

225mm Plastic Backward Centrifugal Fan

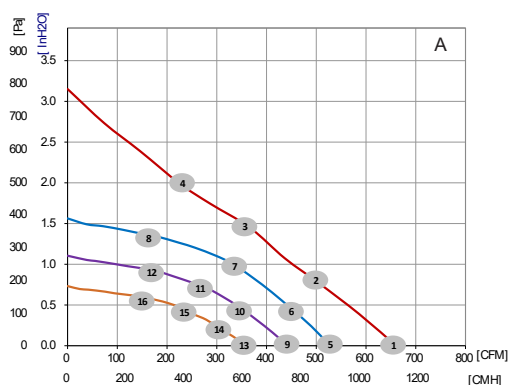
SPECIFICATIONS

- Material: Impeller: Plastic
Rotor: Zinc Plating Steel
Electronics housing: Die-cast aluminium
- Number of blades: 7
- Direction of rotation: Clockwise viewed toward rotor
- Insulation class: "B"
- Installation position: Any
- Degree of protection: IP54
- Condensation drainage holes: None
- Mode: Continuous operation (S1)
- Mounting: Maintenance-free ball bearings
- Technical features: Controller input PWM/0-10V
- Cable exit: Variable
- Protection class: I (with customer connection of protective earth)
- Conformity with standards: EN 60335-1 / UL
- Weight: 1.5KG

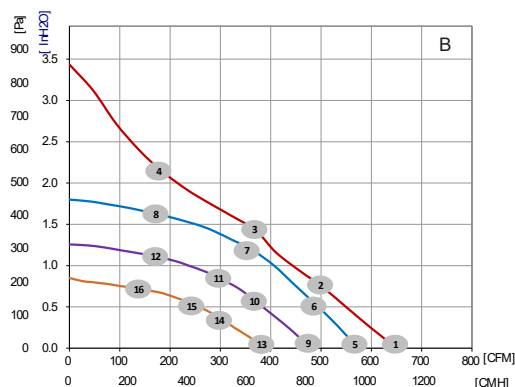


PERFORMANCE

Nominal data	Platform	Nominal voltage range	Frequency	Speed*	Max input power*	Max input current*	Operating ambient temp	Life time	Curve	PWM/0-10V
Type	Motor	VAC	Hz	rpm	W	A	°C	Hr		
ECO225CB126072210	ECO-072-025-126-PA-211	120	50 / 60	2630	130	1.81	-20 to +60	40,000	A	•
ECO225CB235072210	ECO-072-025-235-PA-211	230		2670		1.04			B	

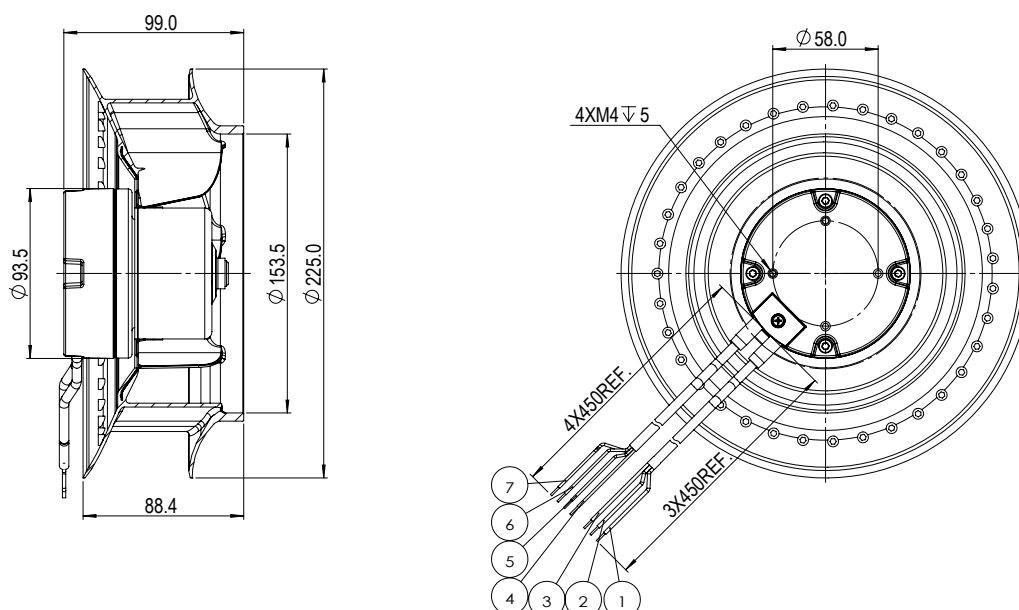


	n (rpm)	P1 (W)	I (A)	η (%)	P (Pa)	P (inH ₂ O)	Q (CMH)	Q (CFM)
①	2850	135	1.79	—	0	0	1100	648
②	2620	135	1.81	33.83	192	0.77	857	505
③	2630	135	1.81	46.28	361	1.45	622	367
④	2800	135	1.81	39.05	495	1.99	384	226
⑤	2280	68	0.99	—	0	0	895	527
⑥	2280	83	1.18	28.5	111	0.45	767	452
⑦	2280	85	1.22	45.9	250	1.00	564	332
⑧	2280	75	1.09	36.8	336	1.35	297	175
⑨	1930	42	0.66	—	0	0	753	443
⑩	1930	54	0.81	35.4	117	0.47	589	347
⑪	1930	52	0.79	44.7	178	0.71	474	279
⑫	1930	50	0.75	39.3	227	0.91	310	182
⑬	1570	25	0.41	—	0	0	611	360
⑭	1570	29	0.47	26.6	54	0.22	518	305
⑮	1570	30	0.48	41.9	114	0.46	395	232
⑯	1570	29	0.47	37.4	148	0.59	260	153



	n (rpm)	P1 (W)	I (A)	η (%)	P (Pa)	P (inH ₂ O)	Q (CMH)	Q (CFM)
①	2865	130	1.04	—	0	0	1102	649
②	2660	130	1.04	34.4	192	0.77	845	498
③	2670	130	1.04	47.9	358	1.44	629	370
④	2840	131	1.04	35.4	538	2.16	311	183
⑤	2490	85	0.71	—	0	0	972	572
⑥	2490	103	0.84	29.4	131	0.53	832	490
⑦	2490	106	0.87	47.9	299	1.20	614	361
⑧	2490	91	0.76	37.7	403	1.62	307	181
⑨	2090	52	0.46	—	0	0	813	479
⑩	2090	67	0.57	36	137	0.55	633	373
⑪	2090	65	0.55	45.8	211	0.85	507	298
⑫	2090	58	0.51	38	277	1.11	289	170
⑬	1690	30	0.28	—	0	0	656	386
⑭	1690	37	0.34	35	91	0.37	508	299
⑮	1690	36	0.33	43	137	0.55	407	239
⑯	1690	33	0.31	35.3	181	0.73	231	136

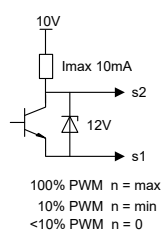
DRAWING



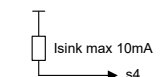
DIAGRAM

Customer circuit

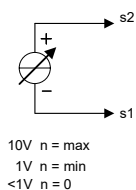
PWM frequency 1-10 kHz



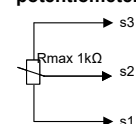
Tach output open collector



Adjustable speed

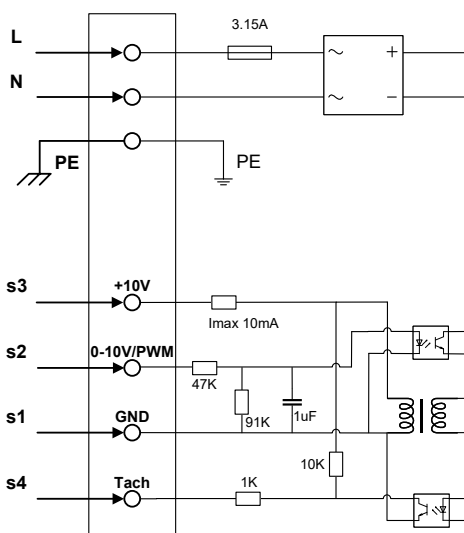


Speed adjustable via potentiometer



Interface

Fan/Motor



NO.	DESIGNATION	COLOR	ASSIGNMENT
1	L	BROWN	POWER SUPPLY
2	N	BLUE	NEUTRAL
3	PE	GREEN/YELLOW	PROTECTIVE EARTH
4	GND	BLACK	GND CONNECTION FOR CONTROL INTERFACE, SELV
5	PWM/0-10V	YELLOW	CONTROL INPUT PWM/0-10V, SELV
6	TACHO	WHITE	TACHO OUT, 1 PULSE/REVOLUTION, SELV
7	+10V	RED	VOLTAGE OUTPUT 10 VDC, SELV