

A *Nidec* Group Company

**SERVO**

All for dreams

SERVO

D1751M24B6ZP-00

DC24V 1.8A

JAPAN SERVO CO.,LTD.

MADE IN JAPAN

7H01

# DC Axial Fan Catalogue

## D1751M/S Series

The industry leader in high air flow and low noise.  
High efficiency motor reduces driving current.  
Built-in PWM control circuit allows  
for lower input power and lower noise.

## DC Axial Fan D1751M



$\phi 172 \times 150 \times 51$   
( $\phi 6.8" \times 6.0" \times 2.0"$ )  
Max. airflow : 14.2 m<sup>3</sup>/min  
Max. static pressure : 580 Pa  
Mass : 780 g

### Fan model code

- D1751M24B9ZP300
- D1751M48B9ZP-00
- D1751M24B8ZP300
- D1751M48B8ZP-00
- D1751M24B7ZP-00

D1751M48B7ZP-00

D1751M24B6ZP-00

D1751M48B6ZP-00

D1751M24B5ZP-00

D1751M48B5ZP-00

D1751M12B4AP-00

D1751M24B4ZP-00

D1751M48B4ZP-00

D1751M12B3AP-00

D1751M24B3AP-00

D1751M48B3AP-00

D1751M12B2AP-00

D1751M24B2AP-00

D1751M48B2AP-00

D1751M12B1AP-00

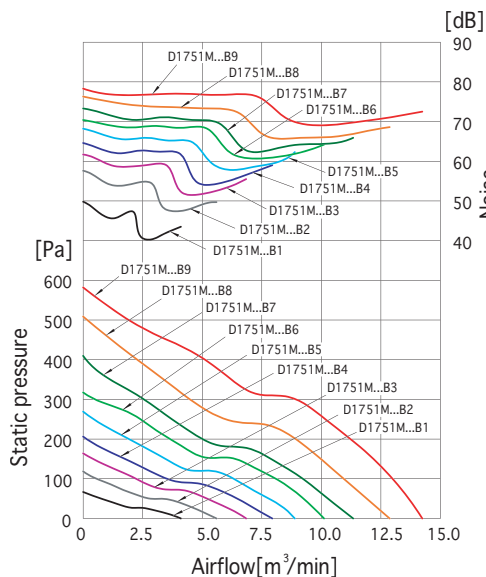
D1751M24B1AP-00

### Standard specification

Max. airflow m <sup>3</sup> /min	Max. static pressure CFM	Pa	inH <sub>2</sub> O	Noise dB	Speed min <sup>-1</sup>		Input W	Voltage spec. V		Current mA		Model code <small>□ Models without PWM control*</small>	Operating temp. range °C					
					Max.	Min.		Rating	Operating Range	Rating	Starting							
14.2	501	580	2.33	75	6800	3200	110	24	16-28	4600	6900	D1751M24B9ZP300	-20 ~ +60					
								48	36-60	2300	6000	D1751M48B9ZP-00						
12.7	448	510	2.05	72	6100	2600	81.6	24	16-28	3400	4800	D1751M24B8ZP300		-20 ~ +60				
								48	36-60	1650	3500	D1751M48B8ZP-00						
11.4	402	410	1.65	69	5400	1500	58.8	24	12-27.6	2450	5600	D1751M24B7ZP-00			-20 ~ +60			
								48	36-60	1200	2350	D1751M48B7ZP-00						
10.2	360	315	1.27	64	4800	1000	43.2	24	12-27.6	1800	3200	D1751M24B6ZP-00				-20 ~ +60		
								48	36-60	820	1800	D1751M48B6ZP-00						
9	318	260	1.04	61	4200	1000	28.8	24	12-27.6	1200	2200	D1751M24B5ZP-00					-20 ~ +60	
								48	36-60	600	1150	D1751M48B5ZP-00						
8	282	205	0.82	57	3800	1000	22	12	8.4-13.8	1840	3800	D1751M12B4AP-00						-20 ~ +70
								24	12-27.6	900	2200	D1751M24B4ZP-00						
6.8	240	155	0.62	54	3200	-	14.5	48	36-60	450	860	D1751M48B4ZP-00	-20 ~ +70					
								12	8.4-13.8	1200	3400	D1751M12B3AP-00						
5.8	205	120	0.48	49	2800	-	10	24	12-27.6	600	2400	D1751M24B3AP-00		-20 ~ +70				
								48	28.8-55.2	310	900	D1751M48B3AP-00						
4.2	148	67	0.27	41	2000	-	4.7	12	8.4-13.8	800	2900	D1751M12B2AP-00			-20 ~ +70			
								24	12-27.6	400	1900	D1751M24B2AP-00						
4.2	148	67	0.27	41	2000	-	4.7	48	28.8-55.2	210	700	D1751M48B2AP-00				-20 ~ +70		
								12	8.4-13.8	390	2200	D1751M12B1AP-00						
4.2	148	67	0.27	41	2000	-	4.7	24	12-27.6	200	1150	D1751M24B1AP-00					-20 ~ +70	

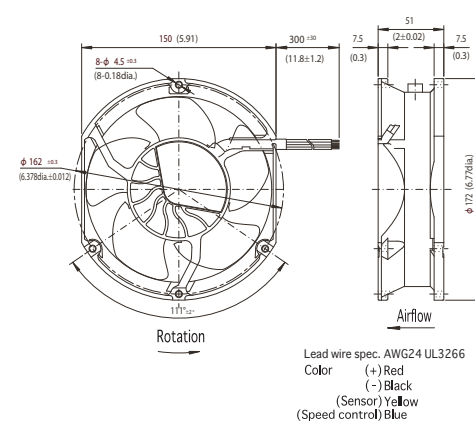
- \* Based on your needs, these models can be modified to have PWM control. Please contact Japan Servo for more information.
- Figures in the table are average measured values. Please request the product delivery specification when preparing a purchase specification.
- The characteristics are the values at rated voltage (12 V, 24 V, 48 V), and normal temperature and humidity.

### Standard airflow and static pressure characteristics (At rated voltage)

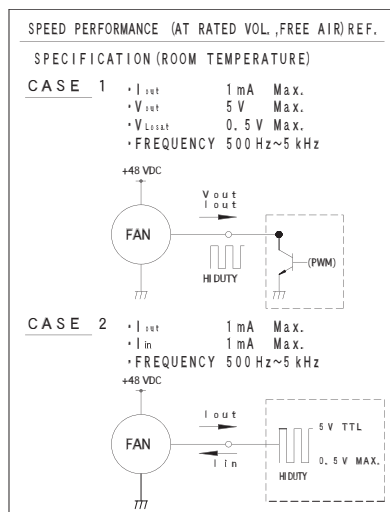
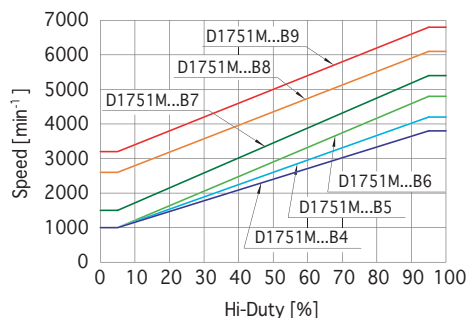


### External dimensions in mm (inches)

#### Lead wire type



### PWM speed control specification



● To ensure correct installation and smooth operation please obtain a drawing for approval or reference drawing from Japan Servo Co.

DC Axial Fan

## D1751S



$\phi 172 \times 51$   
 ( $\phi 6.8" \times 2.0"$ )  
 Max. airflow : 14.2 m<sup>3</sup>/min  
 Max. static pressure : 640 Pa  
 Mass : 830 g

**Fan model code**

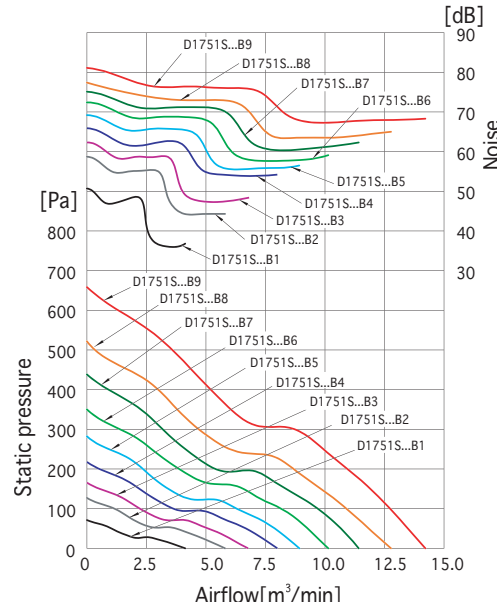
- D1751S24B9ZP300
- D1751S48B9ZP-00
- D1751S24B8ZP300
- D1751S48B8ZP-00
- D1751S24B7ZP-00
- D1751S48B7ZP-00
- D1751S24B6ZP-00
- D1751S48B6ZP-00
- D1751S24B5ZP-00
- D1751S48B5ZP-00
- D1751S12B4AP-00
- D1751S24B4ZP-00
- D1751S48B4ZP-00
- D1751S12B3AP-00
- D1751S24B3AP-00
- D1751S48B3AP-00
- D1751S12B2AP-00
- D1751S24B2AP-00
- D1751S48B2AP-00
- D1751S12B1AP-00
- D1751S24B1AP-00

### Standard specification

Max. airflow m <sup>3</sup> /min	Max. static pressure CFM Pa inH <sub>2</sub> O	Noise dB	Speed min <sup>-1</sup>		Input W	Voltage spec. V		Current mA		Model code □: Models without PWM control*	Operating temp. range °C			
			Max.	Min.		Rating	Operating Range	Rating	Starting					
14.2	501	640	2.57	68	6800	3200	110	24	16-28	4600	6900	D1751S24B9ZP300	-20 ~ +60	
								48	36-60	2300	6000	D1751S48B9ZP-00		
12.7	448	520	2.09	65	6100	2600	81.6	24	16-28	3400	4800	D1751S24B8ZP300		
								48	36-60	1650	3500	D1751S48B8ZP-00		
11.4	402	435	1.75	62	5400	1500	58.8	24	12-27.6	2450	5600	D1751S24B7ZP-00		
								48	36-60	1200	2350	D1751S48B7ZP-00		
10.2	360	335	1.35	59	4800	1000	43.2	24	12-27.6	1800	3200	D1751S24B6ZP-00		
								48	36-60	820	1800	D1751S48B6ZP-00		
9	318	270	1.08	56	4200	1000	28.8	24	12-27.6	1200	2200	D1751S24B5ZP-00		
								48	36-60	600	1150	D1751S48B5ZP-00		
8	282	220	0.88	53.5	3800	1000	22	12	8.4-13.8	1840	3800	D1751S12B4AP-00		-20 ~ +70
								24	12-27.6	900	2200	D1751S24B4ZP-00		
6.8	240	165	0.66	48	3200	-	14.5	48	36-60	450	860	D1751S48B4ZP-00		
								12	8.4-13.8	1200	3400	D1751S12B3AP-00		
5.8	205	125	0.50	44	2800	-	10	24	12-27.6	600	2400	D1751S24B3AP-00		
								48	28.8-55.2	310	900	D1751S48B3AP-00		
4.2	148	70	0.28	36	2000	-	4.7	12	8.4-13.8	800	2900	D1751S12B2AP-00		
								24	12-27.6	400	1900	D1751S24B2AP-00		
4.2	148	70	0.28	36	2000	-	4.7	48	28.8-55.2	210	700	D1751S48B2AP-00		
								12	8.4-13.8	390	2200	D1751S12B1AP-00		
4.2	148	70	0.28	36	2000	-	4.7	24	12-27.6	200	1150	D1751S24B1AP-00		

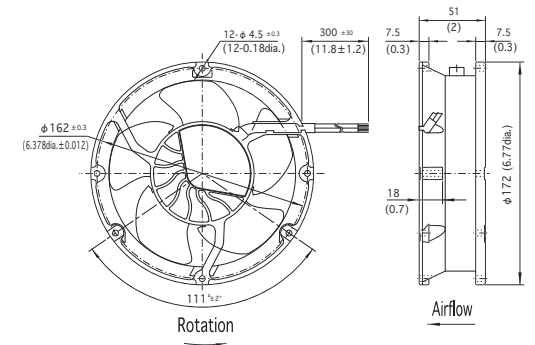
- \* Based on your needs, these models can be modified to have PWM control. Please contact Japan Servo for more information.
- Figures in the table are average measured values. Please request the product delivery specification when preparing a purchase specification.
- The characteristics are the values at rated voltage (12 V, 24 V, 48 V), and normal temperature and humidity.

### Standard airflow and static pressure characteristics (At rated voltage)



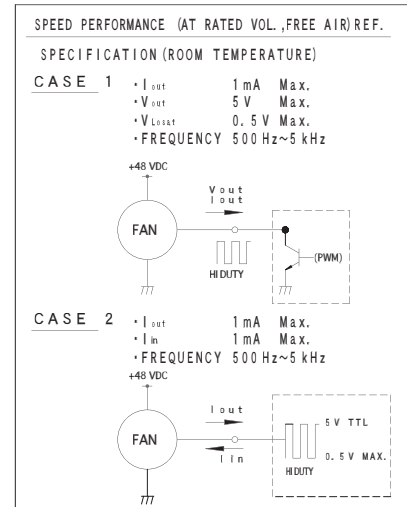
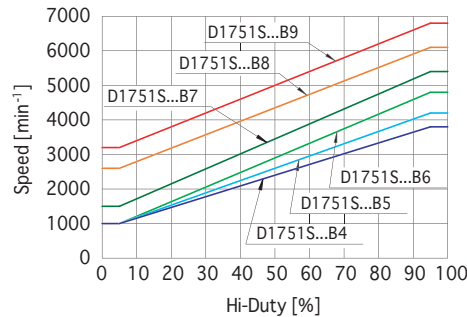
### External dimensions in mm (inches)

● Lead wire type



Lead wire spec. AWG24 UL3266  
 Color (+) Red (-) Black  
 (Sensor) Yellow  
 (Speed control) Blue

### PWM speed control specification



● To ensure correct installation and smooth operation please obtain a drawing for approval or reference drawing from Japan Servo Co.



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**WARNING**

- Please do not exceed the specifications noted in this catalogue, otherwise there is a chance of electric shock, injury, or other damage.
- Please do not insert your fingers or any other object into the fan's interior, otherwise there is a chance of electric shock, injury, or fire.
- Any modifications made to this fan are beyond the limits of our guarantee. NIDEC SERVO cannot take responsibility for any customer modifications.
- Please ensure that a thorough evaluation has been done before using this fan in medical equipment or other devices related to human lives.
- Please ensure that a thorough evaluation has been done before using this fan in applications that have a serious effect on the public.