

Standard/Speed Sensor



- Brushless, high air flow, low power fans
- Constructed to **VDE0730**
- Stall and reverse polarity protected
- Fitted with sleeved (SB) or ball (BB) bearings
- **UL** and **CSA** approved
- Glass reinforced plastic housings (127 and 135mm, metal)
- Speed sensor options offer integrated speed monitoring using a square wave output which can be used for protection against overheating, component damage or 'intelligent' cooling

Life expectancy		>35,000 hours		Connection lead				Bearing			
Voltage V dc	Range V dc	Power Watts	Air Flow cu ft/min	Noise dBA@1M	Operating Temp °C	Type	Mftrs. List No	Order Code			
60mm, Super Low Noise											
12	6 to 15	0.7	12.4	5.8	26	-20 to +65	BB	612L	719-663		
12	8 to 15	0.8	12.4	5.8	16		SB	612NGL	314-444		
24	18 to 28	0.8	12.4	5.8	16		SB	614NGL	314-481		
60mm, Low Noise											
12	8 to 15	1.6	20.6	9.7	28		SB	612NGM	314-456		
24	18 to 28	1.6	20.6	9.7	28		SB	614NGM	314-493		
60mm, Standard											
12	6 to 15	2.5	24	11.3	40	-20 to +65	BB	612	151-269		
24	12 to 30	2.5	24	11.3	40	-20 to +65	BB	614	151-270		
12	8 to 15	2.1	24.1	11.4	35		SB	612NGN	314-468		
24	18 to 28	2.1	24.1	11.4	35		SB	614NGN	314-500		
12	8 to 15	2.6	27.1	12.8	38		SB	612NGH	314-470		
24	18 to 28	2.6	27.1	12.8	38		SB	614NGH	314-511		
12	8 to 15	3.8	33	15.5	43		SB	612NGHH	323-6274		
24	18 to 28	3.8	33	15.5	43		SB	612NGHH	323-6286		
80mm, Super Low Noise											
12	6 to 15	1.0	18.8	8.8	24	-20 to +75	BB	8312L	719-717		
24	12 to 28	1.0	18.8	8.8	24	-20 to +75	BB	8314L	719-729		
80mm, Standard											
12	6 to 15	2.2	32	15.1	36	-10 to +75	BB	8312	149-424		
24	12 to 28	2.2	32	15.1	36	-10 to +75	BB	8314	149-425		
48	36 to 56	2.6	32	15.1	36	-10 to +75	BB	8318	719-675		
92mm, Super Low Noise											
12	6 to 15	1.4	33	15.5	29	-10 to +75	BB	3312L	719-730		
92mm, Standard											
12	6 to 15	2.4	47	22.2	37	-10 to +75	BB	3312	149-426		
24	12 to 28	2.4	47	22.2	37	-10 to +75	BB	3314	149-427		
119mm, Super Low Noise											
12	6 to 15	1.2	55.9	26.3	30	-20 to +75	BB	4312L	719-742		
24	12 to 28	1.2	55.9	26.3	30	-20 to +75	BB	4314L	719-754		
119mm, Super low Noise, 38mm Depth											
12	7 to 14.5	1.4	58.9	27.8	28	-20 to +70	SB	4212NGL	315-357		
24	12 to 28	1.4	58.9	27.8	28	-20 to +70	SB	4214NGL	315-436		
119mm, Low Noise											
12	6 to 15	2.6	82.4	38.8	39	-20 to +75	BB	4312M	719-766		
24	12 to 28	2.6	82.4	38.8	39	-20 to +75	BB	4314M	719-778		
119mm, Low Noise, 38mm Depth											
12	7 to 14.5	3.0	84.8	40.0	38	-20 to +70	SB	4212NGM	315-370		
24	12 to 28	3.0	84.8	40.0	38	-20 to +70	SB	4212NGM	315-448		
119mm, Standard											
12	6 to 15	5	100	47.2	43	-10 to +75	BB	4312	149-428		
24	12 to 28	5	100	47.2	43	-10 to +75	BB	4314	149-429		
48	36 to 56	5	100	47.2	43	-10 to +75	BB	4318	719-791		
119mm, Standard, 38mm Depth											
12	7 to 14.5	4.0	97.1	45.8	42	-20 to +70	SB	4212NGN	315-394		
24	12 to 28	4.0	97.1	45.8	42	-20 to +70	SB	4214NGN	315-450		
12	7 to 14.5	5.0	105.9	49.9	45	-20 to +70	SB	4212NGH	315-412		
24	12 to 28	5.0	105.9	49.9	45	-20 to +70	SB	4214NGH	315-461		
127mm, Standard											
12	8 to 16	4.5	117.7	55.5	44	-15 to +72	BB	5212	635-406		
24	18 to 30	4.7	117.7	55.5	44	-15 to +72	BB	5214	635-418		
135mm, Standard											
12	6 to 15	9.5	147.1	69.4	48	-25 to +72	BB	5112N	635-420		
12*	6 to 15	9.5	147.1	69.4	48	-25 to +72	BB	5112N/2	179-668		
24	12 to 30	9.5	147.1	69.4	48	-25 to +72	BB	5114N	635-431		
24*	12 to 30	9.5	147.1	69.4	48	-25 to +72	BB	5114N/2	179-681		

*Speed sensor option:- Square wave signal amplitude depends on pull up resistor used, 2 pulses per revolution, open collector without internal pull up resistor

	60mm	80mm	92mm	119mm	127mm	135mm
Height	60	80	92	119	127	135
Width	60	80	92	119	127	135
Depth	25	32	32	32/38	38	38
Cut-out ∅	58	77	88	116	124	133
Fix. centres	50 50	71.5 71.5	82.5 82.5	105 105	113 113	113 113
Fix. centres ∅	4	4.5	4.5	4.5	4.7	4.3

FM6

FM6a

Voltage	Order Code	Price Each				
		1+	5+	10+	15+	20+
60mm, Super Low Noise						
12V	.719-663					
12V	.314-444					
24V	.314-481					
60mm, Low Noise						
12V	.314-456					
24V	.314-493					
60mm, Standard						
12V	.151-269 †					
24V	.151-270 †					
12V	.314-468					
24V	.314-500					
12V	.314-470					
24V	.314-511					
12V	323-6274					
24V	323-6286					
80mm, Super Low Noise						
12V	719-717					
24V	719-729					
80mm, Standard						
12V	.149-424					
24V	.149-425					
48V	719-675					
92mm, Super Low Noise						
12V	719-730					
92mm, Standard						
12V	.149-426					
24V	.149-427					
119mm, Super Low Noise						
12V	.719-742					
24V	.719-754					
119mm, Super Low Noise, 38mm Depth						
12V	315-357					
24V	315-436					
119mm, Low Noise						
12V	.719-766					
24V	.719-778					
119mm, Low Noise, 38mm Depth						
12V	315-370					
24V	315-448					
119mm, Standard						
12V	.149-428					
24V	.149-429					
48V	719-791					
119mm, Standard, 38mm Depth						
12V	.315-394					
24V	.315-450					
12V	.315-412					
24V	.315-461					
127mm, Standard						
12V	.635-406					
24V	.635-418					
135mm, Standard						
12V	635-420					
12V/Speed Sensor	179-668					
24V	635-431					
24V/Speed Sensor	179-681					

† Available until stocks are exhausted

Continued

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