NMB

COOLING FANS

IP68 & PWM, Cambodia Fans, Server & Data Center Fans, Thailand F&R Series, Refrigeration Fans, DC Blowers, AC Fans, and New Products

MinebeaMitsumi
Passion to Create Value through Difference

DC, AC, and Blower Fans Made in Southeast Asia

NMB offers a diverse lineup of AC and DC fans produced in our Southeast Asia facilities. Our sleeve bearing fans—manufactured in Cambodia—are available in sizes ranging from 25 mm to 92 mm and offer higher speeds and better PQ performance than traditional sleeve fans. These fans are designed for continuous use (30K to 40K life hours), include tach output as a standard feature, and are ideal for low-heat, cost-sensitive applications. We also offer DC blower fans with centrifugal airflow from 40 mm to 120 mm.
Our F&R Series fans, made in Thailand, include large DC axial and radial fans. Axial models range from 150 mm to 200 mm with airflow up to 783 CFM, while radial impellers range from 175 mm to 280 mm and reach up to 1,333 CFM. For AC applications, we provide UV/Wet location fans and IP54-rated models built to perform in harsh environments.

Thailand F&R Series *IP Protected

PART NUMBER	SIZE		Air Flow CFM	AIRFLOW (In CFM)																	
	Frame (mm)	L (mm)		150	200	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
R150H1-051-D0560	150	51	473.0						■												
R150G2-051-D0560*	150	51	447.0					■													
R172H3-051-D0760	172	51	473.0						■												
R172G2-051-D0560*	172	51	447.0					■													
R200C4-051-D0550	200	51	590.0								■										
F175H3-061-D0540	175	61	541.0							■											
F175G3-061-D0540*	175	61	476.0						■												
F225A4-092-D0530	225	92	756.0												■						
F225H1-092-D0720	225	92	689.0										■								
F225G1-092-D0720*	225	92	689.0										■								
F250A5-072-D0520	250	72	806.0													■					
F280A3-113-D0520	280	113	1,173																		■

Cambodia Fans *available in ball or sleeve bearing

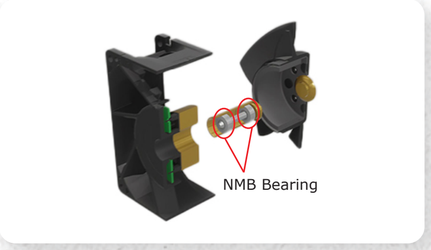
SERIES	SIZE		Air Flow CFM	AIRFLOW (In CFM)																	
	Frame (mm)	L (mm)		1	2	3	4	5	6	7	8	10	15	20	25	30	35	40	60	65	115
02510SS	25	10	2.7		■																
03010SS	30	10	4.2				■														
03510SS	35	10	5.7					■													
03515SS	35	15	5.7					■													
04010SA/SS*	40	10	6.7						■												
04015SS	40	15	7.4							■											
05015SS	50	15	14.8									■									
06015SS	60	15	22.6											■							
06025SA/SS*	60	25	37.8														■				
08015SS	80	15	33.9													■					
08020SA/SS*	80	20	42.4															■			
08025SA/SS*	80	25	60.0																■		
09225SA/SS*	92	25	65.0																	■	
11925SA	119	25	113.0																		■
05115GS	51	15	4.6				■														
05125GS	51	25	7.1							■											
06023GS	60	23	9.9								■										
07530GS	75	30	13.7									■									
08028GS	80	28	16.9										■								
09533GS	95	33	30.7													■					

SA/SS denotes Axial; GS denotes Blower

New Technologies

APPLICATION	PART NUMBER	SIZE		Air Flow CFM
		Frame (mm)	L (mm)	
Server/Telecom	08038DT-12U-E6E-Y	80	38	145
	08038DT-48U-E6E-Y	80	38	145

Dual Fusion Bearing Technology



With over 100 million cooling fans manufactured every year, NMB's focus is on total thermal management solutions.

For immediate design assistance, please contact:

MinebeaMitsumi
Passion to Create Value through Difference

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NMB offers a comprehensive line of more than 150 axial fans, blowers and impellers ranging in size from 25mm to 280mm

NMB offers a range of high-performance cooling fans designed for demanding applications. Our new IP68-rated fans with PWM speed control are built for extreme environments, featuring fully encapsulated motors with epoxy potting to protect against total dust ingress and high-pressure steam-jet cleaning. The integrated PWM functionality enables precise speed control, extending fan life, reducing noise, and improving energy efficiency. These ruggedized fans are ideal for factory automation, energy storage, inverters, telecom, industrial systems, and any outdoor application requiring environmental protection.

We also provide some of the most powerful server fans available on the market today. Our 04028DA R-type fan reaches speeds up to 40,000 RPM, with other models available in sizes from 40 x 28 mm to 80 x 80 mm. Several models include counter-rotating impellers to deliver enhanced airflow performance, making them ideal for data centers, servers, and networking equipment.

Features

- IP68 Protection
- UV/Wet Location
- Refrigeration Fans
- Axial and Centrifugal Air Flow
- PWM Speed Control
- Tach Speed Monitoring
- Locked Rotor Output
- Dual NMB Ball Bearings and Sleeve Bearing
- Low Noise
- Auto-restart
- Reverse Polarity Protection
- Made in Cambodia and Made in Thailand Fans

Applications

- Servers
- Cabinet Cooling
- Telecom
- Refrigeration and Home Appliances
- Medical Equipment
- Power Supply
- Inverters
- Industrial Applications
- Lighting and Camera Equipment
- Robotics and Automation
- Lasers
- EV and Drone Charging
- Energy Storage

IP68 & PWM

PART NUMBER	SIZE		Air Flow CFM	AIRFLOW (In CFM)																	
	Frame (mm)	L (mm)		5	18	35	53	71	88	106	124	141	159	177	194	212	229	247	265	282	300
04020VE-12Q-CU-01	40	20	12.4		■																
04020VE-24Q-CU-01	40	20	12.4		■																
04028DE-12P-ZUK-2	40	28	24.0		■																
04028DE-24P-ZUK-1	40	28	24.0		■																
05020VE-12R-CU-03	50	20	24.4		■																
05020VE-24R-CU-01	50	20	24.4		■																
06025DE-12R-CU-06	60	25	45.6			■															
06025DE-24R-CU-02	60	25	45.6			■															
06038RE-12S-GU-03	60	38	59.0				■														
06038RE-12S-GU-03	60	38	59.0				■														
08025VE-12P-CUD-6	80	25	73.1					■													
08025VE-24P-CUD-2	80	25	73.1					■													
08038RE-12R-GU-03	80	38	105.9							■											
08038RE-24R-GU-05	80	38	105.9							■											
09225VE-12Q-CU-04	92	25	96.4						■												
09225VE-24Q-CU-02	92	25	96.4						■												
09238RE-12Q-GUD-1	92	38	152.6									■									
09238RE-24Q-GUD-2	92	38	152.6									■									
09238RG-24P-GUD-1	92	38	141.0									■									
12038ME-48R-GK-01	120	38	185.0											■							
12038VE-12R-GUE-4	120	38	244.0														■				
12038VE-24R-GUE-2	120	38	244.0				■	■									■				
12038VE-48R-GU-01	120	38	244.0														■				
15050VE24S-G6D-2	150	50	346.1																		■
15050VE-48R-GU-03	150	50	346.1																		■
17250VE-48R-GU-01	172	50	346.0																		■

Server and Data Center Fans

PART NUMBER	SIZE		Air Flow CFM	AIRFLOW (In CFM)																	
	Frame (mm)	L (mm)		10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
04028DA-12S-AUF-AA	40	28	24.7		■																
04028DA-12T-A6N-E	40	28	34.6			■															
04028DA-12V-A6K-G	40	28	39.9			■															
04056EA-12S-E6F-A	40	56	35.3			■															
06038DA-12S-EWF-D	60	38	73.1						■												
06056EA-12S-E6D-L	60	56	72.0						■												
06076EA-12S-E6-0C	60	76	85.7								■										
08080EA-12S-E6D-2	80	80	141.1														■				
08080EA-12S-EUE-C	80	80	171.0																	■	
04028DA-12T-A6R-9	40	28	45.2				■														
04056EA-12V-E6J-8	40	56	46.0				■														

Refrigeration Fans

PART NUMBER	SIZE		Air Flow CFM	AIRFLOW (In CFM)																	
	Frame (mm)	L (mm)		10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
09232JS-12N-BA-F0	92	32	51.2					■													
12038GE-12N-YA-D0	120	38	45.2				■														
12532GE-12M-YU-F0	125	32	44.1				■														
12532GS-12M-YU-F0	125	32	44.1				■														
12537JE-12P-BA-F0	125	37	76.8							■											
15039GE-12M-YU-F0	150	39	69.2						■												
17235JS-12L-YU-00	172	35	120.1												■						
17240JA-12M-YA-00	172	40	128.2												■						

JA/JS denotes Axial; GE/GS denotes Blower

DC Blowers

PART NUMBER	SIZE		Air Flow CFM	AIRFLOW (In CFM)																	
	Frame (mm)	L (mm)		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
04520GA-12N-AA-00	45	20	5.6			■															
05020GA-12M-AA-00	50	20	5.6			■															
06023GA-12N-AA-00	60	23	8.4				■														
07525GA-12N-AA-00	75	25	9.5				■														
07530GA-12N-AA-00	75	30	13.1						■												
09533GA-12T-ATD-0	95	33	56.5																		■

AC Axial Fans

PART NUMBER	SIZE		Air Flow CFM	AIRFLOW (In CFM)																	
	Frame (mm)	L (mm)		10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
06030PB-A1L-AA-00	60	30	7.1	■																	
08025MB-A1L-AA-00	80	25	20.4		■																
08038PB-A1L-EA-00	80	38	26.8		■																
08038FB-A1L-EA-00	80	38	32.0			■															
09225PB-A1L-EA-00	92	25	35.0			■															
09238SB-A1L-EA-00	92	38	37.1			■															
11925PB-A1L-EA-00	119	25	64.3						■												
11938MB-A1N-EA-00	119	38	89.3								■										
11938FB-A1N-EA-00	119	38	110.0											■							
11938SB-A1N-QA-U0	119	38	92.9									■									
15038PB-A1L-EP-00	150	38	176.5																	■	