

# 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

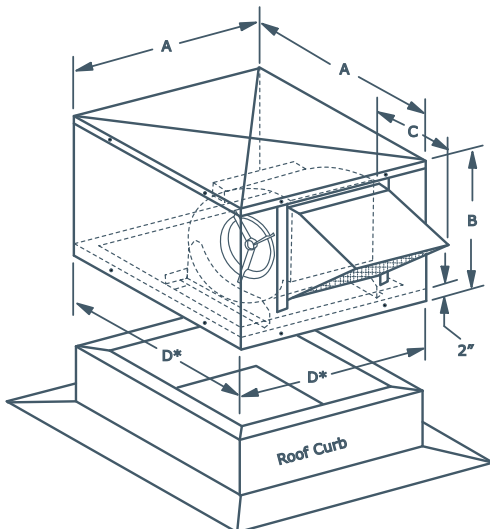
MODEL	MOTOR			TYPICAL MAXIMUM CFM @ SP																				
	HP	Variable Speed	Max RPM	Speed	1/4"				1/2"				3/4"				1"				1 1/4"			
					CFM	BHP	FEI	FEPact (KW)	CFM	BHP	FEI	FEPact (KW)	CFM	BHP	FEI	FEPact (KW)	CFM	BHP	FEI	FEPact (KW)	CFM	BHP	FEI	FEPact (KW)
309DD050EC	1/2	Y*	1200	High	1500	-	-	-	1325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

\* 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.