

GREEN SERIES 300DD-EC

Forward Curved Roof Exhauster



FEATURES

- High efficiency direct drive motor for energy efficient low maintenance applications
- Square base allows discharge to be oriented in any of 4 directions.
- Back draft damper and bird screen included.
- Cabinet insulated with 1/2" fiberglass insulation.
- EC Motor offers true variable speed operation and up to 70% energy savings over PSC motors.

PERFORMANCE SPECIFICATIONS

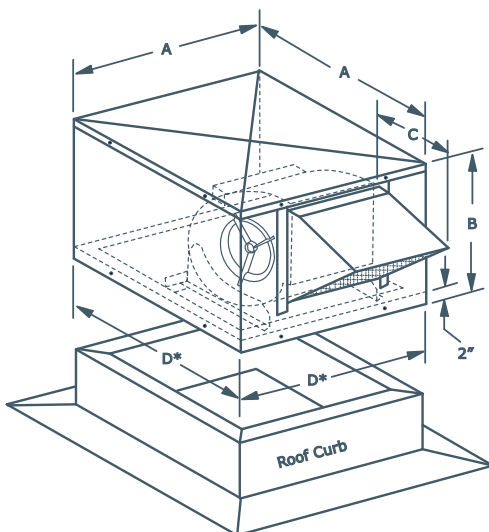
MODEL	MOTOR			TYPICAL MAXIMUM CFM @ SP																									
	HP	Variable Speed	Max RPM	Speed	1/4"				1/2"				3/4"				1"				1 1/4"								
					CFM	BHP	FEI	FEPact (KW)	CFM	BHP	FEI	FEPact (KW)	CFM	BHP	FEI	FEPact (KW)	CFM	BHP	FEI	FEPact (KW)	CFM	BHP	FEI	FEPact (KW)					
309DD050EC	1/2	Y*	1200	High Low	1500 500	-	-	-	-	1325 500	-	-	-	-	1200 500	-	-	-	-	950 500	-	-	-	-	300 300	-	-	-	-
309DD100EC	1	Y*	1200	High Low	1800 500	0.76 0.06	0.57 1.89	0.69 0.09	0.99	1500 500	0.63 0.11	0.77 1.64	0.58 0.13	0.50	1200 500	0.54 0.17	0.93 1.44	0.51 0.19	0.50	950 500	0.44 0.25	1.13 1.23	0.42 0.26	300 300	0.27 0.27	1.03 1.03	0.28 0.28	0.28	
310DD050EC	1/2	Y*	1100	High Low	1800 600	-	-	-	-	1500 400	-	-	-	-	1300 400	-	-	-	-	1050 400	-	-	-	-	-	-	-	-	
310DD100EC	1	Y*	1100	High Low	2375 600	0.96 0.06	0.56 2.07	0.86 0.09	0.86	2100 400	0.92 0.11	0.71 1.47	0.82 0.13	0.82	1800 400	0.86 0.16	0.82 1.34	0.77 0.18	0.77	1200 400	0.52 0.20	1.14 1.32	0.49 0.21	700 400	0.42 0.25	1.11 1.25	0.41 0.26	0.41	
312DD050EC	1/2	Y*	1000	High Low	2250 800	-	-	-	-	1850 600	-	-	-	-	1550 600	-	-	-	-	1250 600	-	-	-	-	1000 600	-	-	-	-
312DD100EC	1	Y*	1000	High Low	3000 800	0.95 0.11	0.68 1.66	0.85 0.13	0.85	2700 600	0.97 0.13	0.82 1.60	0.87 0.15	0.87	2400 600	0.98 0.21	0.92 1.34	0.87 0.22	0.87	2125 600	0.99 0.26	0.98 1.32	0.88 0.27	1600 600	0.81 0.34	1.09 1.21	0.73 0.34	0.73	

* Minimum motor speed 425 RPM (EC Models)

EC motors can be controlled using the built in potentiometer on motor or by using a 0 to 10 V controller, or by a remote potentiometer.

REVIEW FAN CURVES BEFORE ADJUSTING RPM TO ENSURE LOAD DOES NOT EXCEED MOTOR HP.

DIMENSIONS



MODEL	A	B	C	* D INSIDE	SHAFT DIAMETER	WEIGHT (lbs) without motor
309DD	24 3/8"	19 3/8"	10 5/8"	24"	3/4"	63
310DD	28 3/8"	21 3/8"	11 3/8"	28"	3/4"	88
312DD	32 3/8"	24 5/8"	13 1/8"	32"	3/4"	113

* D is an inside dimension.

Curb size must be smaller to allow for flashing.