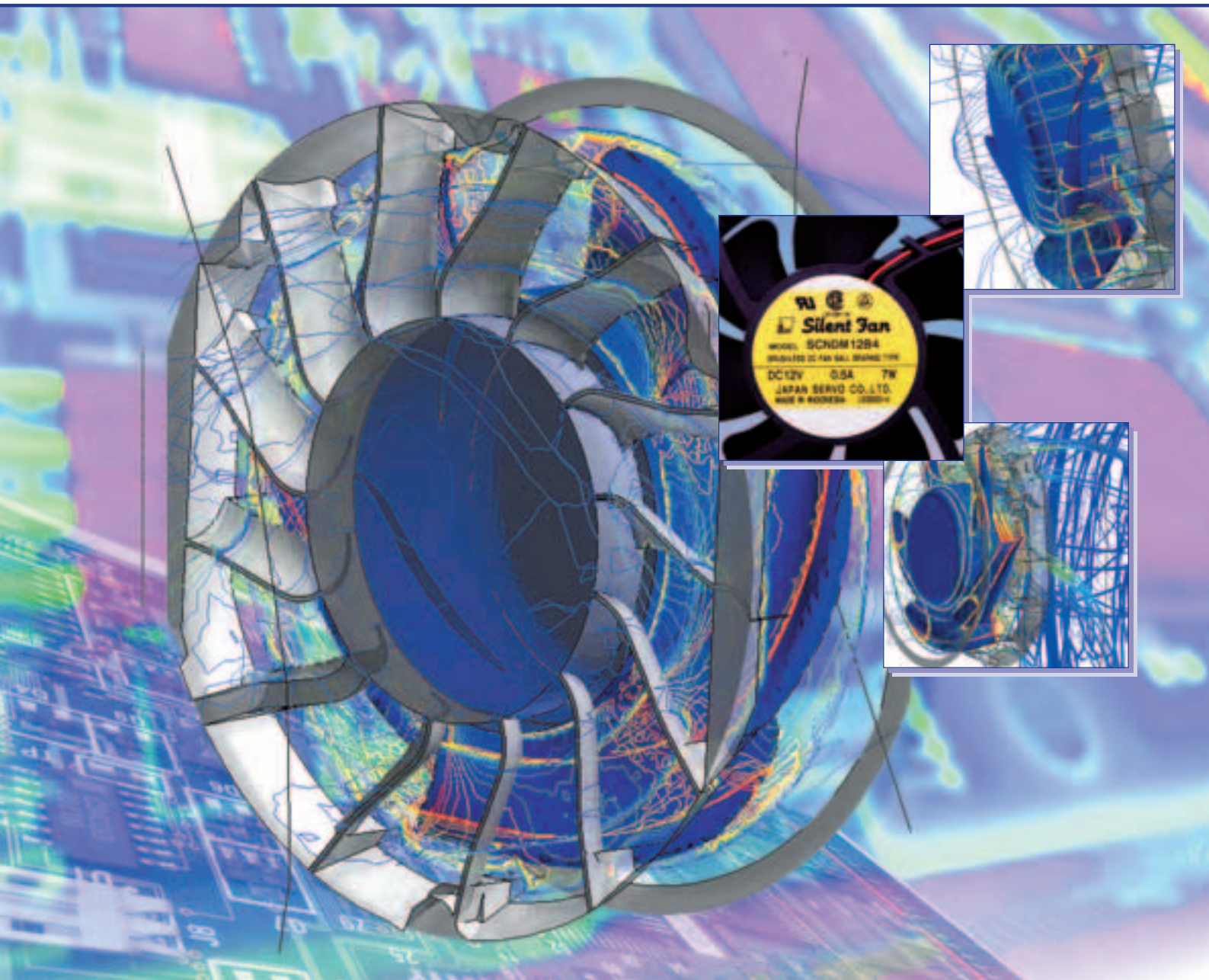


DC axial fans

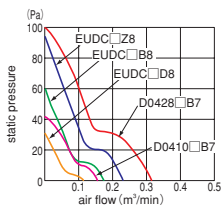
Specification data

The best cooling solution will be found by best choice of air moving devices



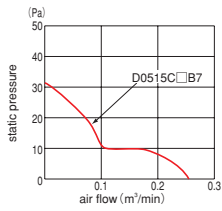
Industrial standard BOX style fans

Size 40 (1.6")



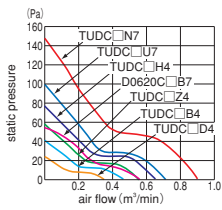
Th'k mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code	temperature usage range	
	m³/min	cfm	Pa	inH₂O				Rating	usage range	Rating	Start			
10	0.15	5	41	0.17	25	6200	0.8	5	4.5 ~ 5.5	160		D0410C05B7AZ-00	-10 ~ +60	
								12	7 ~ 13.8	70		D0410C12B7AZ-00		
13	0.23	8	79	0.32	37	9000	1.5	12	7.2 ~ 13.8	130	270	EUDC12Z8	-20 ~ +70	
								12	7.2 ~ 13.8	75	190	EUDC12B8		
								1.1	24	14.4 ~ 27.6	50	100		EUDC24B8
28	0.12	4	30	0.12	26	5200	0.5	12	8.4 ~ 13.8	40	90	EUDC12D8	-20 ~ +80	
								2.3	12	7 ~ 15.5	195			D0428C05B7AZ-00
								2.3	24	12 ~ 27.6	95		D0428C12B7AZ-00	-10 ~ +60
													D0428C24B7AZ-00	

Size 52 (2")



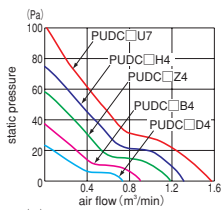
Th'k mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code	temperature usage range
	m³/min	cfm	Pa	inH₂O				Rating	usage range	Rating	Start		
15	0.26	9	32	0.13	27	4600	1.2	12	7 ~ 13.8	100		D0515C12B7AZ-00	-10 ~ +60
								24	14 ~ 27.6	50		D0515C24B7AZ-00	

Size 60 (2.4")



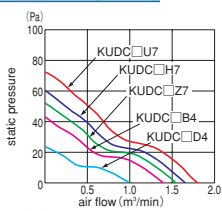
Th'k mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code*		temperature usage range	
	m³/min	cfm	Pa	inH₂O				Rating	usage range	Rating	Start	none ribbed	ribbed		
20	0.42	15	32	0.13	31	4200	1.6	12	10.2 ~ 13.8	130			D0620C12B7AZ-00	-10 ~ +60	
								24	20.4 ~ 27.6	70		D0620C24B7AZ-00			
	0.55	19	53	0.21	41	5600	3.4	48	43 ~ 53	70			D0620C48B7AZ-00		
25	0.87	31	130	0.52	46	6800	4.2	12	7.2 ~ 13.8	350	1430	TUDC12N7F	TUDC12N7	-20 ~ +60	
								24	12 ~ 27.6	170	700	TUDC24N7F	TUDC24N7		
								2.5	12	6 ~ 13.8	210	790	TUDC12U7F		TUDC12U7
								2.2	24	7.2 ~ 13.8	220	710	TUDC12H4F		TUDC12H4
	0.74	26	100	0.40	39	5700	2.5	12	7.2 ~ 13.8	210	790	TUDC12H4F	TUDC12H4	-20 ~ +60	
								2.5	48	24 ~ 55.2	50		TUDC24H4F		TUDC24H4
	0.65	23	75	0.30	37	5000	2.6	12	7.2 ~ 13.8	110	360	TUDC12Z4F	TUDC12Z4	-20 ~ +70	
								24	12 ~ 27.6	50		TUDC24Z4F	TUDC24Z4		
								2.1	48	24 ~ 55.2	40		TUDC12D4F		TUDC12D4
								1.8	24	12 ~ 27.6	80	270	TUDC12B4F		TUDC12B4
	0.55	19	59	0.24	32	4300	1.8	12	7.2 ~ 13.8	140	550	TUDC12B4F	TUDC12B4	-20 ~ +70	
								24	12 ~ 27.6	80	270	TUDC24B4F	TUDC24B4		
2.1								48	24 ~ 55.2	40		TUDC12D4F	TUDC12D4		
1.4								24	12 ~ 27.6	70	190	TUDC24D4F	TUDC24D4		
0.47	17	39	0.16	27	3650	1.8	12	7.2 ~ 13.8	130	380	TUDC12B4F	TUDC12B4	-20 ~ +70		
							24	12 ~ 27.6	70	190	TUDC24B4F	TUDC24B4			
0.35	12	24	0.09	20	2750	0.9	12	8.4 ~ 13.8	80	210	TUDC12D4F	TUDC12D4	-20 ~ +70		
							24	14.4 ~ 27.6	40	110	TUDC24D4F	TUDC24D4			

Size 80 (3.2")



Th'k mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code*		temperature usage range	
	m³/min	cfm	Pa	inH₂O				Rating	usage range	Rating	Start	none ribbed	ribbed		
15	0.91	32	29.4	0.12	31	3100	2.4	12	7.2 ~ 13.8	200			D0815C12B7AZ-00	-10 ~ +60	
								24	14 ~ 27.6	100		D0815C24B7AZ-00			
20	0.84	30	29.4	0.12	31	2900	2.5	12	10.2 ~ 13.8	210			D0820C12B7AZ-00	-10 ~ +60	
								24	20.4 ~ 27.6	120		D0820C24B7AZ-00			
25	1.58	56	100	0.40	47	4560	4.0	12	7.2 ~ 13.8	340	1080	PUDC12U7	PUDC12U7R	-20 ~ +60	
								24	12 ~ 27.6	190	510	PUDC24U7	PUDC24U7R		
								3.8	12	7.2 ~ 13.8	320	730	PUDC12H4		PUDC12H4R
								24	12 ~ 27.6	160	340	PUDC24H4	PUDC24H4R		
	1.32	47	73.5	0.30	40	3900	3.2	48	24 ~ 55.2	70			PUDC48H4		-20 ~ +70
								12	7.2 ~ 13.8	160	520	PUDC12Z4	PUDC12Z4R		
								24	12 ~ 27.6	100	200	PUDC24Z4	PUDC24Z4R		
								2.6	48	24 ~ 55.2	60		PUDC48Z4		
	1.2	42	58.8	0.24	35	3500	2.4	12	7.2 ~ 13.8	140	320	PUDC12B4	PUDC12B4R	-20 ~ +70	
								24	12 ~ 27.6	70	180	PUDC24B4	PUDC24B4R		
								1.8	48	24 ~ 55.2	40		PUDC48B4		
								1.0	12	8.4 ~ 13.8	80	180	PUDC12D4		PUDC12D4R
0.94	33	38.22	0.15	30	2800	1.8	24	14.4 ~ 27.6	40			PUDC24D4	-10 ~ +60		
							24	14.4 ~ 27.6	40						
0.73	26	24.5	0.10	23	2150	1.0	12	8.4 ~ 13.8	80	180	PUDC12D4	PUDC12D4R	-10 ~ +60		
							24	14.4 ~ 27.6	40		PUDC24D4	PUDC24D4R			
32	1.05	37	43	0.17	33	3150	1.9	12	10.2 ~ 13.8	160			D0832C12B7AZ-00	-10 ~ +60	
								24	20.4 ~ 27.6	90		D0832C24B7AZ-00			
	1.1	39	51	0.21	35	3350	2.9	48	43 ~ 53	60			D0832C48B7AZ-00		

Size 92 (3.6")



Th'k mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code*		temperature usage range	
	m³/min	cfm	Pa	inH₂O				Rating	usage range	Rating	Start	none ribbed	ribbed		
25	1.8	64	70	0.28	41.5	3450	4.2	12	7.2 ~ 13.8	350	880	KUDC12U7	KUDC12U7V	-20 ~ +60	
								4.8	24	12 ~ 27.6	200	460	KUDC24U7		KUDC24U7V
								3.2	12	7.2 ~ 13.8	270	690	KUDC12H7		KUDC12H7V
								3.6	24	12 ~ 27.6	150	350	KUDC24H7		KUDC24H7V
	1.66	59	60	0.24	39	3200	3.0	12	7.2 ~ 13.8	250	550	KUDC12Z7	KUDC12Z7V	-20 ~ +70	
								3.3	24	12 ~ 27.6	140	320	KUDC24Z7		KUDC24Z7V
								3.5	48	24 ~ 55.2	70	150	KUDC48Z7		
								12	7.2 ~ 13.8	230	480	KUDC12B4	KUDC12B4V		
	1.55	55	52	0.21	37	2950	2.8	24	12 ~ 27.6	130	240	KUDC24B4	KUDC24B4V	-20 ~ +70	
								48	24 ~ 55.2	60	130	KUDC48B4			
	1.4	49	43	0.17	34	2750	1.2	12	8.4 ~ 13.8	110	240	KUDC12D4	KUDC12D4V	-20 ~ +70	
								1.3	24	14.4 ~ 27.6	60	110	KUDC24D4		KUDC24D4V
32	2.1	74	140	0.56	48	4800	5.7	12	6 ~ 13.8	470	1700		KLDC12U7	-20 ~ +60	
								6.2	24	12 ~ 27.6	260	870			KLDC24U7
	1.9	67	115	0.46	45	4150	4.6	24	12 ~ 27.6	190	690	KLDC24H7F	KLDC24H7	-20 ~ +70	
								4.0	12	7.2 ~ 13.8	340	960	KLDC12Z7F		KLDC12Z7
	1.7	60	86	0.35	43	3800	3.6	24	12 ~ 27.6	150	480	KLDC24Z7F	KLDC24Z7	-20 ~ +70	
								12	7.2 ~ 13.8	280	570	KLDC12B4F	KLDC12B4		
1.5	53	65	0.26	39	3200	3.5	24	12 ~ 27.6	140			KLDC24B4F	KLDC24B4		

* All models shown above are recognized by UL, CSA, TUV standards.

* Ribbed option ; to reinforce the flange against tightening force

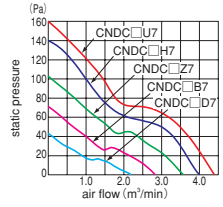
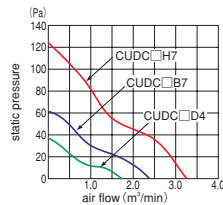
Suffix code in ribbed venturi column is showing as follows

R: Ribbed flange venturi, V: Spacers are attached to the corners of flange, F: Not ribbed flange (open flange)

*Detail of specifications are shown on general catalogue

Industrial standard BOX style fans

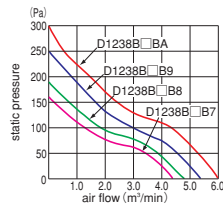
Size 120 (4.7")



Thk mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code*		temperature usage range
	m ³ /min	cfm	Pa	inH ₂ O				Rating	usage range	Rating	Start	none ribbed	ribbed	
25	3.25	115	125	0.50	50	3700	6.5	12	8.4 ~ 13.8	540	2120	CUDC12H7		-20 ~ +70
								24	19.2 ~ 27.6	270	1180	CUDC24H7		
								48	40.8 ~ 55.2	140	450	CUDC48H7		
25	2.4	85	60	0.24	42	2650	3.7	12	6 ~ 13.8	280	740	CUDC12B7	CUDC12B7R	-20 ~ +60
								24	12 ~ 27.6	160	390	CUDC24B7	CUDC24B7R	
								48	24 ~ 55.2	80	190	CUDC48B7	CUDC48B7R	
25	1.7	60	36	0.14	34	1950	2.0	12	8.4 ~ 13.8	160	380	CUDC12D4	CUDC12D4R	-20 ~ +60
								24	14.4 ~ 27.6	90	190	CUDC24D4	CUDC24D4R	

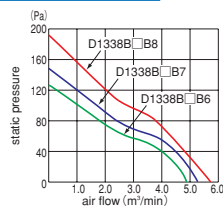
Thk mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code*		temperature usage range	
	m ³ /min	cfm	Pa	inH ₂ O				Rating	usage range	Rating	Start	none ribbed	ribbed		
38	4.4	155	160	0.64	52	3800	11.2	12	8.4 ~ 13.8	930	2100	CNDC12U7		-20 ~ +70	
								10.8	24	19.2 ~ 27.6	450	2000	CNDC24U7		
								9.1	12	8.4 ~ 13.8	760	2080	CNDC12H7		
38	4.0	140	140	0.56	51	3550	9.4	24	19.2 ~ 27.6	390	1970	CNDC24H7		-20 ~ +70	
								8.6	12	7.2 ~ 13.8	710	2350	CNDC12Z7		
								9.0	24	12 ~ 27.6	370	1200	CNDC24Z7		
38	3.5	105	105	0.42	49	3200	10	48	24 ~ 55.2	210	530	CNDC48Z7		-20 ~ +70	
								4.6	12	7.2 ~ 13.8	380	1330	CNDC12B7		
								4.8	24	12 ~ 27.6	200	640	CNDC24B7		CNDC24B7V
38	2.8	70	70	0.28	40	2650	6.0	48	24 ~ 55.2	120	340	CNDC48B7		-20 ~ +70	
								12	8.4 ~ 13.8	200	640	CNDC12D7	CNDC12D7V		
								24	14.4 ~ 27.6	110	340	CNDC24D7			

Diecasted aluminum venturi



Thk mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code	temperature usage range	
	m ³ /min	cfm	Pa	inH ₂ O				Rating	usage range	Rating	Start			
38	6.2	219	300	1.21	62	5500	26.9	48	36 ~ 55.2	560		D1238B48BAAZ-00	-20 ~ +70	
								19.8	12	8.4 ~ 13.8	1650			D1238B12B9AZ-00
								19.7	24	16.8 ~ 27.6	820	2600		D1238B24B9AZ-00
	5.25	185	250	1.00	59	4900	19.2	48	36 ~ 55.2	400		D1238B48B8AZ-00		
								14.4	12	8.4 ~ 13.8	1200			D1238B12B8AZ-00
								13.9	24	16.8 ~ 27.6	580			D1238B24B8AZ-00
4.8	169	185	0.74	56	4400	15.4	48	36 ~ 55.2	320		D1238B48B7AZ-00	-20 ~ +70		
							14.4	12	8.4 ~ 13.8	1200			D1238B12B7AZ-00	
							14.4	24	16.8 ~ 27.6	600	1600		D1238B24B7AZ-00	
4.4	155	160	0.64	54	4000	12	48	36 ~ 55.2	250		D1238B48B7AZ-00	-20 ~ +70		

Size 127 (5")

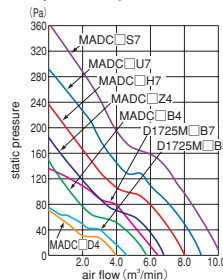


Diecasted aluminum venturi

Thk mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code	temperature usage range	
	m ³ /min	cfm	Pa	inH ₂ O				Rating	usage range	Rating	Start			
38	5.8	205	185	0.74	58	4500	19.8	12	8.4 ~ 13.8	1650		D1338B12B8AZ-00	-20 ~ +70	
								19.7	24	16.8 ~ 27.6	820			D1338B24B8AZ-00
								21.1	48	36 ~ 55.2	440			D1338B48B8AZ-00
	5	177	150	0.60	54	3900	16.2	12	8.4 ~ 13.8	1350		D1338B12B7AZ-00		
								15.6	24	16.8 ~ 27.6	650			D1338B24B7AZ-00
								16.8	48	36 ~ 55.2	350			D1338B48B7AZ-00
4.6	162	130	0.52	51	3400	12	12	8.4 ~ 13.8	1000		D1338B12B6AZ-00	-20 ~ +70		
							24	16.8 ~ 27.6	500		D1338B24B6AZ-00			
							48	36 ~ 55.2	250		D1338B48B6AZ-00			

Size 172 (6")

Ellipse style

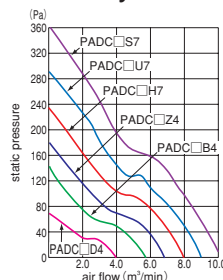


Diecasted aluminum venturi

Thk mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code	temperature usage range	
	m ³ /min	cfm	Pa	inH ₂ O				Rating	usage range	Rating	Start			
25	6.4	226	135	0.54	57	3400	24	24	20.4 ~ 27.6	1000		D1725M24B7AZ-00	-10 ~ +60	
								25	48	40.8 ~ 55.2	520			D1725M48B7AZ-00
								16	12	10.2 ~ 13.8	1300			D1725M12B5AZ-00
51	10.2	360	360	1.45	64	4800	47.5	48	40.8 ~ 55.2	990	2600	MADC48S7	-20 ~ +60	
								33.6	48	40.8 ~ 55.2	700	2600		MADC48U7
								30	12	8.4 ~ 13.8	2500	5800		MADC12H7
	9	318	290	1.17	61	4200	25.2	24	12 ~ 27.6	1050	2700	MADC24H7		
								28.8	48	40.8 ~ 55.2	600	1100		MADC48H4
								12	8.4 ~ 13.8	1500		MADC12Z4		
	8	282	235	0.95	57	3800	25.2	24	12 ~ 27.6	1050	2700	MADC24H7		
								28.8	48	40.8 ~ 55.2	600	1100		MADC48H4
								12	8.4 ~ 13.8	1500		MADC12Z4		
	6.8	240	176	0.71	54	3200	19	24	12 ~ 27.6	790		MADC24Z4		
								48	28.8 ~ 55.2	400		MADC48Z4		
								12	8.4 ~ 13.8	1080		MADC12B4		
5.8	205	140	0.56	49.5	2800	13	24	12 ~ 27.6	540		MADC24B4			
							48	28.8 ~ 55.2	270		MADC48B4			
							12	8.4 ~ 13.8	420		MADC12D4			
4.2	148	69	0.28	42	2000	5	12	8.4 ~ 13.8	420		MADC12D4			
							24	12 ~ 27.6	210		MADC24D4			

Size 172 (6.9")

Round style



Diecasted aluminum venturi

Thk mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code	temperature usage range	
	m ³ /min	cfm	Pa	inH ₂ O				Rating	usage range	Rating	Start			
51	10.2	360	360	1.45	62	4800	47.5	48	40.8 ~ 55.2	990	2600	PADC48S7	-20 ~ +60	
								33.6	48	40.8 ~ 55.2	700	2600		PADC48U7
								30	12	8.4 ~ 13.8	2500	5800		PADC12H7
	9	318	290	1.17	59	4200	25.2	24	12 ~ 27.6	1050	2760	PADC24H7		
								28.8	48	40.8 ~ 55.2	600	1100		PADC48H4
								12	8.4 ~ 13.8	1500		PADC12Z4		
8	282	235	0.95	55	3800	25.2	24	12 ~ 27.6	1050	2760	PADC24H7			
							28.8	48	40.8 ~ 55.2	600	1100	PADC48H4		
							12	8.4 ~ 13.8	1500		PADC12Z4			
6.8	240	176	0.71	50	3200	19	24	12 ~ 27.6	790		PADC24Z4			
							48	28.8 ~ 55.2	400		PADC48Z4			
							12	8.4 ~ 13.8	1080		PADC12B4			
5.8	205	140	0.56	46	2800	13	24	12 ~ 27.6	540		PADC24B4			
							48	28.8 ~ 55.2	270		PADC48B4			
							12	8.4 ~ 13.8	420		PADC12D4			
4.2	148	69	0.28	39	2000	5	12	8.4 ~ 13.8	420		PADC12D4			
							24	12 ~ 27.6	210		PADC24D4			

Diecasted aluminum fans are available for painting option (black)
Any type of rotation detector is available for all fans on the table (factory option)

Cooling Solution with minimized noise

Silent fan series

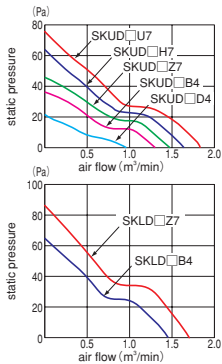
Design with round-shaped inlet to minimize turbulence

Generates a flow low in noise by addressing minimized turbulence and well-studied blade structure.



Size 92 (3.6")

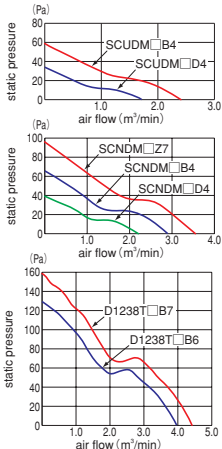
100 (3.94") dia. round face inlet and 92 (3.6") square outlet flange



Th'k mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code	temperature usage range
	m ³ /min	cfm	Pa	inH ₂ O				Rating	usage range	Rating	Start		
25	1.8	60	72	0.26	39	3500	4.2	12	7.2 ~ 13.8	350	880	SKUD12U7 SKUD24U7 SKUD12H7 SKUD24H7	-20 ~ +60
							4.8	24	12 ~ 27.6	200	460		
	3.2	12	7.2 ~ 13.8	270	690	SKUD12Z7 SKUD24Z7							
	3.6	24	12 ~ 27.6	150	350								
	1.45	51	45	0.18	34	2900	3.0	12	7.2 ~ 13.8	250	550	SKUD12B4 SKUD24B4	-20 ~ +70
							3.3	24	12 ~ 27.6	140	320		
							3.5	48	24 ~ 55.2	70	150	SKUD12D4 SKUD24D4	
							2.9	12	7.2 ~ 13.8	230	480		
	1.3	46	35	0.14	31	2600	2.8	48	24 ~ 55.2	60	130	SKUD48B4 SKUD12D4	-20 ~ +70
							12	8.4 ~ 13.8	110	240			
0.95	34	22	0.09	24	1950	1.4	24	14.4 ~ 27.6	60	110	SKUD24D4	-20 ~ +70	
						4.0	12	7.2 ~ 13.8	340	960			
32	1.7	60	86	0.35	41	3800	3.6	24	12 ~ 27.6	150	480	SKLD12Z7 SKLD24Z7	-20 ~ +60
							12	7.2 ~ 13.8	280	570			
	1.5	53	65	0.26	35	3200	3.5	24	12 ~ 27.6	140	480	SKLD12B4 SKLD24B4	-20 ~ +70
							4.0	12	7.2 ~ 13.8	340	960		

Size 120 (4.7")

128 (5") dia. round face inlet and 120 (4.7") square outlet flange



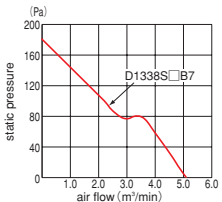
Th'k mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code	temperature usage range
	m ³ /min	cfm	Pa	inH ₂ O				Rating	usage range	Rating	Start		
25	2.4	85	57	0.23	40	2650	4.5	12	7.2 ~ 13.8	380	740	SCUDM12B4 SCUDM24B4 SCUDM12D4 SCUDM24D4	-20 ~ +60
								24	12 ~ 27.6	200	390		
	1.7	60	33	0.13	31	1950	2.0	12	8.4 ~ 13.8	170	380		
								24	14.4 ~ 27.6	90			
38	3.5	124	95	0.38	46	3200	8.6	12	7.2 ~ 13.8	710	2350	SCNDM12Z7 SCNDM24Z7 SCNDM48Z7	-20 ~ +70
							9.0	24	12 ~ 27.6	370	1200		
							10	48	24 ~ 55.2	210			
	3	106	64	0.26	40	2650	7.0	12	7.2 ~ 13.8	500	1050	SCNDM12B4 SCNDM24B4 SCNDM48B4	
							24	12 ~ 27.6	320	560			
							6.0	48	24 ~ 55.2	120			
	2.2	78	39	0.16	30	1950	3.0	12	8.4 ~ 13.8	230	630	SCNDM12D4 SCNDM24D4	
								24	14.4 ~ 27.6	130	310		

120 (4.7") dia. round face inlet and 120 (4.7") square outlet flange

Th'k mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code	temperature usage range
	m ³ /min	cfm	Pa	inH ₂ O				Rating	usage range	Rating	Start		
38	4.4	155	160	0.64	50	4000	10	12	8.4 ~ 13.8	830	1500	D1238T12B7AZ-00 D1238T24B7AZ-00 D1238T48B7AZ-00 D1238T12B6AZ-00 D1238T48B6AZ-00	-20 ~ +70
							11.7	24	18 ~ 27.6	490	1040		
							11	48	33.6 ~ 55.2	230	350		
	4	141	130	0.52	47.5	3600	7.5	12	8.4 ~ 13.8	630	1050		
							8.5	48	33.6 ~ 55.2	180	330		

Size 127 (5")

127 (5") dia. round face inlet and 127 (5") square outlet flange



Th'k mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code	temperature usage range
	m ³ /min	cfm	Pa	inH ₂ O				Rating	usage range	Rating	Start		
38	5.1	180	185	0.74	53	4300	16.8	48	36 ~ 55.2	350	950	D1338S48B7AZ-00	-20 ~ +70

Cooling Solution with high efficiency

High pressure G1751 series

A new high efficiency axial flow fan created using the newly-introduced digital analysis technique
Addresses high static pressure that matches the diagonal flow fans.



To improve static pressure, diagonal flow fans are generally used.

Diagonal flow fans generate a flow that spreads in centrifugal directions.

Thus it causes a problem in which the intended cooling air flow is not obtained at the back of the fan axis.

G1751M solves this problem and generates an air flow that is straight in the axis direction while addressing a high static pressure.

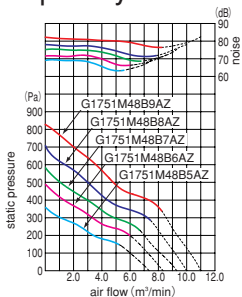
It is designed for large, high pressure resistance cooling cabinets and has capacity equivalent to that of the conventional 200(8") dia. size.

G1751M fan is intended to use under high pressure condition,

When low pressure and higher air flow is needed, then MADC fan is recommended.

Size 172 (6")

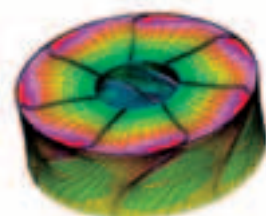
Ellipse style



Th'k mm	Max. air flow		Max. static pressure		Noise dB	Speed r/min	input W	voltage V		current mA		Model code	temperature usage range
	m ³ /min	cfm	Pa	inH ₂ O				Rating	usage range	Rating	Start		
51	11.2	395	840	3.38	76	6800	120	48	36 ~ 50.4	2500	5000	G1751M48B9AZ-00 G1751M48B8AZ-00 G1751M48B7AZ-00 G1751M48B6AZ-00 G1751M48B5AZ-00	-20 ~ +50
	9.2	325	580	2.33	69	5600	62.4	48	36 ~ 60	1300	4400		
	7.3	258	360	1.45	63	4500	36.0	48	36 ~ 60	750	2550		

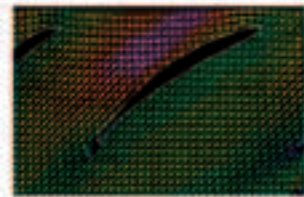
Proposing the best cooling solution for the customers.
 Addressing the customer demands into commercialization in a short period of time.
 With these two points as targets, Japan Servo proactively promotes commercialization (introduction of CAD, CAE, DA) in product development process.
 For fan and blower products, Japan Servo challenges new technology in many fields including aerodynamic analysis based on fluid simulation analysis, analysis of rotary magnetic field on motor iron-core, resin flow within the die for precision-molded products, and stress analysis under high-temperature conditions for propeller so that the best products can be developed within a short period of time utilizing digital engineering.
 The outcomes have been seen not only in the new products of axial fans described in this catalog but also development of low-noise centrifugal blower, unique fans ordered specially for customers, and designing of assembled tray unit.
 Furthermore, the automatic propeller designing system which Japan Servo has developed based on these fundamental analyzing technologies has already started. This system creates the optimal propeller design by calculating possibilities for all shapes when the desired static pressure and flow rate performance are input.
 With these latest technologies that are continued to be improved, Japan Servo continues to provide new products following the concept of "providing the best solution for the customers."

Fluid analysis and propeller design

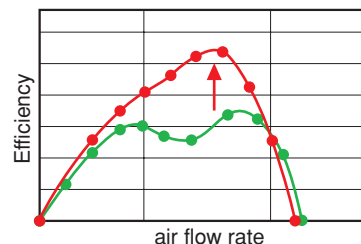


Example of analysis results on flowline in propeller

Velocity and static pressure are expressed in a color scale and the air flow direction as vector line diagram so that the air behavior for each load condition is visualized.

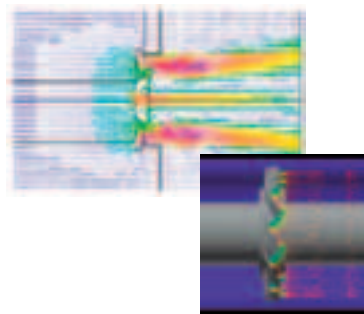


Flow at the axis block is checked by extracting an optional blade cross section.

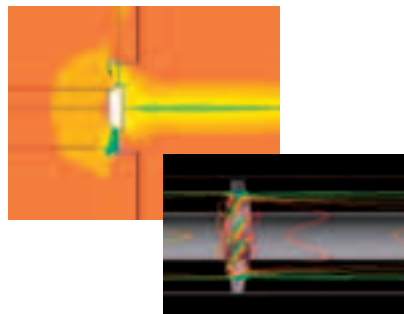


Several hundred propeller shapes are put to trial calculation to select the shape with best efficiency.

Air flow velocity distribution in forward/backward direction of the fan



Static pressure distribution in forward/backward direction of the fan



The propeller selected in automatic calculation is output as a 3D data.



Visit our website at <http://www.nidec-servo.com/>
 for more information and to request a CD-ROM Version of our product catalog.

NIDEC SERVO CORPORATION INTERNATIONAL SALES OFFICE

Osaki MT Building 2F, 5-9-11
 Kita-Shinagawa, Shinagawa-ku, Tokyo, 141-0001
 Tel : +81-(0)3-6756-5304
 Fax : +81-(0)3-6702-0507

Material distributed by :

NIDEC SERVO AMERICA CORPORATION

2050 Center Ave. Suite 318
 Fort Lee, NJ 07024
 Tel : +1-(0)201-585-0720 Fax : +1-(0)201-585-0670

NIDEC SERVO EUROPE B.V.

PO Box 1099, 3840 BB Harderwijk
 The Netherlands
 Tel : +31-(0)3414-27575 Fax : +31- (0)3414-23388

PO Box 7084, Hook, Hampshire, RG27 9XL, UK
 Tel : +44-(0)1256-767712 Fax : +44- (0)1256-767715

NIDEC SERVO (HONG KONG) CO., LIMITED

Unit 1008-09, Saxon Tower, 7 Cheung Shun Street,
 Lai Chi Kok, Kowloon, HONG KONG
 Tel : +852-(0)2314-0037 Fax : +852- (0)2314-4768

NIDEC SERVO (HONG KONG) CO., LIMITED TAIWAN REPRESENTATIVE OFFICE

Rm.1001, No.88, Sec.2,
 Chung Shan N.Rd., Taipei 104 Taiwan
 Nidec Taiwan Corporation.
 Fax : +852-(0)3007-8924

NIDEC SERVO CORPORATION SINGAPORE BRANCH

No. 50, Kallang Avenue #05-01,
 Noel Corporate Buildings, Singapore 339505
 Tel : +65-(0)6743-7655 Fax : +65- (0)6842-7839