

# 1SDE Series

## Standard Duty Exhaust Wall Fans

### Application

Standard duty belt drive exhaust wall fans are designed to move large volumes of air quickly at relatively low static pressures. They are ideal for light to medium duty applications such as warehouses, factories, parking garages, greenhouses, barns, mechanical rooms, gymnasiums, laundries and boiler rooms.

### Design

Five-blade steel propeller. Deep drawn steel venturi frame for maximum performance. Self-aligning and pre-lubricated ball bearings. 1" Shaft stepped down to 7/8" to match blade sheaves. Tubular steel supports designed for rigid construction. Adjustable motor mounts permitting easy belt adjustment.

### Certification

All ventilators are listed UL 705 for electrical.



Fantech, Inc. certifies that the models shown are licensed to bear the AMCA Seal. The ratings are based on the tests and procedures performed in accordance with AMCA Publication 211 and Publication 311 and comply with the requirements of the AMCA Certified Ratings Program. Performance certified is for installation type A- Free inlet, Free outlet. Performance rating includes the effects of shutter and guard.



- Airflow up to 29,550 cfm
- Vertical/horizontal mounting options
- Rolled venturi for maximum air performance
- Final assembly on site (motor drive pack shipped loose)
- All models are Shipping class 2



### Specification data

Model	Rated power	RPM	Max BHP	0.0" P <sub>s</sub>	0.125" P <sub>s</sub>	0.25" P <sub>s</sub>	0.375" P <sub>s</sub>	Sones <sup>†</sup> @ 0.125" P <sub>s</sub>	Shipping weight	Motor type	Item #		Motor type	Item #	
	HP								lbs						
1SDE 24	1/4	650	0.32	5120	4195	2160	-	12.7	37	BB	K45525		-	-	-
	1/3	710	0.44	5595	4775	2830	1650	13.6	37	CB	K45526		-	-	-
	1/2	835	0.66	6580	5910	4970	3100	16.7	37	DB	K45527		DX	K45549	-
	3/4	945	0.93	7445	6870	6200	4800	19.2	37	EB	K45528		EX	K45550	-
1SDE 30	1/4	470	0.27	6895	4950	-	-	14.1	44	BB	K45529		-	-	-
	1/3	500	0.35	7335	5605	2320	-	14.3	44	CB	K45530		-	-	-
	1/2	585	0.52	8585	7305	4750	-	16.1	44	DB	K45531		DX	K45551	-
	3/4	670	0.80	9830	8805	7120	4130	17.7	44	EB	K45532		EX	K45552	-
	1	720	0.96	10565	9615	8205	5945	19.5	44	FB	K45533		FX	K45553	-
1SDE 36	1/3	415	0.38	10160	7590	-	-	14.1	54	CB	K45534		-	-	-
	1/2	485	0.62	11875	9915	5045	-	18.1	54	DB	K45535		DX	K45554	-
	3/4	540	0.88	13220	11490	8565	4215	22.0	54	EB	K45536		EX	K45555	-
	1	605	1.20	14815	13300	11415	6600	26.0	54	FB	K45537		FX	K45556	-
	1 1/2	660	1.53	16160	14805	13215	10400	30.0	54	GB	K45538		GX	K45557	-

<sup>†</sup> Performance certified is for installation type A: Free inlet, Free outlet. Speed (RPM) shown is nominal. Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances (accessories). The sound ratings shown are loudness values in hemispherical sones at 1.5 m (5 ft) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type A, hemispherical sone levels.