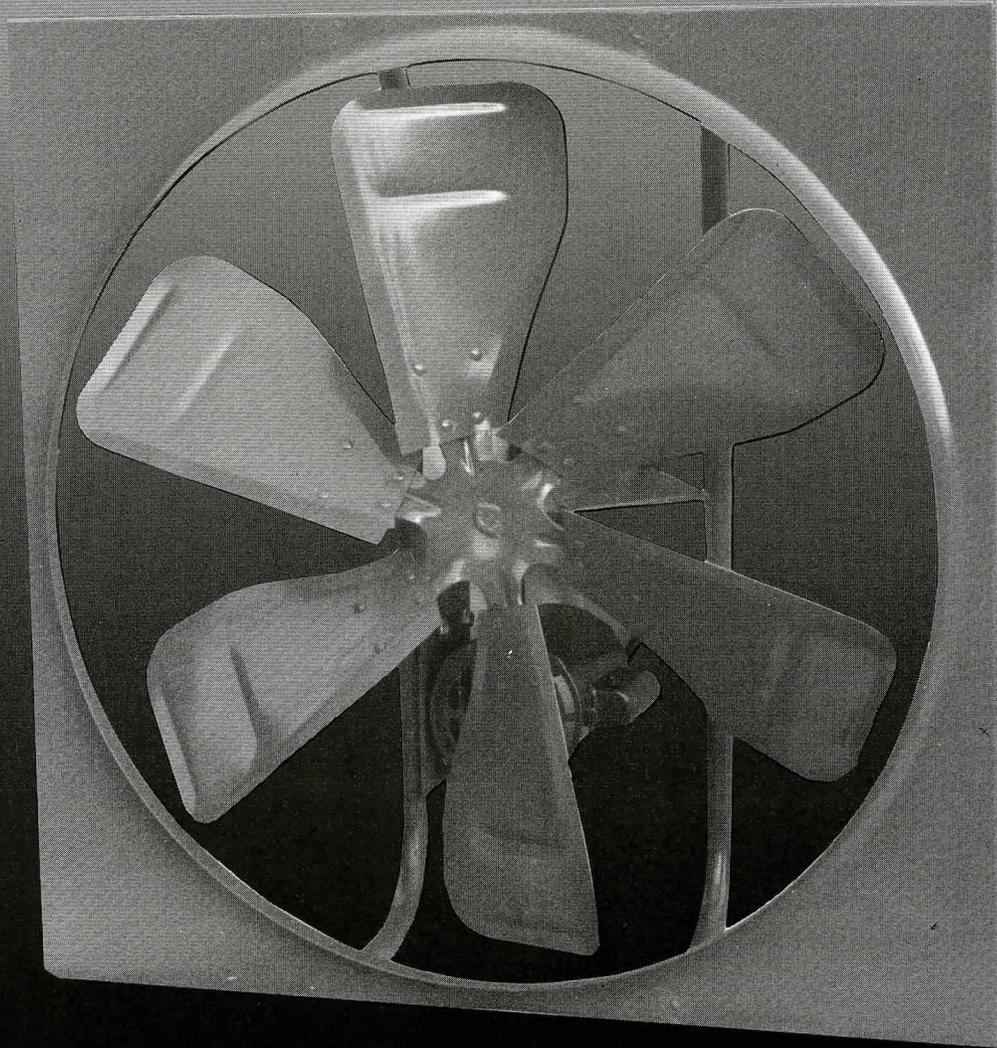


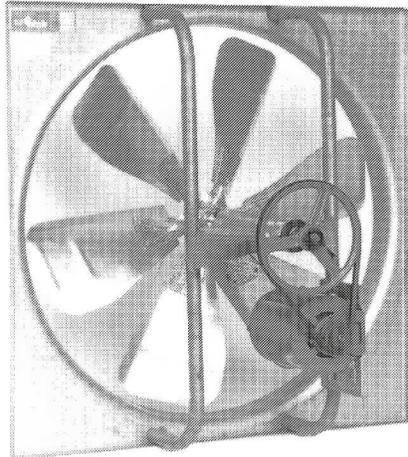
Catalog CS  
October 2004

# Belt Drive Commercial Propeller Fans CS Series



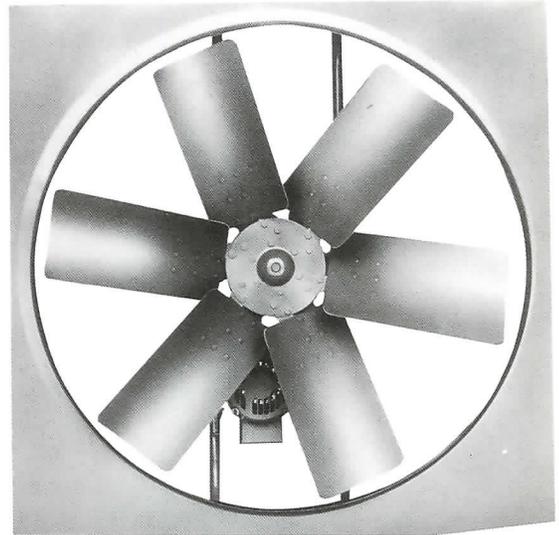
**Q**uietaire

# Quietaire CS Series Fans



## CS SERIES

FOR SUPPLY OR  
EXHAUST AIR DUTY



### FEATURES

#### • APPLICATION

Belt Drive, commercial wall fans are ideally suited for general ventilation applications in stores, warehouses, public buildings, garages, etc.

#### • QUALITY CONSTRUCTION

CS Series fans have rugged, unitized construction with deep spun orifice and tubular motor support arms welded into a single rigid unit. This type of quality construction gives maximum dimensional stability and better overall performance due to the streamlined contours of the fan. The square panel means easy installation for any type service. Balanced steel propellers are die formed to maintain contour and alignment. Blades and shaft are riveted and welded into one rigid assembly.

#### • EFFICIENT PERFORMANCE

CS Series fans are engineered for maximum air delivery at lowest possible sound levels. Balanced flow design propellers and tubular motor supports give smoother air flow to enhance air delivery and reduce noise. These fans are designed for use in all types of applications where quiet efficient performance is demanded.

#### • MOTORS AND DRIVES

Motors are high efficiency and mounted to a slotted motor base to permit belt tensioning. V-belt drives are rated at 1.5 time the motor horse-

power. The drive shaft is mounted in two wide spaced, self aligning prelubricated ball bearings, mounted in die formed housing. Totally enclosed explosion proof and two speed motors are available.

#### • WARRANTY

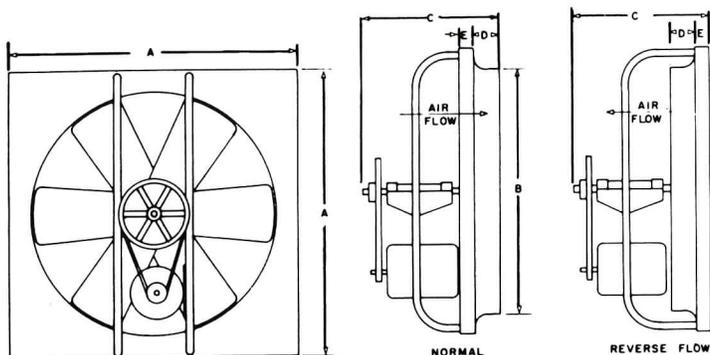
Quietaire Corporation warrants this equipment to be free from defects in material and workmanship for a period of one year from shipping date. Any units or parts which prove to be defective during warranty period will be replaced at our option when returned to our factory, transportation prepaid. The buyer assumes all risks and liability for the results of use of the products. Quietaire will not warranty items which are defective due to faulty handling, installation, or electrical wiring. Quietaire will not warranty equipment damaged in transportation. Equipment damaged in transportation should not be accepted from the carrier.

The motor is warranted by the motor manufacturer for a period of one year. Should the motor prove defective it must be returned to the nearest authorized repair station. Call Quietaire for location.

Quietaire will not be responsible for any installation, removal, or transportation costs of defective material.

Call Factory For Distributor Nearest You!

### FAN DIMENSIONS — CS SERIES



Catalog No.	A	B	C	D	E	Gauges	
						Orifice	Blades
CS 24	28	24 <sup>3</sup> / <sub>4</sub>	18	2 <sup>3</sup> / <sub>4</sub>	1	14 GA.	14 GA.
CS 30	34	30 <sup>3</sup> / <sub>4</sub>	18	2 <sup>3</sup> / <sub>4</sub>	1	14 GA.	14 GA.
CS 36	40	36 <sup>3</sup> / <sub>4</sub>	18	2 <sup>3</sup> / <sub>4</sub>	1	14 GA.	14 GA.
CS 42	46	42 <sup>3</sup> / <sub>4</sub>	18	2 <sup>3</sup> / <sub>4</sub>	1	14 GA.	14 GA.
CS 48	52	48 <sup>3</sup> / <sub>4</sub>	18	2 <sup>3</sup> / <sub>4</sub>	1	14 GA.	14 GA.

Model No.	Blade Size	H.P.	R.P.M.	CAPACITY CFM								MAX B.H.P.
				0'' SP	.05'' SP	.10'' SP	.125'' SP	.1875'' SP	.250'' SP	.375'' SP	.50'' SP	
CS 2433	24''	1/3	634	5678	5350	5021	4814	4083	2908	1303	—	.35
CS 2450		1/2	734	6574	6290	6006	5864	5371	4740	2908	1534	.53
CS 2475		3/4	834	7470	7220	6970	6845	6533	6033	4674	3167	.78
CS 3033	30''	1/3	440	6802	6274	5569	5079	2936	—	—	—	.35
CS 3050		1/2	509	7869	7412	6956	6582	5263	3418	882	—	.55
CS 3075		3/4	578	8936	8534	8131	7930	7106	5757	2886	—	.80
CS 3633	36''	1/3	366	9544	8677	7583	6763	2894	—	—	—	.34
CS 3650		1/2	424	11056	10308	9553	8992	6836	3430	—	—	.53
CS 3675		3/4	482	12569	11911	11253	10924	9709	7481	2202	—	.77
CS 36100		1	540	14081	13494	12907	12613	11720	10619	5508	1752	1.07
CS 4233	42''	1/3	300	11538	10426	8755	7431	2809	—	—	—	.37
CS 4250		1/2	347	13346	12384	11290	10429	6759	3280	—	—	.55
CS 4275		3/4	394	15154	14307	13460	12939	10974	7005	2006	—	.79
CS 42100		1	442	17000	16245	15490	15112	13698	11770	5184	1618	1.10
CS 42150		1 1/2	500	19241	18571	17901	17566	16759	15257	10884	5247	1.81
CS 42200		2	565	21742	21150	20557	20260	19519	18705	16058	10795	2.48
CS 4850	48''	1/2	278	17052	15698	14166	12910	4304	—	—	—	.64
CS 4875		3/4	321	19372	18180	16989	16273	13224	4527	—	—	.91
CS 48100		1	352	21692	20628	19563	19031	17006	13723	2578	—	1.10
CS 48150		1 1/2	406	24418	23473	22527	22392	22054	19140	7217	2390	1.70
CS 48200		2	456	27089	26222	25355	24971	24733	22248	17472	5635	2.30

• **ACCESSORIES**

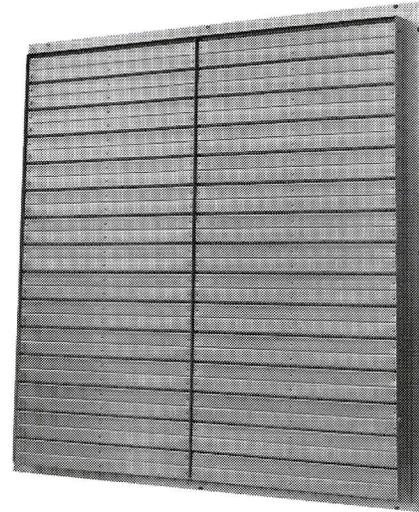
- Wall Sleeves
- Motor side guard
- Blade side guard
- Single phase, three phase, explosion proof or two speed motors
- Supply or exhaust duty
- Wall shutters
- Epoxy coating

• **SPECIAL APPLICATIONS**

For special service fans can be furnished with special protective coatings or made from stainless steel or aluminum per customer's specifications. Prices on request. For hazardous locations, fans can be furnished with explosion-proof motors.

## WALL SHUTTERS FOR SERIES CS FANS WHEN USED WITH MOTOR SIDE GUARD

Wall shutters always open fully because of rigid counter-balanced construction. Tie rods and bearings are placed inside — protected from the elements. All aluminum construction and nylon bearings prevent corrosion. Available in choice of air operated gravity closing, motor operated or hand operated types.



Fan Catalog No.	Wall Shutter Catalog No.			Dimensions			
	Automatic	Motor Operated	Hand Operated	A	B	C	D
CS 24	HD 27	HDE 27	HDM 27	27	30¼	6	7
CS 30	HD 33	HDE 33	HDM 33	33	36¼	6	8
CS 36	HD 39	HDE 39	HDM 39	39	42¼	6	10
CS 42	HD 45	HDE 45	HDM 45	45	48¼	6	11
CS 48	HD 51	HDE 51	HDM 51	51	54¼	6	13

1. Dimensions C-6" Clearance for motor on HDE motor operated shutters.
2. Dimension D indicates minimum recommended distance between fan panel and shutter.

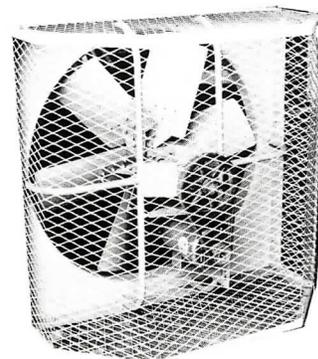
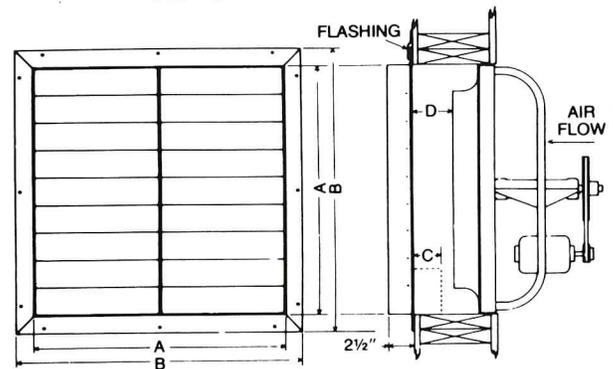
## PROTECTIVE GUARDS FOR CS FANS

Drive side guards are fabricated of 1½" mesh industrial expanded metal, welded to angle frames to meet all normal safety requirements, and painted to match the fans. Front guards are constructed of heavy gage wire.

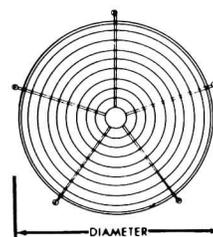
### GUARD DIMENSIONS

Fan Catalog No.	Drive Side Guard		Front Guard Diameter
	A	B	
CS 24	28	20	26
CS 30	34	20	32
CS 36	40	20	38
CS 42	46	20	44
CS 48	52	20	50

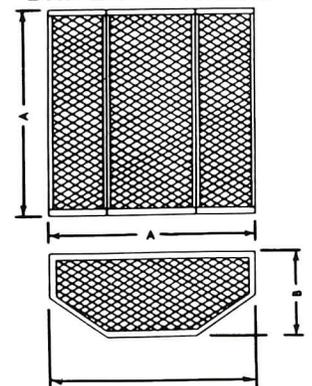
### AUTOMATIC SHUTTER



### FRONT GUARD



### DRIVE SIDE GUARD



**Quietaire**

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