

175mm Plastic Backward Centrifugal Fan

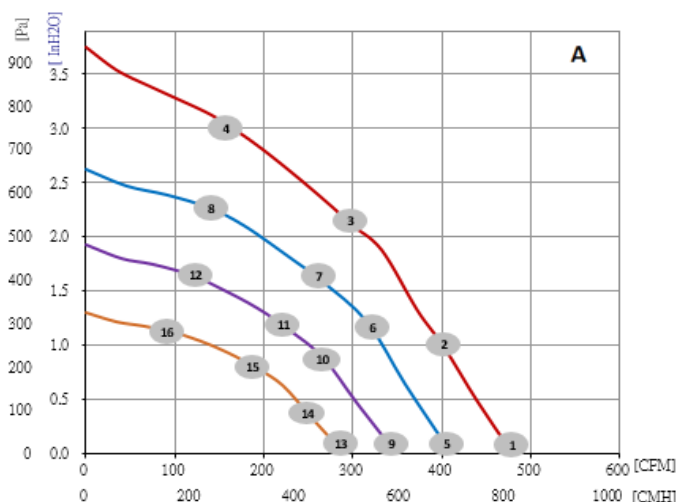
Specification:

- 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
- Weight: 1.4KG



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		
ECO175CB235072220	OD72	A	230	50 / 60	4870	170	1.29	-20 to +60	40,000		●



	n (rpm)	P1 (W)	I (A)	η (%)	P (Pa)	P (inH ₂ O)	Q (CMH)	Q (CFM)
①	4930	157	1.21	—	0	0	814	479
②	4840	172	1.30	27.8	245	0.99	685	403
③	4870	170	1.29	43.7	524	2.10	509	300
④	4900	165	1.26	35.5	744	2.99	284	167
⑤	4250	102	0.82	—	0	0	696	410
⑥	4250	127	0.99	35.4	304	1.22	536	315
⑦	4250	117	0.92	42.4	397	1.60	450	265
⑧	4250	110	0.87	33.4	567	2.28	234	138
⑨	3630	68	0.56	—	0	0	590	347
⑩	3630	82	0.66	33.3	219	0.88	452	266
⑪	3630	77	0.62	39.5	283	1.14	387	228
⑫	3630	73	0.6	31.2	410	1.65	200	118
⑬	3020	44	0.38	—	0	0	491	289
⑭	3020	53	0.45	21.2	88	0.35	427	252
⑮	3020	49	0.42	36.2	196	0.79	327	193
⑯	3020	46	0.4	27.7	280	1.12	164	97

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Drawing:

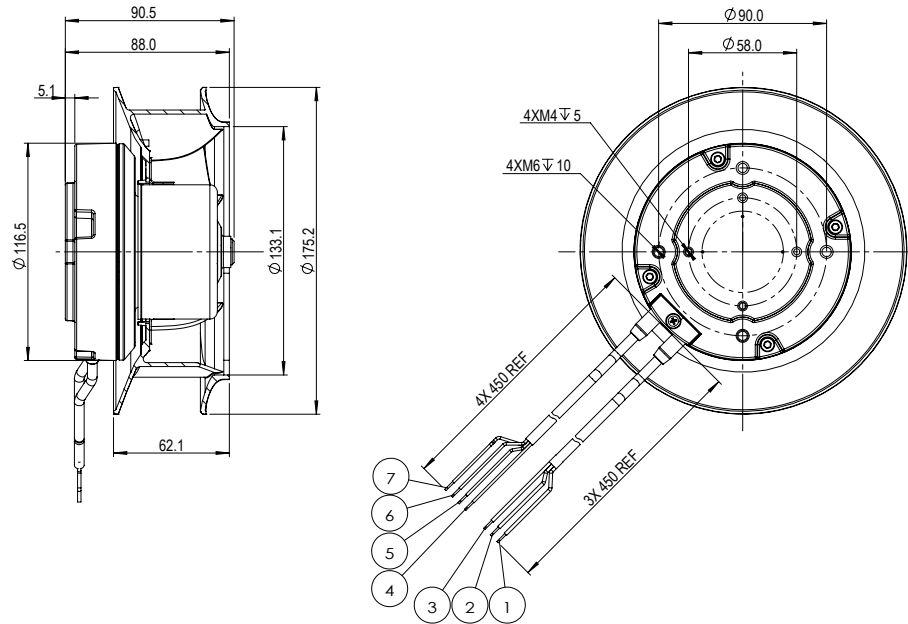
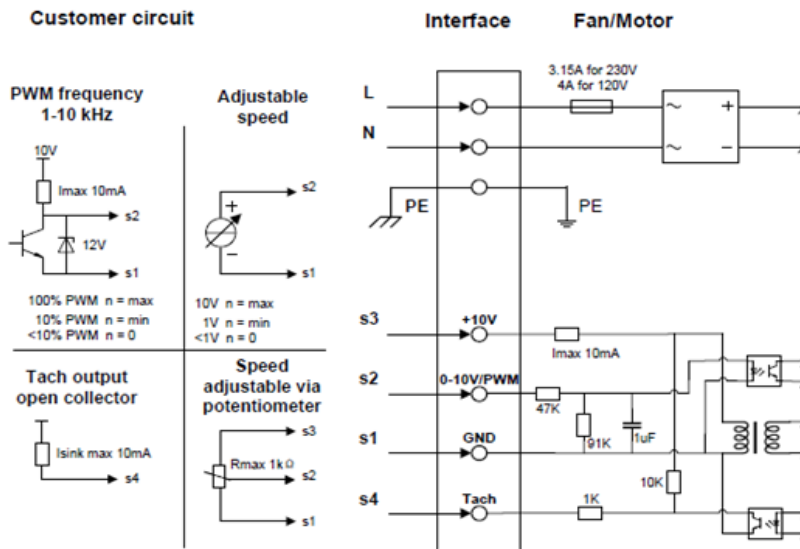


Diagram:



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, SELV
7	+10V	RED	VOLTAGE OUTPUT 10 VDC, SELV