









Fan Motor Selector Chart

DC FAN MOTOR Partly Order Discontinued as of August 31, 2011

Type	ASFN3*7** 30 sq.×10t						ASFN4*7** 40 sq.×10t					
	<div></div>											
Item	Standard speed		Middle speed		Low speed		Standard speed		Middle speed		Low speed	
Rated operating voltage	5 V DC	12 V DC	5 V DC	12 V DC	5 V DC	12 V DC	5 V DC	12 V DC	5 V DC	12 V DC	5 V DC	12 V DC
Rated operating current*1 (mA)	240	120	200	100	130	90	210	100	160	100	100	90
Rated power consumption*1 (W)	1.20	1.44	1.00	1.20	0.65	1.08	1.05	1.20	0.80	1.20	0.50	1.08
Rotation speed*2 (r/min)	10,500		9,000		7,500		6,500		5,500		4,500	
Max. static pressure*2 (Pa)	54.0		37.0		29.0		46.0		34.0		24.0	
Max. air flow*2 (m³/min)	0.110		0.091		0.078		0.17		0.15		0.12	
Noise*2 (dB(A))	27		23		21		29		25		22	
Weight (g)	8.5						15.0					
Operating voltage range	For rated 5 V: 4.5 to 5.5 V DC, for rated 12 V: 6 to 13.8 V DC						For rated 5 V: 4.5 to 5.5 V DC, for rated 12 V: 10.2 to 13.8 V DC					
Page	7						8					





Type	ASFN6*3** 60 sq.×25t						ASFN8*3** 80 sq.×25t					
												
Item	Standard speed		Middle speed		Low speed		Standard speed		Middle speed		Low speed	
Rated operating voltage	12 V DC	24 V DC	12 V DC	24 V DC	12 V DC	24 V DC	12 V DC	24 V DC	12 V DC	24 V DC	12 V DC	24 V DC
Rated operating current*1 (mA)	160	100	100	60	70	50	330	180	170	90	100	60
Rated power consumption*1 (W)	1.92	2.40	1.20	1.44	0.84	1.20	3.96	4.32	2.04	2.16	1.20	1.44
Rotation speed*2 (r/min)	4,050		3,000		2,550		2,950		2,400		1,900	
Max. static pressure*2 (Pa)	41.7		23.4		17.2		36.6		24.3		14.2	
Max. air flow*2 (m³/min)	0.61		0.44		0.37		1.09		0.88		0.68	
Noise*2 (dB(A))	30.5		22.5		19.0		32.5		27.0		22.0	
Weight (g)	65						80					
Operating voltage range	For rated 12 V: 6 to 13.8 V DC, for rated 24 V: 15 to 27.6 V DC						For rated 12 V: 6 to 13.8 V DC, for rated 24 V: 10 to 27.6 V DC					
Page	9						10					



	ASFN9*3** 92 sq.×25t						ASFN1*3** 120 sq.×25t						ASFN1*B** 120 sq.×38t					
Type																		
Item	Standard speed		Middle speed		Low speed		Standard speed		Middle speed		Low speed		Standard speed		Middle speed		Low speed	
Rated operating voltage	12 V DC	24 V DC	12 V DC	24 V DC	12 V DC	24 V DC	12 V DC	24 V DC	12 V DC	24 V DC	12 V DC	24 V DC	12 V DC	24 V DC	12 V DC	24 V DC	12 V DC	24 V DC
Rated operating current*1 (mA)	250	130	180	90	120	80	520	290	250	130	160	100	720	400	520	280	350	200
Rated power consumption*1 (W)	3.00	3.12	2.16	2.16	1.44	1.92	6.24	6.96	3.00	3.12	1.92	2.40	8.64	9.60	6.24	6.72	4.20	4.80
Rotation speed*2 (r/min)	2,350		2,000		1,700		2,500		1,900		1,600		2,950		2,650		2,300	
Max. static pressure*2 (Pa)	27.6		20.0		14.4		40.9		24.8		17.9		68.1		55.9		44.1	
Max. air flow*2 (m³/min)	1.38		1.17		0.98		2.85		2.15		1.80		3.07		2.75		2.37	
Noise*2 (dB(A))	32.0		27.0		22.0		38.5		31.0		27.0		42.5		41.0		37.0	
Weight (g)	85						180						260					
Operating voltage range	For rated 12 V: 6 to 13.8 V DC, for rated 24 V: 10 to 27.6 V DC						For rated 12 V: 6 to 13.8 V DC, for rated 24 V: 10 to 27.6 V DC						For rated 12 V: 6 to 13.8 V DC, for rated 24 V: 10 to 27.6 V DC					
Page	11						12						13					



Note: *1 Designates maximum values, *2 Designates average values

Fan Motor Selector Chart

AC FAN MOTOR

	ASEN6051* 60 sq.×30t		ASEN8021* 80 sq.×25t				ASEN804*** 80 sq.×38t			
Type			 							
Rated voltage	100 V	115 V	100 V	115 V	200 V	230 V	100 V	115 V	200 V	230 V
Frequency	50/60 Hz		50/60 Hz				50/60 Hz			
Input power (W) ^{+10 -20%}	6/5	4.5/4	6/5	6/5	7/6	7.5/6.5	9/7		10/8	
Rated current*1 (mA)	80/70	70/60	90/80	80/70	60/50	50/45	170/120	140/110	80/65	70/55
Locked current*3 (mA)	85/75	70/60	95/85	85/75	70/60	60/55	180/160	160/140	90/80	80/70
Rotation speed*2 (r/min)	2,000/2,600		2,400/2,750		2,500/3,000		2,700/3,200			
Max. air flow*2 (m³/min)	0.2/0.26		0.74/0.85		0.57/0.68		0.75/0.9			
Max. static pressure*2 (Pa)	13.7/22.6		37.5/43		39.0/55.0		44.2/62.8			
Noise*3 (dB(A))	28/29		28/33		24/31		33/38			
Operating voltage range (V)	Rated voltage ±10%		Rated voltage ±10%				Rated voltage ±10%			
Weight (kg)	0.14		0.22		0.24		0.3			
Page	14		15				16			

	ASEN902*** 92 sq.×25t				ASEN102*** 120 sq.×25t			
Type								
Rated voltage	100 V	115 V	200 V	230 V	100 V	115 V	200 V	230 V
Frequency	50/60 Hz				50/60 Hz			
Input power (W) ⁺¹⁰ _{-20%}	13/10				14/11			
Rated current* ¹ (mA)	190/150	170/130	100/80	90/70	220/180	190/160	110/90	100/90
Locked current* ³ (mA)	200/170	180/160	110/100	100/80	220/200	200/180	120/100	110/100
Rotation speed* ² (r/min)	2,600/3,100				2,300/2,700			
Max. air flow* ² (m ³ /min)	0.80/0.98				1.8/2.0			
Max. static pressure* ² (Pa)	43.1/60.8				41.2/41.2			
Noise* ³ (dB(A))	34/39				34/38			
Operating voltage range (V)	Rated voltage ±10%				Rated voltage ±10%			
Weight (kg)	0.3				0.36			
Page	17				18			

	ASEN104*** 120 sq.×38t				ASEN5075* 150×172×38t			
Type								
Rated voltage	100 V	115 V	200 V	230 V	100 V	115 V	200 V	230 V
Frequency	50/60 Hz				50/60 Hz			
Input power (W) ⁺¹⁰ _{-20%}	15/14	15.5/14.5	15/13	15/14	37/33	35/32	34/33	35/35
Rated current* ¹ (mA)	270/230	250/210	140/120	120/100	470/400	380/360	230/210	190/180
Locked current* ³ (mA)	370/300	320/270	190/170	160/140	750/700	550/530	340/320	280/310
Rotation speed* ² (r/min)	2,600/2,900				2,700/3,200			
Max. air flow* ² (m ³ /min)	2.5/2.9				5.0/6.0			
Max. static pressure* ² (Pa)	64.7/76.4				157/215.8			
Noise* ³ (dB(A))	37/41				52/56			
Operating voltage range (V)	Rated voltage ±10%				Rated voltage ±10%			
Weight (kg)	0.55				0.8			
Page	19				20			

Note: *1 Designates maximum values, *2 Designates minimum values, *3 Designates average values