

IP68 & PWM AIR MOVERS



NMB Technologies expands our selection of fans with IP68 protection and PWM speed control. IP68 provides the industry's highest protection against dust and water ingress in harsh environments and other challenging conditions. Fan sizes range from 40 to 172 mm. Available in 12V and 24V for select models. Operating temperature range reaches 85 degrees Celsius for select models. Fans are outfitted with PWM speed control, tach for speed monitoring, and stainless steel ball bearings for long life and high reliability.

Features

- ◆ Long life and high reliability with NMB precision machined dual stainless steel ball bearings
- ◆ IP68/IP69K rating per IEC 60529/ISO20653 standard
- ◆ PWM and Tach Output
- ◆ Efficient motor technology and aerodynamic impeller design
- ◆ GR-487 salt fog compliance on select models *
- ◆ Sulfur gas and ammonia corrosion resistant



Applications

- EV/Battery Charging
- Power Storage
- 5G Telecommunication
- PV Inverters
- Outdoor applications
- Heat Exchangers



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Typical Expected L10 Life

100,000 hours at 25 Celsius *

*Reference Data available upon request

Material

Casing: Plastic (UL 94V-0) or Aluminum on select models

Impeller: Plastic (UL 94V-0)

Bearing: Dual Stainless Steel Ball Bearings

Lead Wire: UL rated AWG22-AWG26

Specifications

Model	Rating Voltage	Operating Voltage	Current	Input Power	Speed	Max Air Flow		Max Static Pressure		Noise
	(V)	(V)	(A)	(W)	(min-1)	(m ³ /min)	(CFM)	(Pa)	(In H ₂ O)	(dB)
04020VE-12Q-CU-01	12	10.8 ~ 13.2	0.21	2.52	11,000	0.35	12.4	142	0.57	42
04020VE-24Q-CU-01	24	21.6 ~ 26.4	0.11	2.64	11,000	0.35	12.4	142	0.57	42
05020VE-12R-CU-03	12	10.8 ~ 13.2	0.32	3.84	8,800	0.69	24.4	110	0.44	41.5
05020VE-24R-CU-01	24	21.6 ~ 26.4	0.15	3.60	8,800	0.69	24.4	110	0.44	41.5
06038RE-12S-GU-03	12	7.0 ~ 13.8	1.30	15.60	11,000	1.67	59.0	380	1.53	58
06038RE-24S-GU-03	24	15.0 ~ 26.4	0.65	15.60	11,000	1.67	59.0	380	1.53	58
08038RE-12R-GU-03*	12	7.0 ~ 13.2	1.75	21.00	7,500	3.00	105.9	355	1.43	59.5
08038RE-24R-GU-05	24	14 ~ 26.4	0.87	20.88	7,500	3.00	105.9	355	1.43	59.5
09225VE-12Q-CU-04	12	7.0 ~ 13.8	0.72	8.64	5,600	2.73	96.4	150	0.60	51
09225VE-24Q-CU-02	24	14.0 ~ 27.6	0.38	9.12	5,600	2.73	96.4	150	0.60	51
09238RE-12Q-GUD-1*	12	7.0 ~ 13.2	2.41	28.92	7,200	4.32	152.6	300	1.20	62.5
09238RE-24Q-GUD-2*	24	14.0 ~ 26.4	1.13	27.12	7,200	4.32	152.6	300	1.20	62.5
15050VE24S-G6D-2	24	16.0 ~ 27.6	4.00	96.00	6,300	12.80	452.0	806	3.24	73.5

***UL Approval Coming Soon**