

250mm Plastic Backward Centrifugal Fan

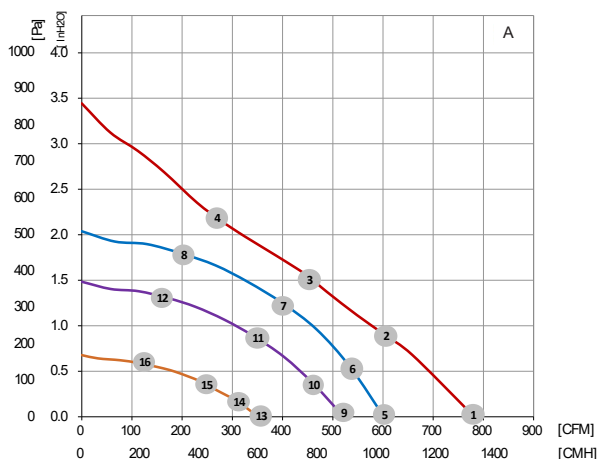
SPECIFICATIONS

- 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: 1.7KG

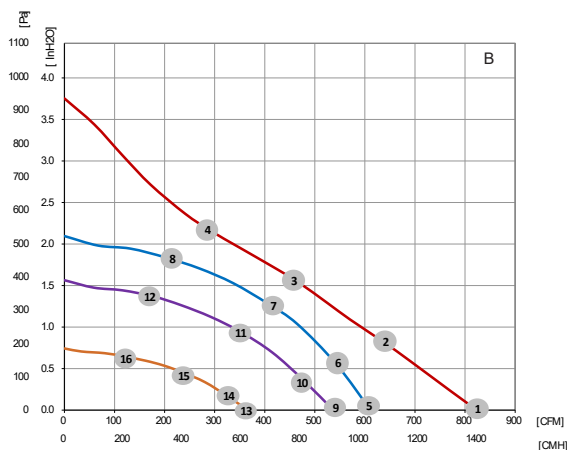


PERFORMANCE

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		
ECO250CB126072220	ECO-072-025-126-PA-221	120	50 / 60	2740	170	2.36	-20 to +60	40,000	A	●
ECO250CB235072220	ECO-072-025-235-PA-221	230		2750		1.31			B	

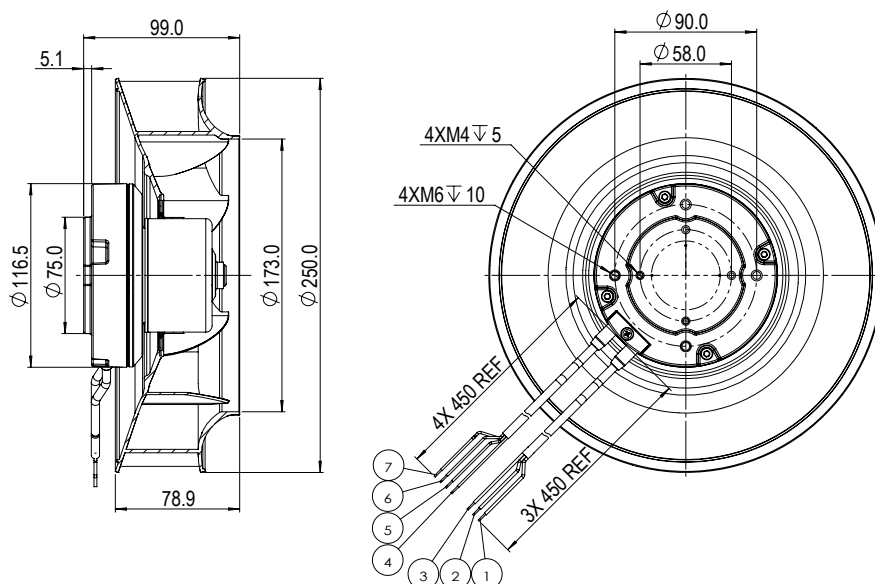


	n (rpm)	P1 (W)	I (A)	η (%)	P (Pa)	P (InH ₂ O)	Q (CMH)	Q (CFM)
①	3130	149	2.11	—	0	0	1324	780
②	2860	167	2.36	38.0	225	0.90	1025	604
③	2740	168	2.36	48.6	388	1.56	760	448
④	2780	167	2.36	42.0	535	2.15	473	279
⑤	2480	72	1.08	—	0	0	1021	601
⑥	2480	101	1.43	33.8	135	0.54	908	535
⑦	2480	119	1.67	48.9	311	1.25	679	400
⑧	2480	111	1.56	38.0	446	1.79	341	201
⑨	2120	46	0.72	—	0	0	885	521
⑩	2120	61	0.92	31.6	89	0.36	785	462
⑪	2120	74	1.09	48.0	222	0.89	578	341
⑫	2120	69	1.03	38.1	325	1.30	294	173
⑬	1450	17	0.28	—	0	0	596	351
⑭	1450	21	0.35	28.5	42	0.17	527	310
⑮	1450	25	0.40	43.8	98	0.39	399	235
⑯	1440	23	0.38	33.2	148	0.59	189	111

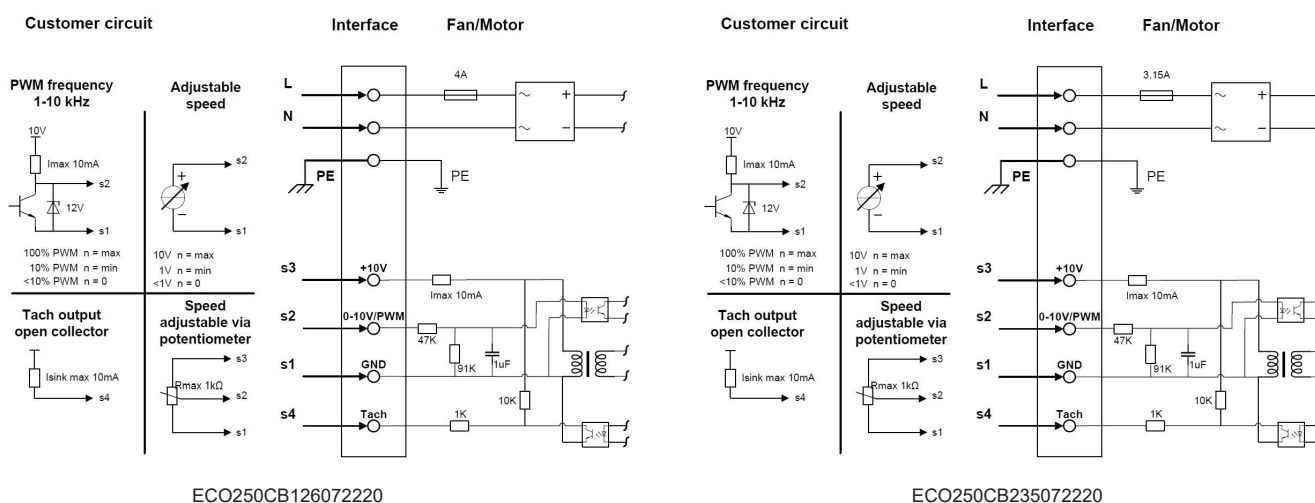


	n (rpm)	P1 (W)	I (A)	η (%)	P (Pa)	P (InH ₂ O)	Q (CMH)	Q (CFM)
①	3260	169	1.31	—	0	0.00	1391	819
②	2910	169	1.31	36.1	205	0.82	1082	637
③	2750	169	1.31	49.8	385	1.55	790	466
④	2790	169	1.31	43.7	537	2.16	496	292
⑤	2510	75	0.59	—	0	0	1037	611
⑥	2510	101	0.78	34.8	138	0.55	922	543
⑦	2510	122	0.93	49.9	319	1.28	690	406
⑧	2510	113	0.86	38.7	458	1.84	344	202
⑨	2170	50	0.41	—	0	0	910	536
⑩	2170	65	0.52	31.6	92	0.37	808	476
⑪	2170	79	0.62	49.1	235	0.94	598	352
⑫	2170	74	0.58	38.4	341	1.37	302	178
⑬	1510	19	0.17	—	0	0	622	366
⑭	1510	25	0.21	26.7	43	0.17	551	324
⑮	1510	29	0.24	43.8	113	0.46	400	236
⑯	1510	27	0.23	32.9	162	0.65	199	117

DRAWING



DIAGRAM



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

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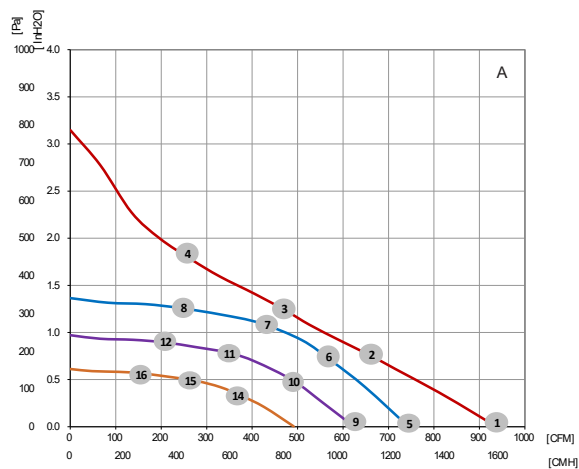
SPECIFICATIONS

- Material: Impeller: Plastic
Rotor: Zinc Plating Steel
Electronics housing: Die-cast aluminium
- Number of blades: 11
- 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: 1.7KG

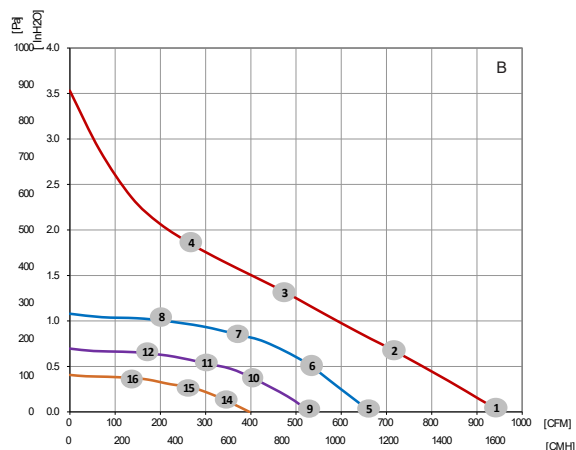


PERFORMANCE

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		
ECO250CB126072221	ECO-072-025-126-PA-221	120	50 / 60	2300	170	2.37	-20 to +60	40,000	A	●
ECO250CB235072221	ECO-072-025-126-PA-221	230		2300		1.32			B	

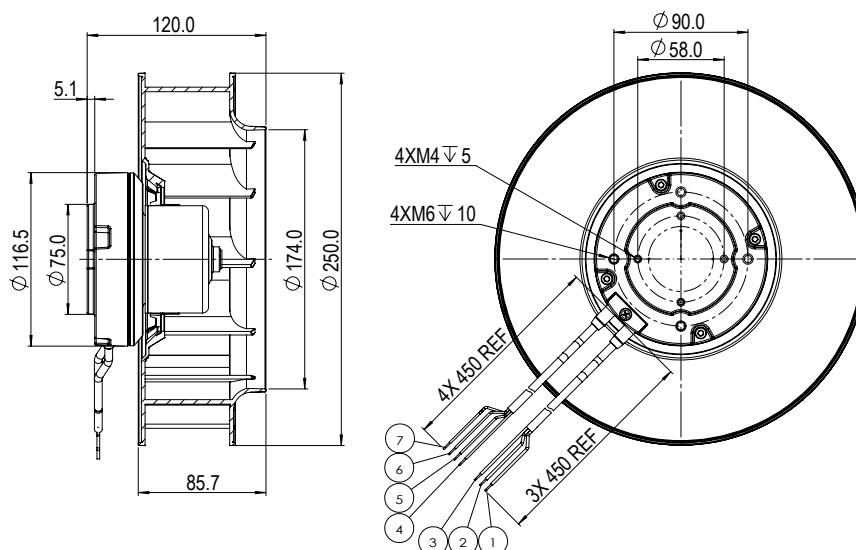


	n (rpm)	P1 (W)	I (A)	η (%)	P (Pa)	P (InH ₂ O)	Q (CMH)	Q (CFM)
①	2650	167	2.36	—	0	0	1593	938
②	2370	167	2.36	30.7	153	0.61	1215	716
③	2300	167	2.37	41.0	306	1.23	808	476
④	2490	167	2.37	33.2	441	1.77	454	267
⑤	1860	84	1.27	—	0	0	1265	745
⑥	1860	126	1.84	37.1	174	0.70	978	576
⑦	1860	129	1.87	41.7	275	1.10	707	416
⑧	1860	104	1.55	34.7	314	1.26	413	243
⑨	1500	51	0.82	—	0	0	1060	624
⑩	1500	75	1.14	37.6	122	0.49	832	490
⑪	1500	77	1.18	41.7	196	0.79	595	350
⑫	1500	63	0.98	34.8	224	0.90	353	208
⑬	1120	27	0.46	—	0	0	834	491
⑭	1120	35	0.57	29.4	52	0.21	724	427
⑮	1120	41	0.66	39.7	105	0.42	560	330
⑯	1120	32	0.54	31.8	142	0.57	263	155

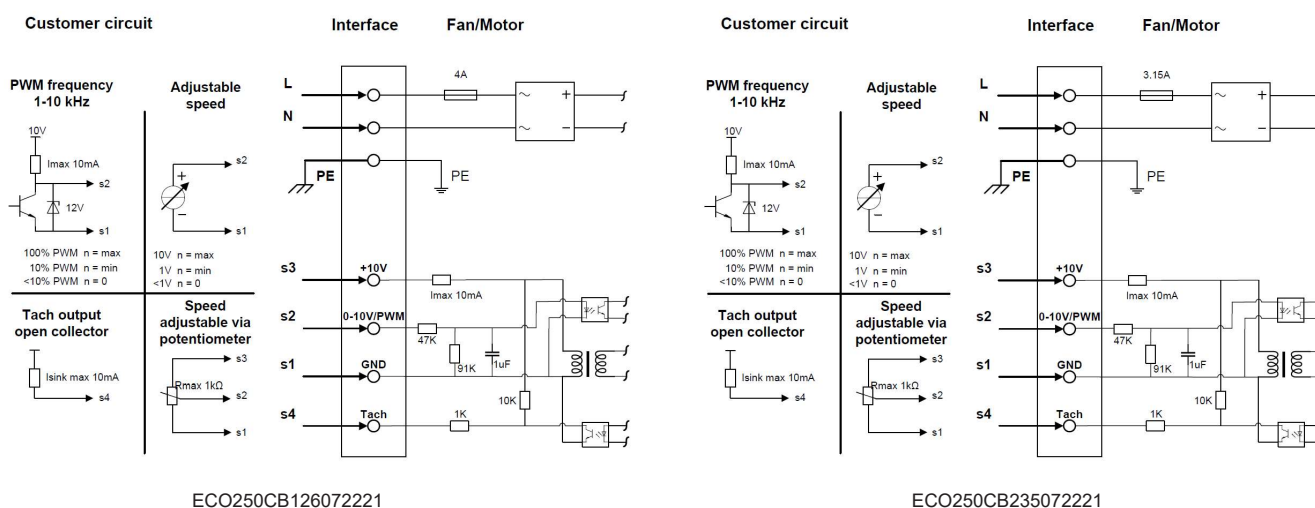


	n (rpm)	P1 (W)	I (A)	η (%)	P (Pa)	P (InH ₂ O)	Q (CMH)	Q (CFM)
①	2650	169	1.32	—	0	0	1613	950
②	2370	170	1.32	33.4	169	0.68	1215	716
③	2300	169	1.32	43.4	328	1.32	807	475
④	2490	169	1.32	34.4	458	1.84	459	270
⑤	1860	62	0.52	—	0	0	1127	664
⑥	1860	88	0.71	38.0	137	0.55	882	519
⑦	1860	88	0.72	42.0	212	0.85	631	371
⑧	1860	73	0.61	33.4	251	1.01	353	208
⑨	1500	35	0.31	—	0	0	902	531
⑩	1500	49	0.41	36.0	92	0.37	690	406
⑪	1500	48	0.41	39.0	134	0.54	507	298
⑫	1500	42	0.36	31.0	161	0.65	288	170
⑬	1120	19	0.17	—	0	0	673	397
⑭	1120	22	0.20	21.7	29	0.12	593	349
⑮	1120	25	0.22	34.7	68	0.27	453	267
⑯	1120	22	0.20	26.9	93	0.37	225	133

DRAWING



DIAGRAM



ECO250CB126072221

ECO250CB235072221

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
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