168	25	4543	-99	133	-125	0,0	12	11,1	2451
1,168	25	4343	-66	150	-80	0,0	12	12,6	2451
1,168	25	4121	-33	169	-38	0,0	12	14,2	2451
1,168	25	3900	0	188	0	0,0	12	15,8	2451
1,168	25	3658	33	207	34	16,2	12	17,3	2451
1,168	25	3389	66	224	62	27,8	12	18,8	2451
1,168	25	3091	99	239	85	35,6	12	20,0	2450
1,168	25	2760	132	250	101	40,5	12	20,9	2451
1,168	25	2376	161	250	106	42,4	12	20,9	2418
1,168	25	1963	190	250	104	41,5	12	20,9	2401
1,168	25	1493	220	250	91	36,5	12	20,9	2391
1,168	25	1086	246	250	74	29,7	12	20,9	2367

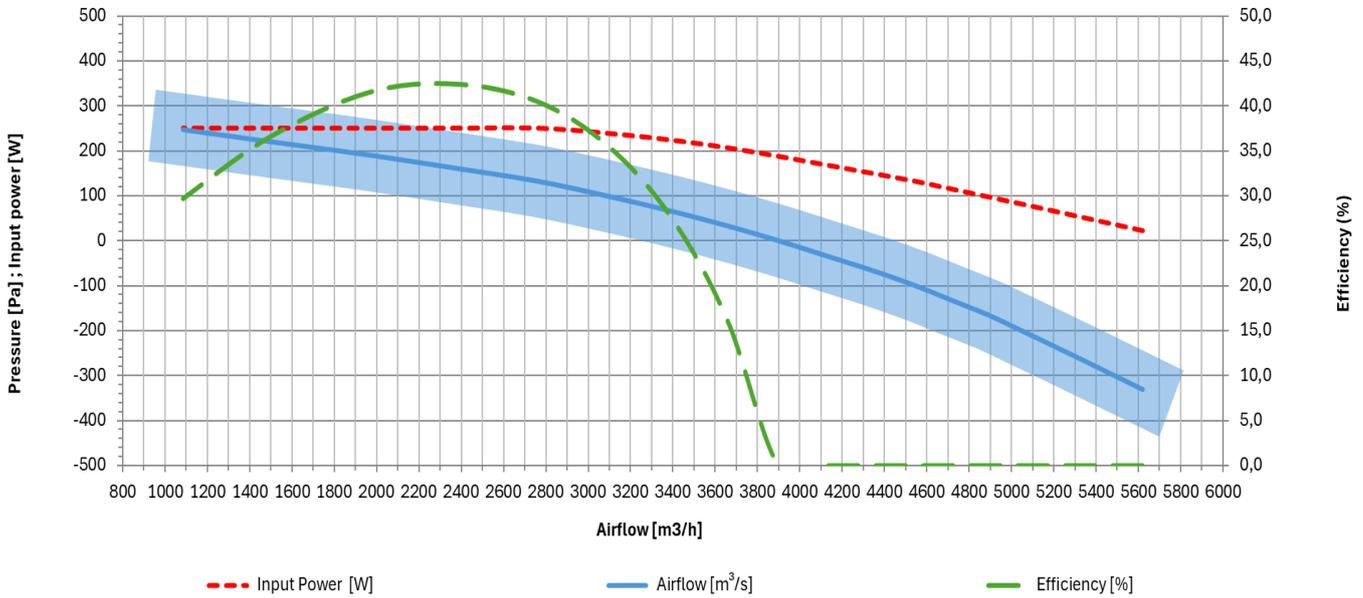
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OUTLINE DRAWING:



PERFORMANCE CURVE:

Tested according to ISO-5801 performed @ 25°C with air density of 1,168 Kg/m³



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