



Wall Mounted
Controller

- Easier Duct Connection & Detachable Bracket

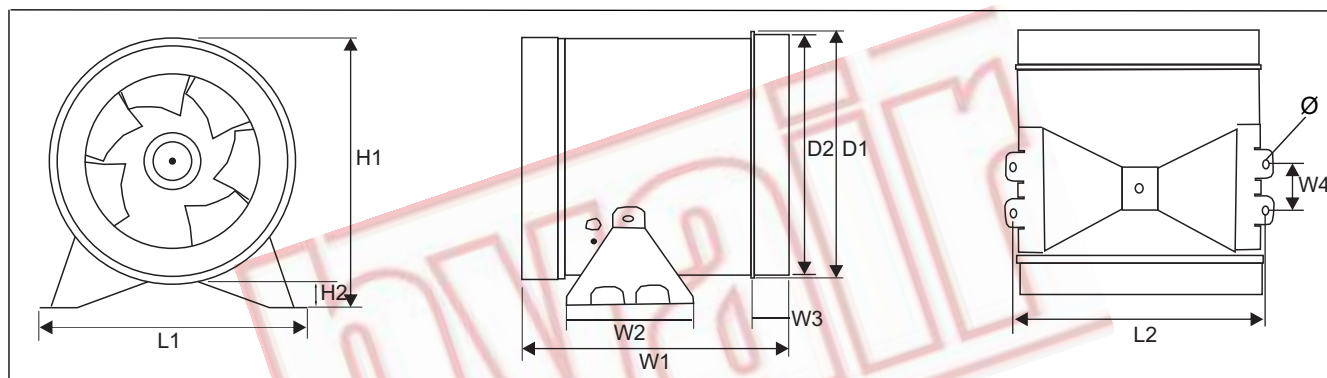
Features

- Jet-engine-inspired blade design and EC motor technology.
- Power ranges from 18W to 550W
- Volumetric flow up to 4369 m³/h

Motors

- Different motor concepts allow for varied speed controls.

DIMENSIONS (mm)



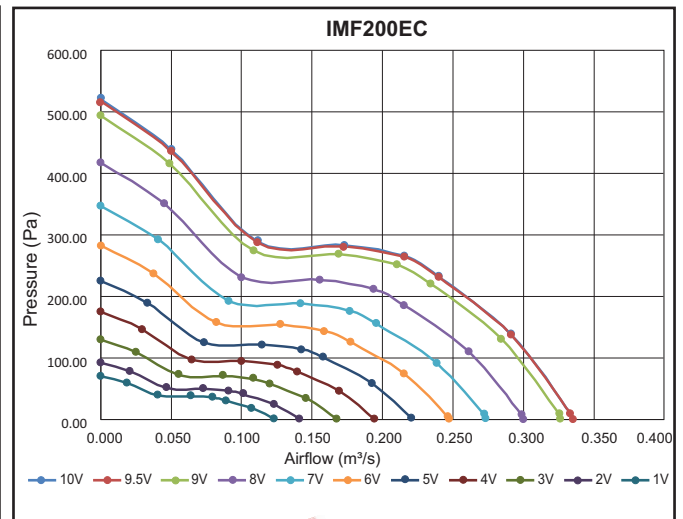
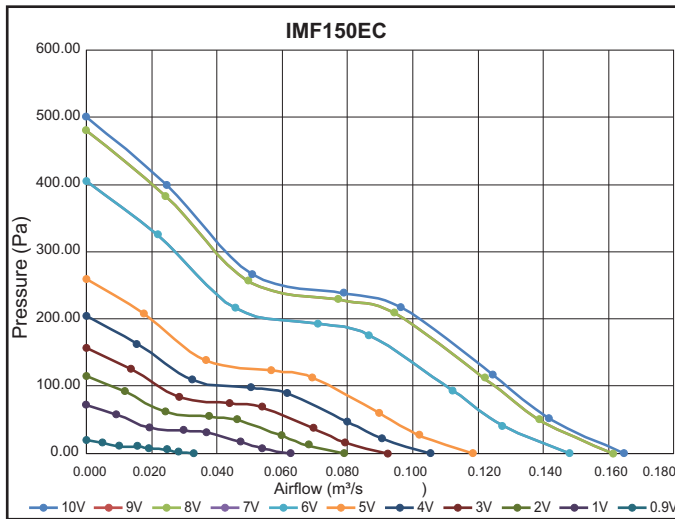
Model	L1	L2	H1	H2	D1	D2	W1	W2	W3	W4	Ø
IMF150EC	187	175	173	21	Ø153	Ø150	165	80	20	37	5
IMF200EC	222	210	223	22	Ø203	Ø200	220	105	30	39	5
IMF250EC	300	280	274	22	Ø254	Ø250	210	105	35	56	5
IMF315EC	360	336	356	40	Ø318	Ø313	290	164	38	68	9
IMF355EC	405	380	401	45	Ø358	Ø353	330	184	35	77	9

TECHNICAL DATA

Model	Fan Size	Motor Type	Rated Voltage	Max Power	Max Speed	Max Airflow	Max Air Pressure	Max Noise	IP Rating	Net Weight
IMF150EC	150mm	EC Motor	220~240VAC	40W	5000rpm	594m ³ /h	500Pa	60 dBA	IPX4	1.6kg
IMF200EC	200mm	EC Motor	220~240VAC	75W	3800rpm	1205m ³ /h	520Pa	61.6 dBA	IPX4	2.5kg
IMF250EC	250mm	EC Motor	220~240VAC	150W	3200rpm	1808m ³ /h	510Pa	65 dBA	IPX4	3kg
IMF315EC 220V	315mm	EC Motor	220~240VAC	260W 320W	2800rpm 3000rpm	2787m ³ /h 2987m ³ /h	598Pa 677Pa	78 dBA	IP65	8.5kg
IMF355EC	355mm	EC Motor	220~240VAC	550W	3000rpm	4357m ³ /h	510Pa	80 dBA	IP65	11kg

Note: The noise value is the measured value at the distance of 1 meter from the fan inlet.

PERFORMANCE DATA



MODEL	DUTY CYCLE	0-10V	SPEED(RPM)	CFM	m³/hr	m³/s	Pa	db(A)	POWER(W)	POWER FACTOR
IMF150EC 220V	10%	0.9V	1000RPM	69.88	118.8	0.033	20.00	3.6	3.6±15%	0.7
	20%	1V	1900RPM	132.78	225.7	0.063	72.20	5.6	5.6±15%	0.43
	30%	2V	2400RPM	167.72	285.1	0.079	115.20	7.9	7.9±15%	0.47
	40%	3V	2800RPM	195.67	332.6	0.092	156.80	10.7	10.7±15%	0.52
	50%	4V	3200RPM	223.62	380.2	0.106	204.80	14.4	14.4±15%	0.57
	60%	5V	3600RPM	251.58	427.7	0.119	259.20	19.3	19.3±15%	0.57
	70%	6V	4000RPM	279.53	475.2	0.132	320.00	24.5	24.5±15%	0.57
	80%	7V	4500RPM	314.47	534.6	0.149	405.00	32.4	32.4±15%	0.58
	90%	8V	4900RPM	342.42	582.1	0.162	480.20	40.6	40.6±15%	0.58
	95%	9V	4900RPM	342.42	582.1	0.162	480.20	41.3	41.3±15%	0.58
	100%	10V	5000RPM	349.41	594.0	0.165	500.00	41.4	41.4±10%	0.58

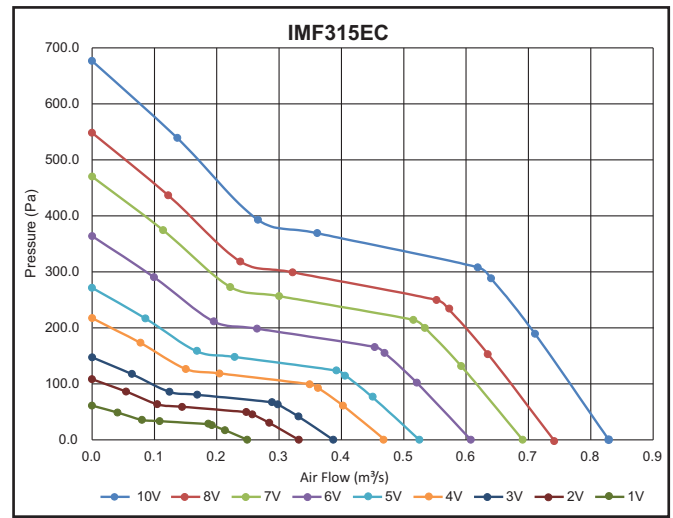
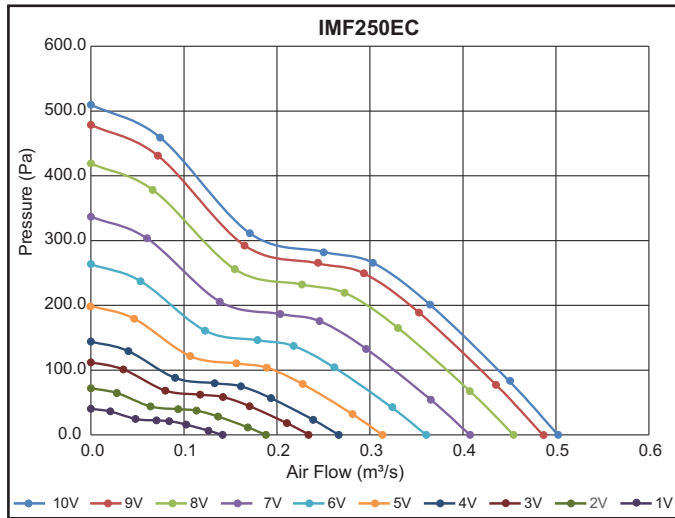
MODEL	DUTY CYCLE	0-10V	SPEED(RPM)	CFM	m³/hr	m³/s	Pa	db(A)	POWER(W)	POWER FACTOR
IMF200EC 220V	10%	1V	1400RPM	261.15	444.0	0.123	70.58	39.92	6.7±15%	0.25
	20%	2V	1600RPM	298.45	507.4	0.141	92.19	42.82	9.4±15%	0.29
	30%	3V	1900RPM	354.41	602.5	0.167	130.00	46.55	13.5±15%	0.35
	40%	4V	2200RPM	410.37	697.6	0.194	174.29	49.73	19.1±15%	0.38
	50%	5V	2500RPM	466.33	792.8	0.220	225.07	52.51	26.3±15%	0.41
	60%	6V	2800RPM	522.29	887.9	0.247	282.33	54.97	34.9±15%	0.44
	70%	7V	3100RPM	578.25	983.0	0.273	346.07	57.17	45.3±15%	0.45
	80%	8V	3400RPM	634.21	1078.2	0.299	416.29	59.18	59.9±15%	0.46
	90%	9V	3700RPM	690.17	1173.3	0.326	492.99	61.02	76.8±15%	0.46
	95%	9.5V	3790RPM	706.96	1201.8	0.334	517.27	61.54	81±15%	0.46
	100%	10V	3800RPM	710.00	1205.0	0.335	520.00	61.60	81.8±10%	0.46

In-Line Fan IMF EC Series



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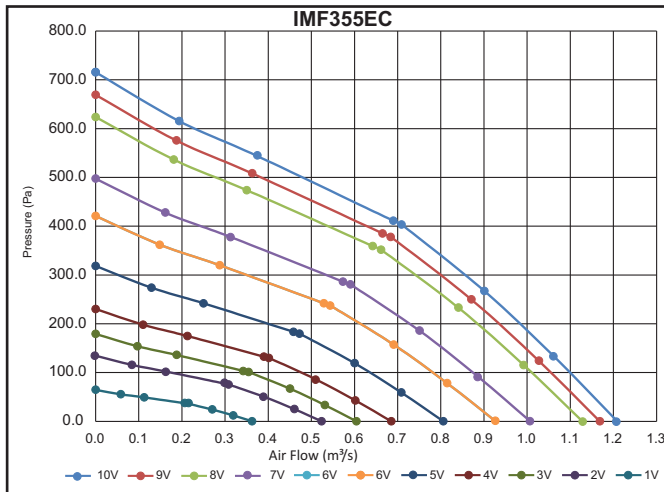
PERFORMANCE DATA



MODEL	DUTY CYCLE	0-10V	SPEED(RPM)	CFM	m³/hr	m³/s	Pa	db(A)	POWER(W)	POWER FACTOR
IMF250EC	12%	1V	900RPM	299.12	508.5	0.141	40.34	37.45	6.5±15%	0.4
	20%	2V	1200RPM	398.82	678.0	0.188	71.75	43.70	9.9±15%	0.47
	30%	3V	1500RPM	498.53	847.5	0.235	112.06	48.55	15.8±15%	0.55
	40%	4V	1700RPM	565.00	960.5	0.267	143.94	51.26	24.6±15%	0.57
	50%	5V	2000RPM	664.71	1130.0	0.314	199.22	54.79	37.5±15%	0.58
	60%	6V	2300RPM	764.41	1299.5	0.361	263.47	57.83	53.2±15%	0.59
	70%	7V	2600RPM	864.12	1469.0	0.408	336.68	60.49	73.2±15%	0.60
	80%	8V	2900RPM	963.82	1638.5	0.455	418.86	62.86	99.5±15%	0.61
	90%	9V	3100RPM	1030.29	1751.5	0.487	478.62	64.31	130.4±15%	0.62
	100%	10V	3200RPM	1065.00	1808.0	0.502	510.00	65.00	131±10%	0.62

MODEL	DUTY CYCLE	0-10V	SPEED(RPM)	CFM	m³/hr	m³/s	Pa	db(A)	POWER(W)	POWER FACTOR
IMF315EC 220V	12%	1V	900RPM	527.12	896.1	0.249	60.93	45.86	13.8±15%	0.55
	20%	2V	1200RPM	702.82	1194.8	0.332	108.32	52.10	23.8±15%	0.59
	30%	3V	1400RPM	819.96	1393.9	0.387	147.44	55.45	39.1±15%	0.6
	40%	4V	1700RPM	995.66	1692.6	0.470	217.39	59.67	59.6±15%	0.61
	50%	5V	1900RPM	1112.81	1891.8	0.525	271.55	62.08	86.8±15%	0.62
	60%	6V	2200RPM	1288.51	2190.5	0.608	364.08	65.27	125.6±15%	0.64
	70%	7V	2500RPM	1464.22	2489.2	0.691	470.14	68.04	168.7±15%	0.65
	80%	8V	2700RPM	1569.59	2668.3	0.741	548.37	69.71	230±15%	0.67
	90%	9V	3000RPM	1757.06	2987.0	0.830	677.00	72.00	301±10%	0.69
	95%	9.5V	3000RPM	1757.06	2987.0	0.830	677.00	72.00	299±10%	0.69
	100%	10V	3000RPM	1757.06	2987.0	0.830	677.00	72.00	306±10%	0.69

PERFORMANCE DATA



MODEL	DUTY CYCLE	0-10V	SPEED(RPM)	CFM	m³/hr	m³/s	Pa	db(A)	POWER(W)	POWER FACTOR
IMF355EC	12%	1V	900RPM	768.88	1307.1	0.363	64.44	53.86	27.7±15%	0.32
	20%	2V	1300RPM	1110.61	1888.0	0.524	134.45	61.84	57.7±15%	0.41
	30%	3V	1500RPM	1281.47	2178.5	0.605	179.00	64.95	80.1±15%	0.42
	40%	4V	1700RPM	1452.34	2469.0	0.686	229.92	67.67	110±15%	0.43
	50%	5V	2000RPM	1708.63	2904.7	0.807	318.22	71.50	166±15%	0.45
	60%	6V	2300RPM	1964.92	3340.4	0.928	420.85	74.23	247.3±15%	0.48
	70%	7V	2500RPM	2135.78	3630.8	1.009	497.22	76.04	324.3±15%	0.49
	80%	8V	2800RPM	2392.08	4066.5	1.130	623.72	78.50	426.4±15%	0.50
	90%	9V	2900RPM	2477.51	4211.8	1.170	669.06	79.26	510.2±15%	0.52
	100%	10V	3000RPM	2563.00	4357.0	1.210	716.00	80.00	534±10%	0.52