

# IP68/IP69K COOLING FANS



## Ball Bearing DC Brushless Fans

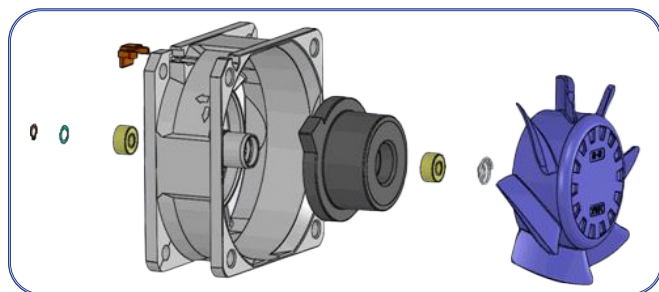
**NMB Technologies provides the industry's highest Ingress Protection (IP) rated cooling fans – IP68/IP69K provides dust tight and protection against powerful, high temperature water jets for outdoor applications and other harsh environments.** These 40mm to 172mm IP68/IP69K rated fans are available in 12V, 24V, or 48V with tach output for speed monitoring. Fans are outfitted with NMB precision machined ball bearings with stainless steel outer ring and stainless steel ball or ceramic ball bearing for long life and high reliability.

### Product Features

- IP68/IP69K rating per IEC 60529/ISO20653 standard
- Long life and high reliability with NMB precision machined ball bearings
- Tach / Fan speed output

### Expected Lifetime

- 40,000 hrs @ 60 °C to 100,000 hrs @ 25°C\*



### Applications

NMB IP68/IP69K rated fans are ideal for environments where resistance to water, chemicals, high pressures and high temperature are required, such as:

- Factory Automation
- Welding Power Supplies
- Food Processing
- Refrigeration
- LED Lighting
- Inverters
- Telecomm
- Horticulture
- EV Charging



**Contact us for immediate design assistance.**

**NMB Technologies Corporation** • MinebeaMitsumi Group  
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## New Products

SERIES	SIZE (mm)		Rated Voltage	RPM	Air Flow (m <sup>3</sup> /M)	Air Flow (CFM)	Pressure (Pa)	Pressure (In. H <sub>2</sub> O)
	New Part No.	L x H						
04020VE12QCT00	40x40	20	12	11,000	0.35	12.36	142	0.57
04020VE24QCT00	40x40	20	24	11,000	0.35	12.36	142	0.57
04028VE12NCT00	40x40	28	12	13,000	0.41	14.48	210	0.84
04028VE24NCT00	40x40	28	24	13,000	0.41	14.48	210	0.84
06015VE12PCT00	60x60	15	12	5,600	0.55	19.42	67.7	0.27
06015VE24PCT00	60x60	15	24	5,600	0.55	19.42	67.7	0.27
06020VE24QCTS0	60x60	20	24	6,900	0.7	24.72	100	0.40
06025VE12QCT00	60x60	25	12	9,200	1.11	39.20	244	0.98
06025VE24QCT00	60x60	25	24	9,200	1.11	39.20	244	0.98
06025VG12QZTA0	60x60	25	12	9,200	1.09	38.49	235	0.94
06025VG24QZTA0	60x60	25	24	9,200	1.09	38.49	235	0.94
06038RE12SGT00	60x60	38	12	11,000	1.67	58.98	380	1.53
06038RE24SGT00	60x60	38	24	11,000	1.67	58.98	380	1.53
08025VE12PGTD0	80x80	25	12	7,000	2.07	73.10	189.6	0.76
08025VE24PGTD0	80x80	25	24	7,000	2.07	73.10	189.6	0.76
08038RE12RGT00	80x80	38	12	7,500	3	105.94	355	1.43
08038RE24RGT00	80x80	38	24	7,500	3	105.94	355	1.43
09225VE12QCT00	92x92	25	12	5,600	2.73	96.41	150	0.60
09225VE24QCT00	92x92	25	24	5,600	2.73	96.41	150	0.60
09232VE24RCTS0	92x92	32	24	7,000	3	105.94	275	1.11
09238RE24PGTD0	92x92	38	24	6,700	4	141.26	260	1.04
12038VE12QGT00	120x120	38	12	5,700	6.11	215.77	287	1.15
12038VE24RGTE0	120x120	38	24	6,400	6.9	243.67	370	1.49
15050VE24RGT00	150x172	50	24	4,600	9.8	346.08	312	1.25
15050VE48RGT00	150x172	50	48	4,600	9.8	346.08	312	1.25
17250VE24RGT00	172x172	50	24	4,600	9.8	346.08	312	1.25
17250VE48RGT00	172x172	50	48	4,600	9.8	346.08	312	1.25

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