

Air Circulators

High Volume, High Velocity Industrial Air Cannons

Heavy-duty construction is ideal for dependable service in severe operating conditions such as foundries, steel mills, and factories. The ceiling mount design is available in all sizes. The unit rotates and pivots for position adjustment from a steel column or ceiling beam.

Features and specifications

- Designed for dependable service in severe operating conditions such as factories, steel mills and foundries
- Front and rear guards comply with OSHA Standard 1910.212, 1/2" max. opening requirement
- Two position non-tipping stand provides a low and medium fan height
- Welded steel housing has gray polyester finish and can be adjusted to control air direction
- Cast aluminum propellers are spark resistant

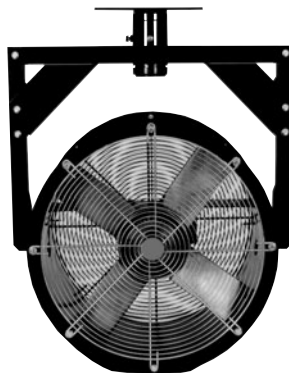
- Totally enclosed ball bearing motors rated for continuous duty
- Factory wired 2 ft. long pigtail (SJOW) is provided for hard wiring of the fan
- Optional Accessories: Optional stand with casters offers additional height and mobility for floor units (3HV201PB). Optional wall/column mounting bracket used when installing a ceiling mount high-volume industrial fan to a wall or vertical column (3HV201WB)

Accessories (available separately)

- For more information, see Air Circulator Accessories.
- Open and closed floor pedestal stand.
- Wall/ceiling bracket.
- Suspension bracket.
- I-Beam mount.



Floor Mount

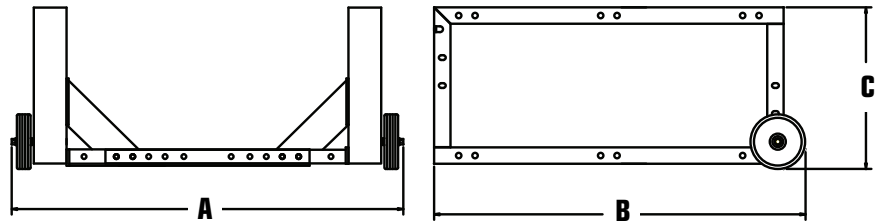


Ceiling Mount

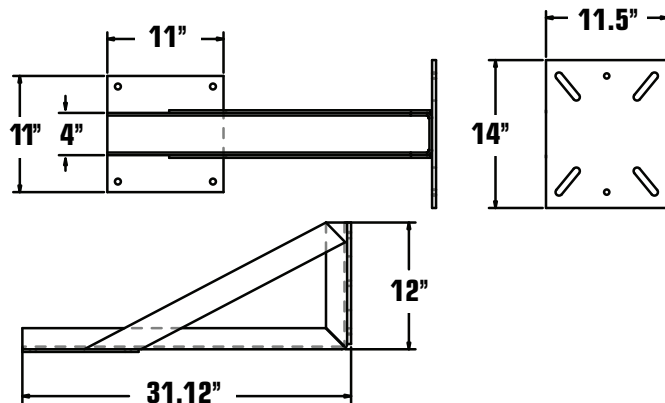
Model No.	Size (In.)	Dimensions (In.)		
		A	B	C
3HV201PB	18	32-7/8	34	14-13/16
	24	32-7/8	34	14-13/16
	30	42-1/16	34	14-13/16
	36	48-1/8	34	14-13/16



Booster Stand

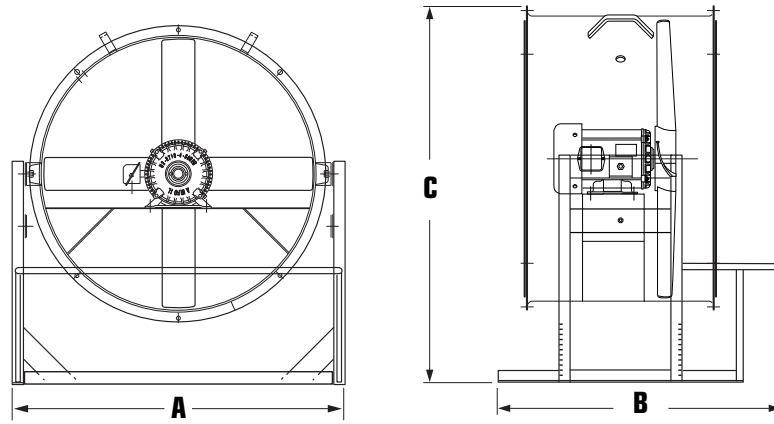


Wall/Column Bracket

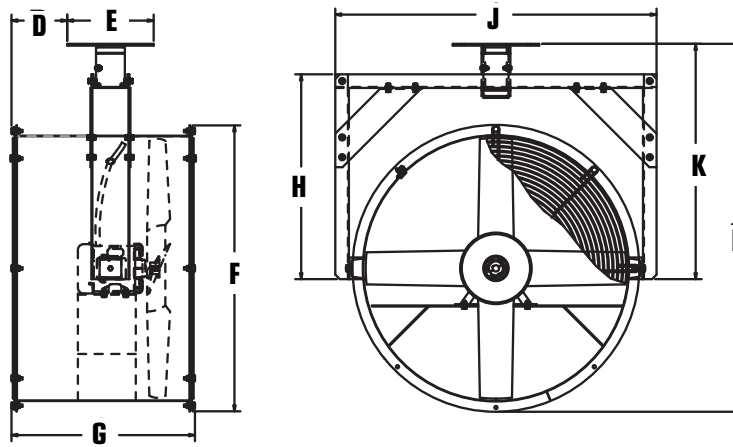


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Floor Mount



Ceiling Mount

Model No.	Prop. Dia. (In.)	Floor Mount Dimensions (In.)			Ceiling Mount Dimensions (In.)							
		A	B	C	D	E	F	G	H	J	K	L
3HV218	18	26-1/4	36-7/8	31-3/4	4-11/16	12	21-1/2	21-3/8	22-7/8	26-1/4	27-1/16	36-1/4
3HV224	24	32-3/16	36-7/8	34-3/4	5-11/16	12	27-3/8	23-3/8	22-7/8	32-1/4	27-1/16	39-1/4
3HV230	30	37-7/16	36-7/8	37-13/16	5-11/16	12	33-5/8	23-3/8	28-1/2	38-1/2	32-5/8	47-7/8
3HV236	36	44-7/16	36-7/8	40-7/8	6-3/4	12	39-1/2	25-3/8	28-7/16	44-1/2	32-5/8	50-7/8

Floor Mount Model No.	Ceiling Mount Model No.	Prop. Dia. (In.)	CFM	HP	RPM	DB@ 10'	Volts	Phase	Oper. Amps	Ship Wt. (lbs.)	Vel. Chart
3HV218B2F*	3HV218B2C*	18	2773	1/4	1750	65	115/230	1	4.2/2.1	156	O
3HV218BYF	3HV218BYC	18	2792	1/4	1750	65	208-220/440	3	1.0/0.6	156	O
3HV224C2F*	3HV224C2C*	24	4684	1/3	1140	67	115/230	1	6.4/3.2	198	P
3HV224F2F*	3HV224F2C*	24	6995	1	1725	75	115/230	1	13.0/6.5	204	Q
3HV224FYF	3HV224FYC	24	6949	1	1725	75	208-220/440	3	3.3/1.6	200	Q
3HV230H2F*	3HV230H2C*	30	10362	2	1725	82	115/230	1	14.5/7.2	290	R
3HV230HYF	3HV230HYC	30	10029	2	1740	82	208-220/440	3	5.0/2.4	272	R
3HV236F2F*	3HV236F2C*	36	11391	1	1140	79	115/230	1	10.7/5.5	318	S
3HV236FYF	3HV236FYC	36	11418	1	1140	79	208-230/440	3	3.9/1.9	328	S
3HV236HYF	3HV236HYC	36	15053	2	1150	79	208-230/440	3	6.4/3.2	328	T

* Automatic reset thermal protection.

Air Circulators

Air Velocity/Axial Throw Profiles

The air velocity profiles shown below are graphical illustrations of how far a circulator will move the air and the speed of the airflow expressed in feet per minute (FPM).

Industrial Air Circulators

Chart A

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	Distance from Fan (Ft.)		
			40	60	80	
3IND20B1E	20"	High/Low	417/265	201/120	—/—	—/—
3IND20B1Q	20"	High/Low	417/265	201/120	—/—	—/—
3IND20B1R	20"	High/Low	417/265	201/120	—/—	—/—

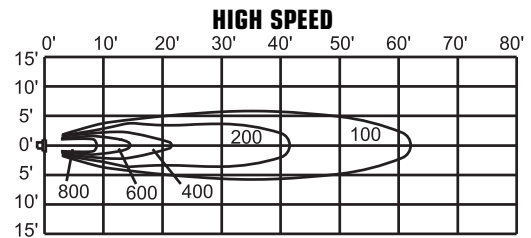


Chart B

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	Distance from Fan (Ft.)		
			40	60	80	
3IND24B1E	24"	High/Low	517/313	187/167	132/49	—/—
3IND24B1Q	24"	High/Low	517/313	187/167	132/49	—/—
3IND24B1R	24"	High/Low	517/313	187/167	132/49	—/—

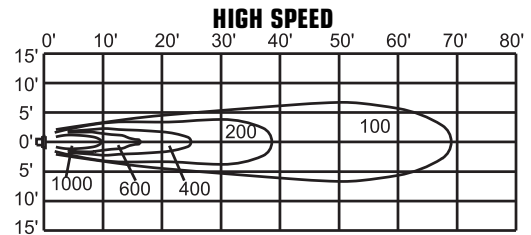


Chart C

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	Distance from Fan (Ft.)		
			40	60	80	
3IND30D1E	30"	High/Low	769/667	341/319	233/161	—/—
3IND30D1Q	30"	High/Low	769/667	341/319	233/161	—/—
3IND24D1R	30"	High/Low	769/667	341/319	233/161	—/—

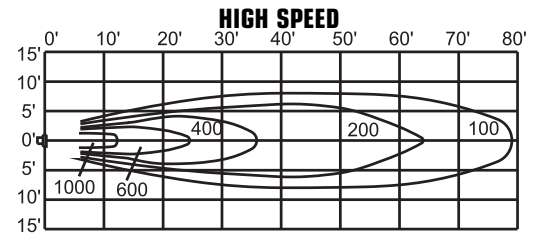


Chart D

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	Distance from Fan (Ft.)		
			40	60	80	
3IND20B1A	20"	High/Low	400/350	190/180	90/85	—/—

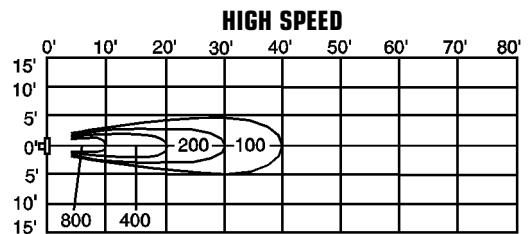
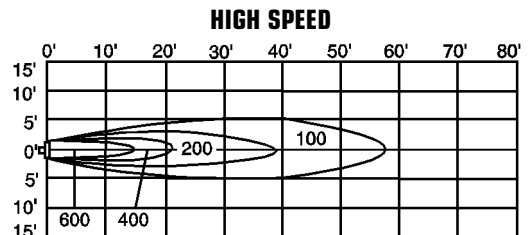


Chart E

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	Distance from Fan (Ft.)		
			40	60	80	
3IND24B1A	24"	High/Low	410/325	185/145	80/60	—/—



Air Circulators

Air Velocity/Axial Throw Profiles

The air velocity profiles shown below are graphical illustrations of how far a circulator will move the air and the speed of the airflow expressed in feet per minute (FPM).

Industrial Air Circulators (Continued)

Chart F

Model No.	Prop. Dia. (in.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3IND30D1A	30"	High/Low	710/650	340/310	175/160	—/—

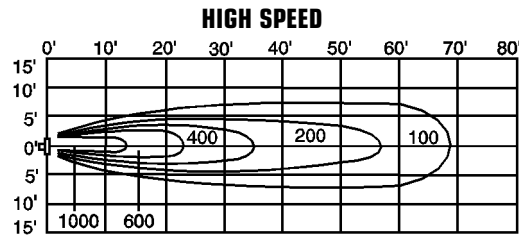


Chart G

Model No.	Prop. Dia. (in.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3SPC24B4G	24"	1725	445	290	95	—
3SPC24B5G	24"	1725	445	290	95	—

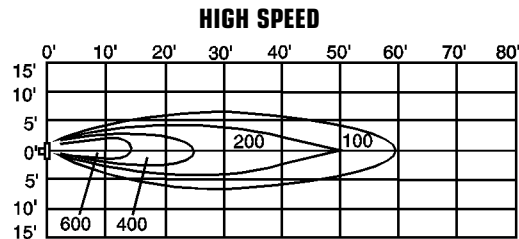


Chart H

Model No.	Prop. Dia. (in.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3IND24B7G	24"	1725	585	275	155	—

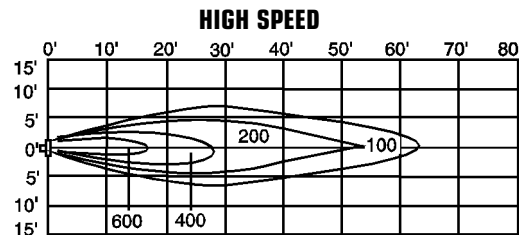


Chart I

Model No.	Prop. Dia. (in.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3SPC30D4G	30"	1075	750	310	180	—
3SPC30D5G	30"	1075	750	310	180	—

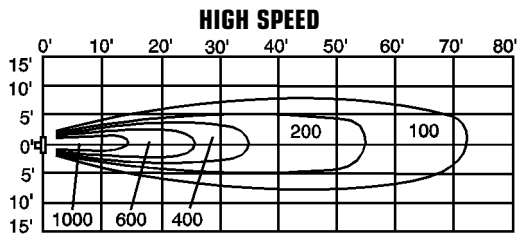
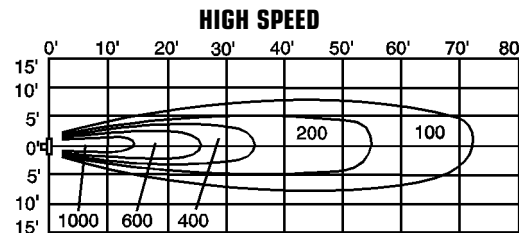


Chart J

Model No.	Prop. Dia. (in.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3IND30D7G	30"	1075	750	310	180	—
3SPC30D2G	30"	1075	750	310	180	—



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Air Velocity/Axial Throw Profiles

The air velocity profiles shown below are graphical illustrations of how far a circulator will move the air and the speed of the airflow expressed in feet per minute (FPM).

High Volume, High Velocity Air Cannons (Continued)

Chart P

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3HV224C2F	24"	1140	530	350	240	140
3HV224C2C	24"	1140	530	350	240	140

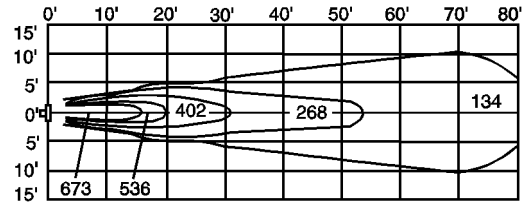


Chart Q

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3HV224F2F	24"	1725	790	520	360	220
3HV224FYF	24"	1725	790	520	360	220
3HV224F2C	24"	1725	790	520	360	220
3HV224FYC	24"	1725	790	520	360	220

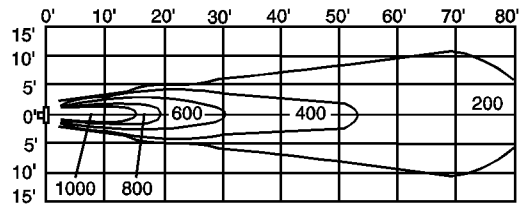


Chart R

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3HV230H2F	30"	1725	1160	760	520	320
3HV230HYF	30"	1740	1160	760	520	320
3HV230H2C	30"	1725	1160	760	520	320
3HV230HYC	30"	1740	1160	760	520	320

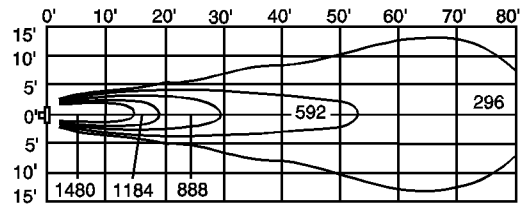


Chart S

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3HV236F2F	36"	1140	1280	840	580	350
3HV236FYF	36"	1155	1280	840	580	350
3HV236FYC	36"	1155	1280	840	580	350
3HV236F2C	36"	1140	1280	840	580	350

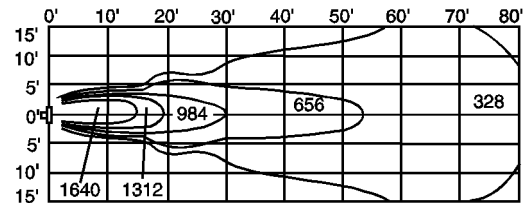
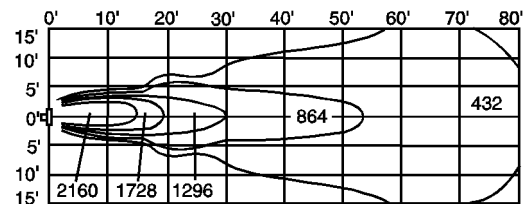


Chart T

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3HV236HYF	36"	1150	1690	1110	760	460
3HV236HYC	36"	1150	1690	1110	760	460



Air Circulators

Air Velocity/Axial Throw Profiles

The air velocity profiles shown below are graphical illustrations of how far a circulator will move the air and the speed of the airflow expressed in feet per minute (FPM).

Special Purpose Circulators

Chart U

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3SPC20B2G	20"	1138	580	240	155	75

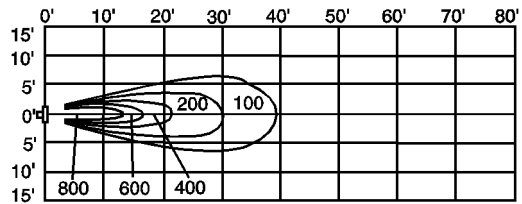


Chart V

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3SPC24C2G	24"	1718	735	245	170	135

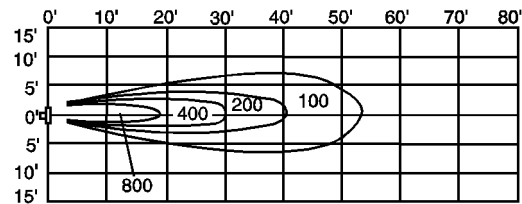


Chart W

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3SPC24BLG	24"	1176	520	280	200	125

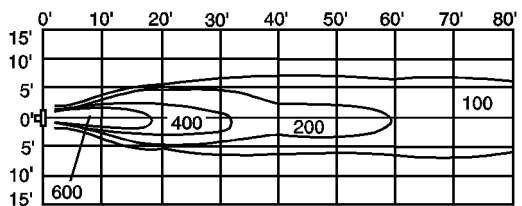


Chart X

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3SPC30ELG	30"	1150	835	385	295	260

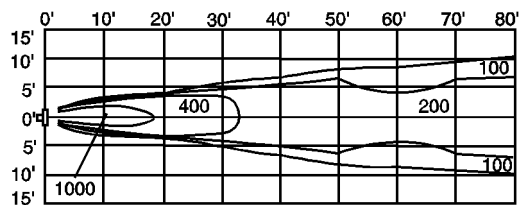
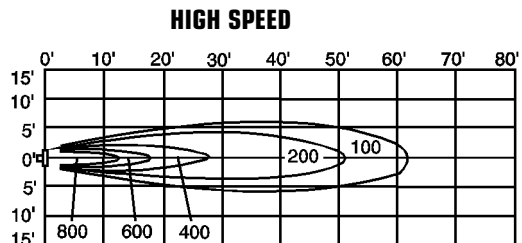


Chart Y

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			10	20	40	60
3YLW24B1H	24"	High/Low	940/660	520/365	265/185	120/85



Air Circulators

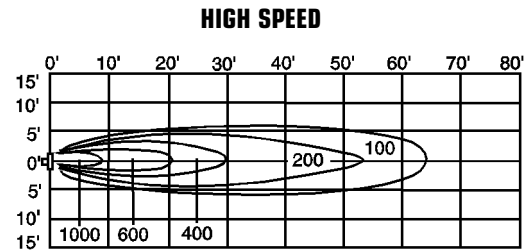
Air Velocity/Axial Throw Profiles

The air velocity profiles shown below are graphical illustrations of how far a circulator will move the air and the speed of the airflow expressed in feet per minute (FPM).

Special Purpose Circulators (Continued)

Chart Z

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			10	20	40	60
3YLW30B1H	30"	High/Low	865/465	615/330	320/—	140/—



High Volume, High Velocity Air Cannons

Chart O

Model No.	Prop. Dia. (In.)	Fan Speed	Air Penetration (FPM)			
			20	40	60	80
3HV218B2F	18"	1725	440	240	100	—
3HV218BYF	18"	1725	440	240	100	—
3HV218B2C	18"	1725	440	240	100	—
3HV218BYC	18"	1725	440	240	100	—

