

225mm Plastic Backward Centrifugal Fan

Characteristics:

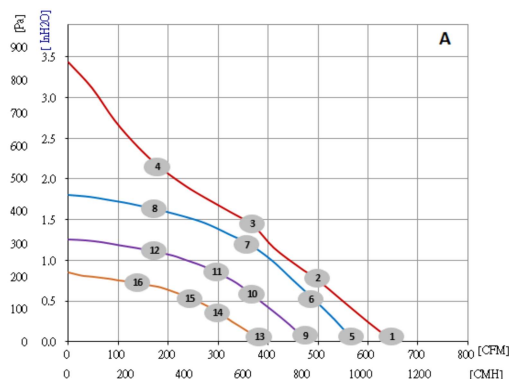
- Material: Impeller: Plastic
Rotor: Zinc Plating Steel
Electronics housing: Die-cast aluminium
- Number of blades: 7
- Direction of rotation: Clockwise viewed toward rotor
- Insulation class: "B"
- Installation position: Any
- Degree of protection: IP54
- Condensation drainage holes: None
- Mode: Continuous operation (S1)
- Mounting: Maintenance-free ball bearings
- Technical features: Controller input PWM or PWM/0-10V
- Cable exit: Variable
- Protection class: I (with customer connection of protective earth)
- Conformity with standards: EN 60335-1 / UL1004-3
- Weight: 1.5KG



Performance:

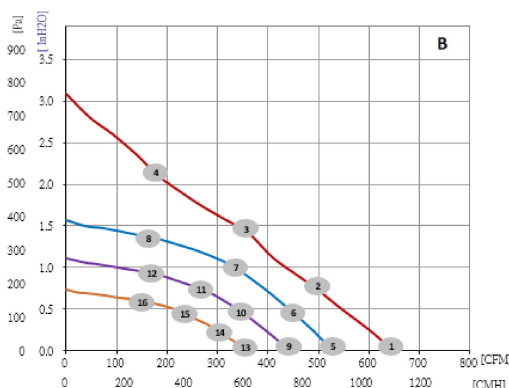
Nominal data	Platform	Curve	Nominal voltage range	Frequency	Speed*	Max input power*	Max input current*	Operating ambient temp	Life time	PWM	PWM/0-10V			
Type	Motor		VAC	Hz	rpm	W	A	°C	Hr					
ECO225CB235072110	OD72	A	230	50 / 60	2670	130	1.04	-20 to +60	40,000	●				
ECO225CB235072210										●				
ECO225CB126072110		B	120		2630		1.77			●				
ECO225CB126072210											●			

230V
50Hz



	n (rpm)	P1 (W)	I (A)	η (%)	P (Pa)	P (inH ₂ O)	Q (CMH)	Q (CFM)
①	2665	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	2640	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

120V
60Hz



	n (rpm)	P1 (W)	I (A)	η (%)	P (Pa)	P (inH ₂ O)	Q (CMH)	Q (CFM)
①	2850	130	1.77	—	0	0	1099	647
②	2620	130	1.77	33.4	186	0.75	839	494
③	2630	130	1.77	46	353	1.42	613	361
④	2800	130	1.77	34.4	524	2.10	308	182
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	280	153

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Drawing:

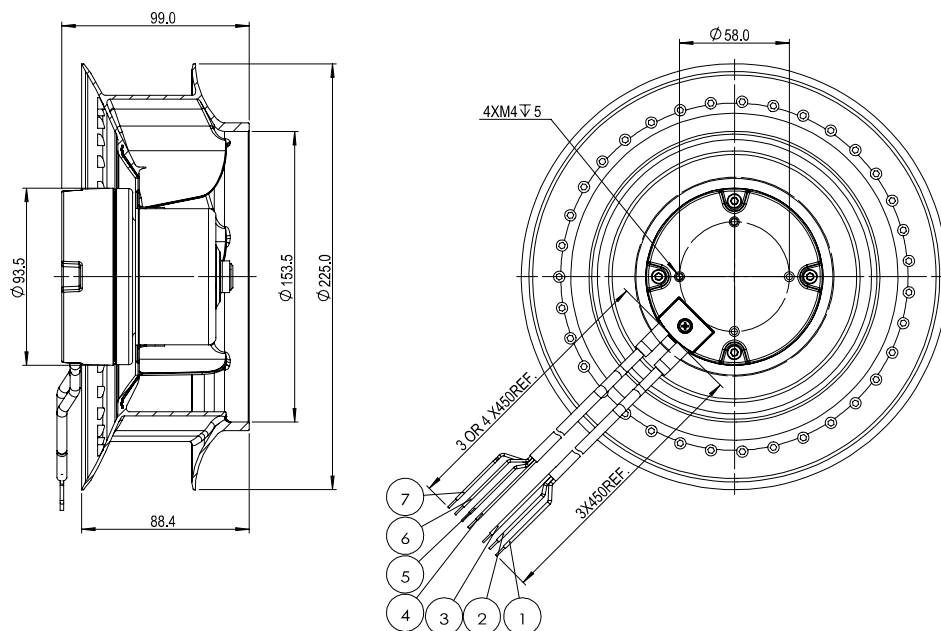
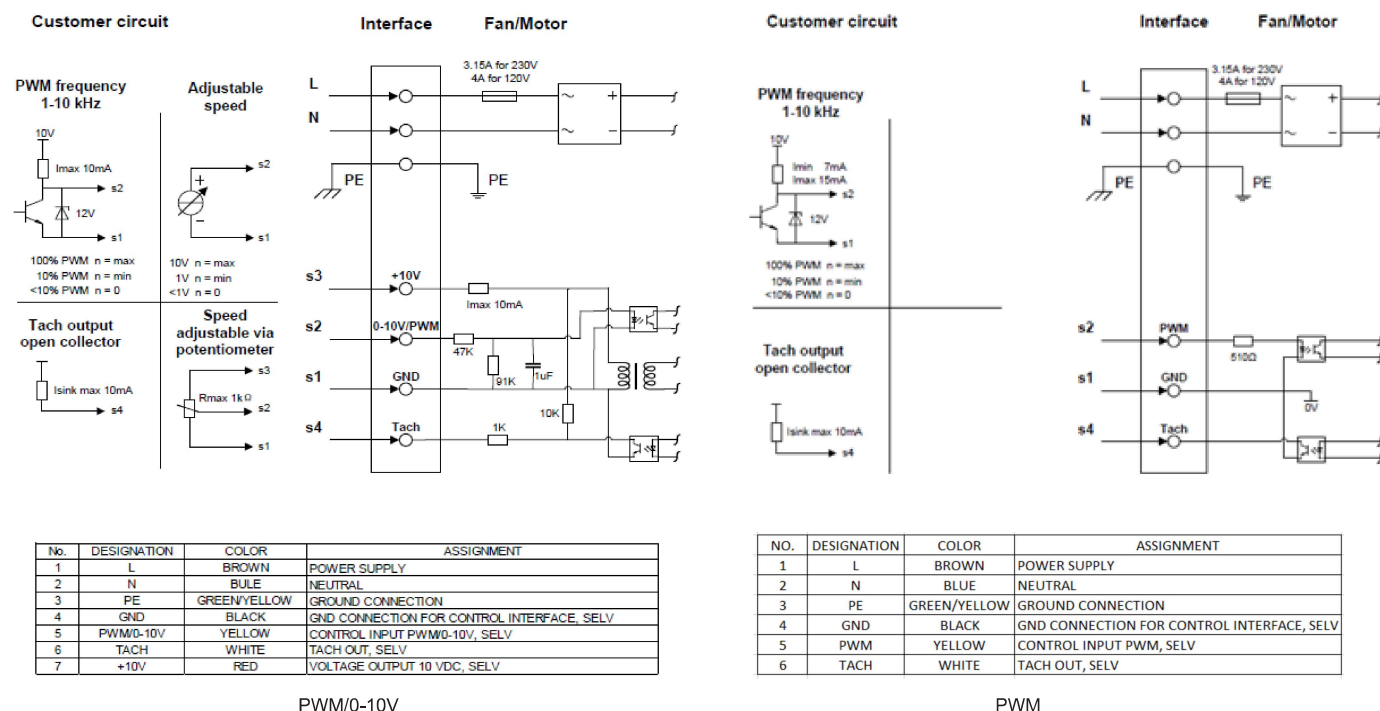


Diagram:



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Characteristics:

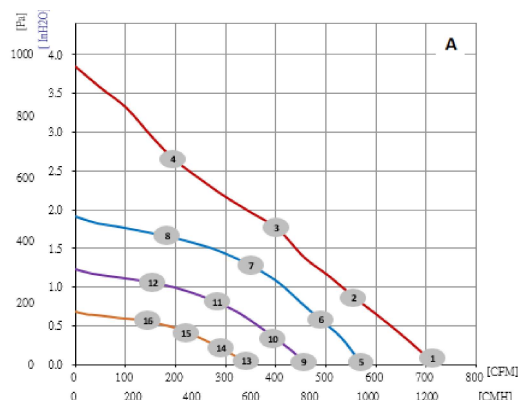
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Performance:

Nominal data	Platform	Curve	Nominal voltage range	Frequency	Speed*	Max input power*	Max input current*	Operating ambient temp	Life time	PWM	PWM/0-10V
Type	Motor		VAC	Hz	rpm	W	A	°C	Hr		
ECO225CB235072220	OD72	A	230	50 / 60	2920	170	1.33	-20 to +60	40,000		●
ECO225CB126072220		B	120		2910		2.34				

230V
50Hz



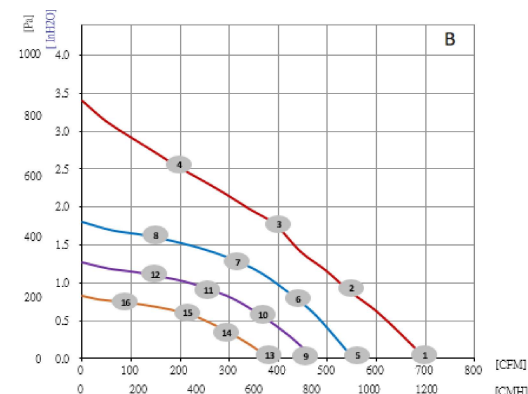
n (rpm)	P1 (W)	I (A)	η (%)	P (Pa)	P (inH ₂ O)	Q (CMH)	Q (CFM)
① 3150	176	1.33	—	0	0	1220	715
② 2930	176	1.33	32.2	214	0.86	951	560
③ 2920	176	1.33	47.1	436	1.75	689	406
④ 3120	176	1.33	35.2	658	2.64	340	200

⑤ 2510	91	0.74	—	0	0	974	574
⑥ 2510	109	0.86	30.1	141	0.57	836	492
⑦ 2510	113	0.89	46.6	308	1.24	616	363
⑧ 2510	99	0.79	37.1	410	1.65	323	190

⑨ 2010	49	0.42	—	0	0	787	464
⑩ 2010	59	0.49	27.4	87	0.35	674	397
⑪ 2010	61	0.51	43.7	195	0.78	492	290
⑫ 2010	56	0.47	36.1	259	1.04	281	166

⑬ 1510	26	0.24	—	0	0	588	346
⑭ 1510	30	0.27	22.1	47	0.19	504	297
⑮ 1510	30	0.27	36.9	110	0.44	365	215
⑯ 1510	29	0.27	33.1	139	0.56	250	147

120V
60Hz



n (rpm)	P1 (W)	I (A)	η (%)	P (Pa)	P (inH ₂ O)	Q (CMH)	Q (CFM)
① 3070	170	2.22	0.2	0	0	1188	700
② 2910	180	2.35	31.8	223	0.89	925	545
③ 2910	180	2.34	45.3	441	1.77	668	393
④ 3060	173	2.24	33.2	631	2.53	329	194

⑤ 2430	83	1.17	—	0	0	942	555
⑥ 2430	110	1.5	37.7	205	0.82	732	431
⑦ 2430	104	1.42	45.1	329	1.32	515	303
⑧ 2430	78	1.1	29.3	406	1.63	204	120

⑨ 2040	51	0.75	—	0	0	803	473
⑩ 2040	85	0.93	36.8	139	0.56	622	366
⑪ 2040	62	0.89	44	227	0.91	435	256
⑫ 2040	55	0.80	35.9	270	1.08	265	156

⑬ 1660	29	0.45	—	0	0	648	382
⑭ 1660	37	0.55	33.9	90	0.36	499	294
⑮ 1660	35	0.53	42.1	147	0.59	366	215
⑯ 1660	27	0.43	27.7	185	0.74	148	87

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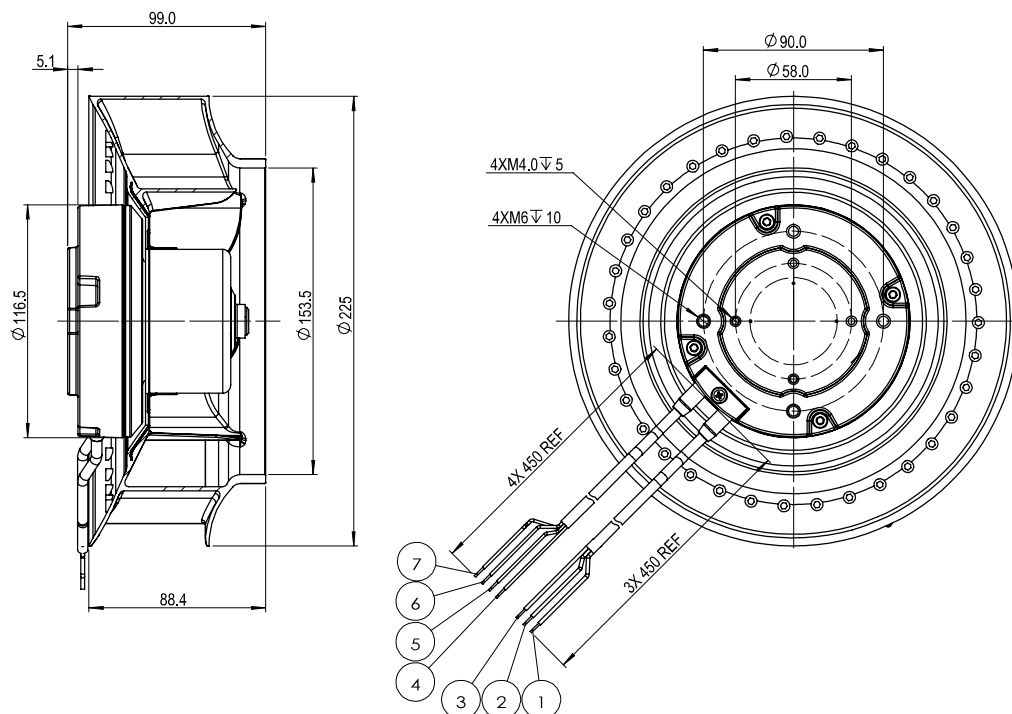
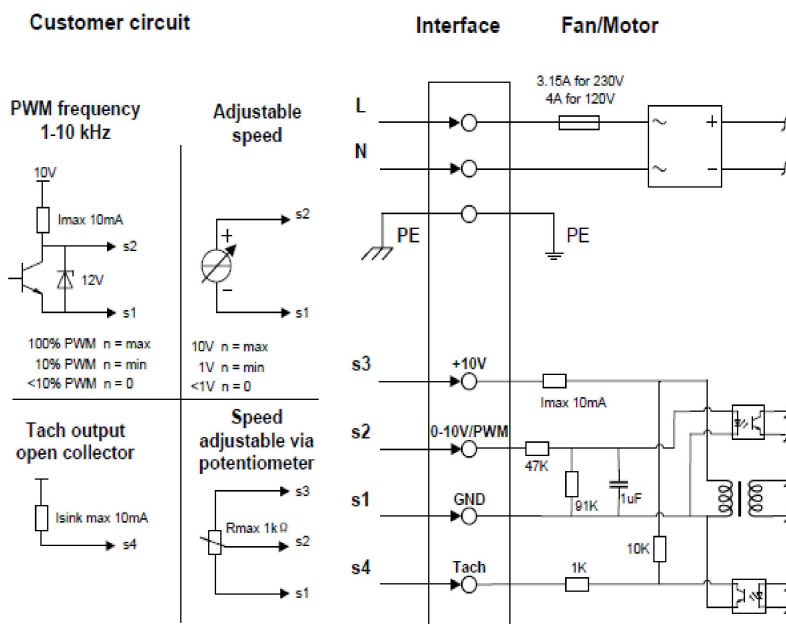


Diagram:



No.	DESIGNATION	COLOR	ASSIGNMENT
1	L	BROWN	POWER SUPPLY
2	N	BULE	NEUTRAL
3	PE	GREEN/YELLOW	GROUND CONNECTION
4	GND	BLACK	GND CONNECTION FOR CONTROL INTERFACE, SELV
5	PWM/0-10V	YELLOW	CONTROL INPUT PWM/0-10V, SELV
6	TACH	WHITE	TACH OUT, SELV
7	+10V	RED	VOLTAGE OUTPUT 10 VDC, SELV