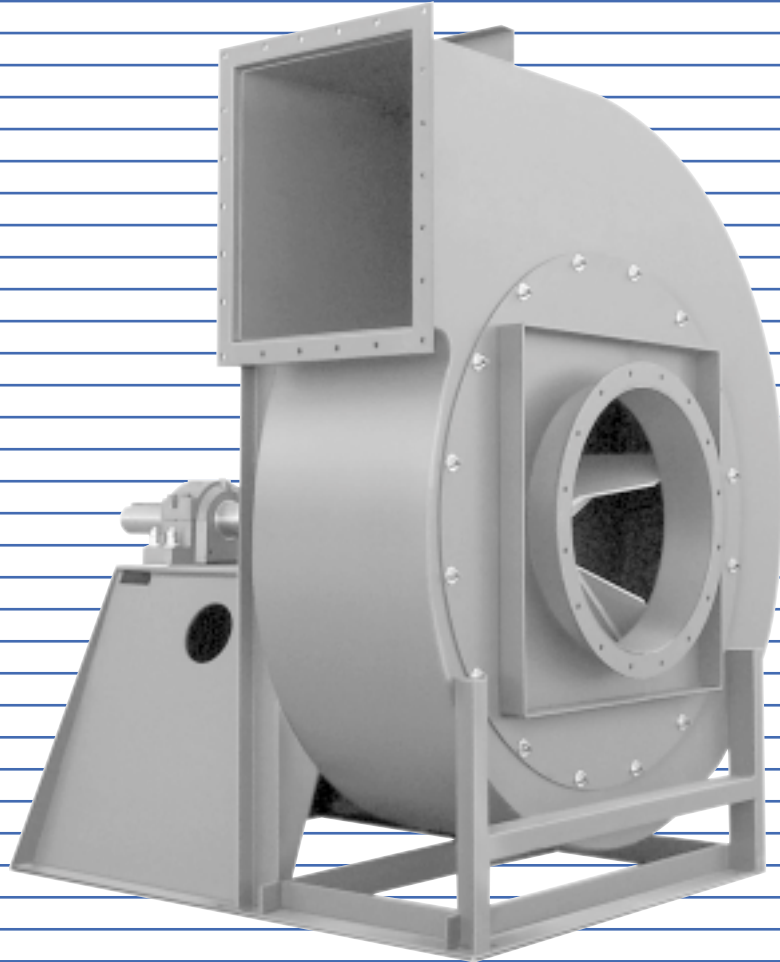


# Series 6600 Industrial Centrifugal Fans

**Model 45**

**Designs 6610, 6620, 6640 & 6650**



## Series 6600 • Model 45 Industrial Centrifugal Fans

The Series 6600 Industrial Centrifugal fans are reliable, heavy duty, rugged fans suitable for a wide range of industrial applications. This bulletin contains information on industrial fans suitable for applications requiring performance to approximately 45" SP, at standard conditions. For performance to 22" SP, refer to Bulletin 6622-1, and for performance to 32" SP, refer to Bulletin 6632-1. For dimensional drawings, refer to Bulletin 6600-1. Consult your Northern Blower sales representative for assistance with custom Industrial Centrifugal fan selections.

### Industrial supply and exhaust applications

Induced Draft	Baghouses
Boilers	Cyclones
Incinerators	Precipitators
Kilns	Scrubbers
Furnaces	Dryers
Ovens	

Design Features	2
General Information	3
Drive Configurations	5
Accessories	6
Selection	8
Fan Geometry	9
Performance Data	10
Fan Arrangements	32



CML Northern Blower Inc. certifies that the following fan designs/sizes are licensed to bear the AMCA seal:  
Series 6600, Design 6610 LS, Sizes 13-41 pages 10-15, and  
Series 6600, Design 6650 AH, Sizes 13-41 pages 26-41.

**Note:**

Series 6600, Design 6620 AM, Sizes 13-41 pages 16-21, and  
Series 6600, Design 6640 WF-PT, Sizes 11-26 pages 22-25,  
are not licensed to bear the AMCA seal. The ratings shown are  
based on tests and procedures performed in accordance with  
AMCA publication 211 and comply with the requirements of the  
AMCA Certified Ratings program.

**Housing**

Rugged heavy gauge all welded steel housing with substantial framing sections for maximum rigidity. Housing are rotatable and reversible for the size ranges shown in the general information section. Outlet areas conform to AMCA standard 2402-66 for industrial fans.

**Industrial Wheel**

Range of wheel choices, depending on the severity of the application, for rugged, dependable operation. Wheel diameters conform to AMCA standard 2402-66 for industrial fans.

**Balancing**

Wheels are dynamically balanced to ANSI S2.19-1989 specifications for smooth operation.

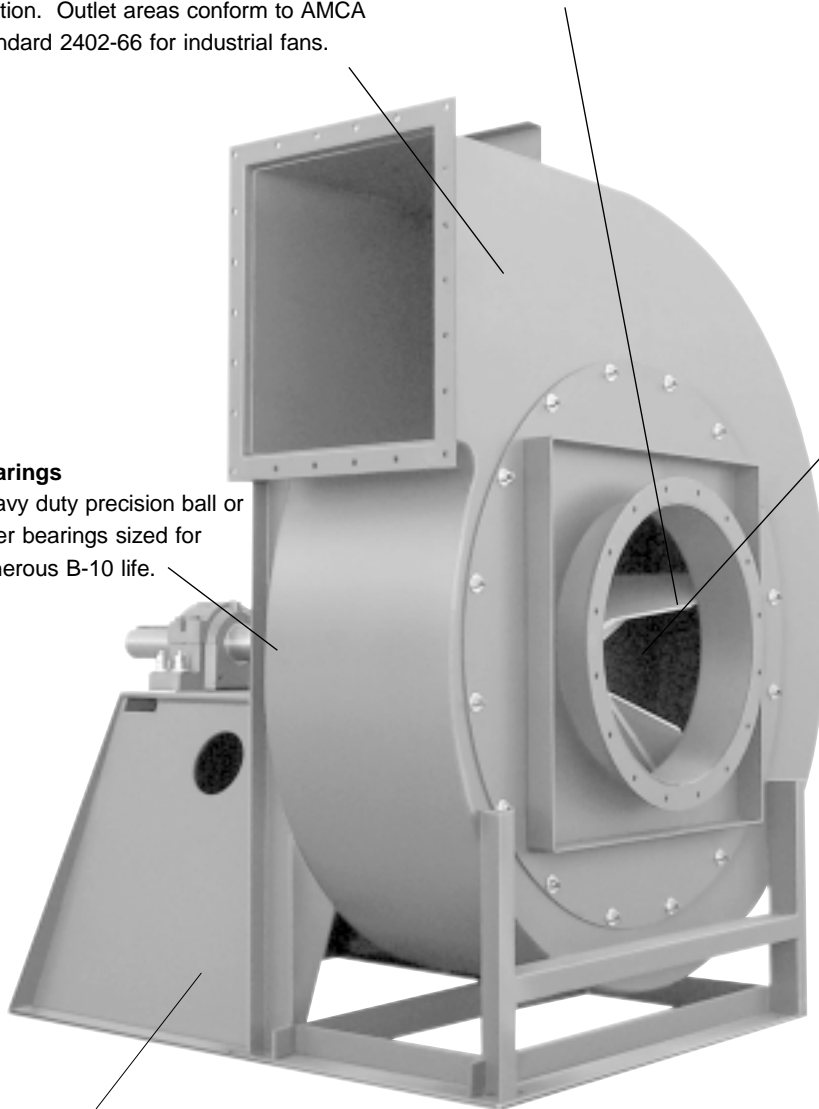
**Shafts**

Turned ground and polished or fully machined to close dimensional tolerance.

**Bearings**

Heavy duty precision ball or roller bearings sized for generous B-10 life.

**Heavy Duty  
Structural Bearing Pedestal**



## Shafts and Bearings

### Shafts

Selected to have suitable strength and operate well below the first critical speed for each maximum class condition.

### Bearings

Antifriction, grease lubricated, self aligning ball or roller types, solid or split housing, manufactured to internationally adopted standards by companies having worldwide acceptance and support services. Bearings are selected for continuous belt driven operation with a generous bearing life throughout each full class range.



## Classes of Construction

### Model 45

Design	Fan Size	Arrangements
6610 LS	13 - 21	1, 8, 9, 9F
6610 LSR	23 - 41	1, 8, 9, 9F
6620 AM	13 - 21	1, 8, 9, 9F
6620 AM	23 - 41	1, 8, 9, 9F
6630 WF	—	—
6630 WF	—	—
6640 WF-PT	11 - 21	1, 9, 9F
6640 WF-PT	23 - 26	1, 9, 9F
6650 AH	13 - 21	1, 8, 9, 9F
6650 AH	23 - 41	1, 8, 9, 9F

## Capacities

1,500 CFM to 68,000 CFM

## Pressures

Model 45 46" S.P.

Model 45 32" S.P. (Design 6640 WF-PT only)

## Temperatures

Operating Temperatures to 800° F

See Table 2, Page 8

## Series 6600 Wheels

The performance of all Series 6600 wheels is stable throughout the operating range. The Design 6650 AH wheel has the highest peak efficiency.

### Design 6610 LS Sizes 13 to 21

The flat radial-blade wheel design is extremely rugged with heavy gauge steel components. Suitable for material conveying applications with coarse material, heavy or abrasive dust. The LS wheel provides stable air flow through all points of operation, from wide open to shutoff.



### Design 6610 LSR Sizes 23 to 41

The LSR wheel is similar to the LS wheel with the addition of rims. The rimmed construction is standard for the size range shown. Suitable for material conveying applications with coarse material, heavy or abrasive dust.



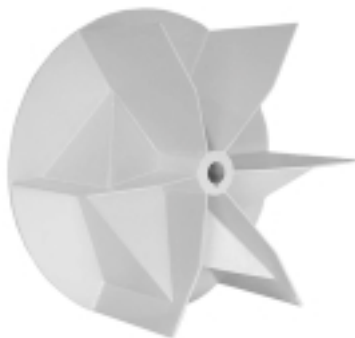
### Design 6620 AM Sizes 11 to 26

The rugged radial-blade, tapered-sideplate wheel is designed for strength, wear resistance and efficiency. The wheel is suitable for moderate dust loading applications more severe than the AH wheel. The airflow is stable throughout the operation range.



### Design 6640 WF-PT Sizes 11 to 26

The flat radial-blade wheel is designed with a backplate to prevent material from wrapping around the spider and blades. The wheel is not designed for continuous lengths of paper. The rugged duty version of the WF wheel is suitable for high density bulk material such as corrugated paper trim or wood chips.



### Design 6650 AH Sizes 13 to 41

The efficient tapered-sideplate is designed for relatively clean air applications. The wheel is constructed of heavy gauge components including blade and sideplate reinforcements on larger size wheels. Suitable for fume or vapour exhaust applications that do not contain large particles or sticky material. The airflow is stable throughout the operation range.



## Belt Drive

Series 6600 Industrial fans operate in harsh systems with large horsepower requirements. Motor sizes are limited to the maximum horsepower limits listed in the accompanying table.

Belt drives are carefully selected by Northern Blower to minimize shaft stress and increase bearing life.

On customer selected belt drives, consult with the motor manufacturer for the motor sheave minimum diameter and maximum width, on motors 125 HP and larger.

## Direct Drive

Direct drive arrangements are suitable if the system pressure requirements are known and changes to the system are not expected. The advantage is that belt drive horsepower losses and belt maintenance are eliminated.

The shafts and bearings selected by Northern Blower operate to these limits with a generous B-10 life.

### Model 45

Motor Horsepower Limits by Design				
Size	Arrangement 1 Belt Drive			
	6610 LS 6610 LSR	6620 AM	6640 WF-PT	6650 AH
11	-	-	40	-
13	100	100	60	100
15	125	125	75	125
17	150	150	100	150
19	200	200	125	200
21	250	250	150	250
23	250	250	200	250
26	350	350	200	350
29	350	350	-	350
33	350	350	-	350
37	350	350	-	350
41	350	350	-	350
45	350	350	-	-
49	350	350	-	-

### Vibration Isolation Base

Rigid steel frame to provide a common mounting platform for fan and motor. May be ordered with spring isolators and motor slide base.



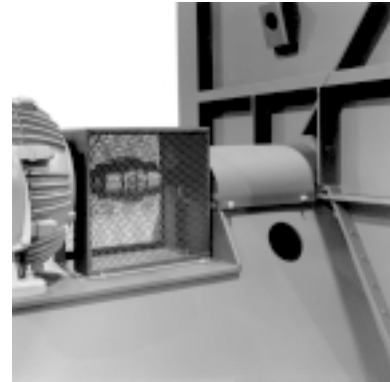
### Inlet Box/ Inlet Box Damper

An Inlet Box provides smooth aerodynamic airflow into the fan inlet. The Inlet Box is designed as a bolt-on accessory to the fan. Inlet Dampers also are available in conjunction with the Inlet Box for efficient air volume control.



### Coupling/ Shaft and Bearing Guard

The coupling guard encloses the coupling from the face of the motor to the outboard bearing. The Shaft and Bearing Guard encloses the shaft and bearings from the inboard bearing to just beyond the outboard bearing.



### Raised Access Door

Access door raised 6" beyond scroll surface to provide room for insulation on exterior of fan housing. Insulated door plug surface is flush with inside of housing scroll.



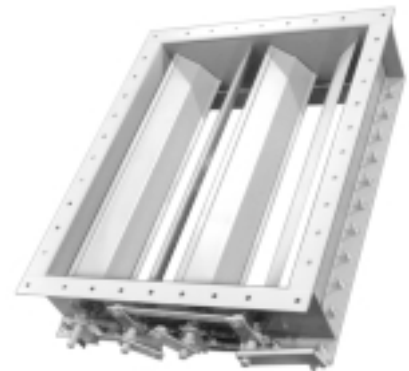
### Hinged Quick Release Access Door

The Hinged option adds hinges to the standard Quick Release Access Door. Both the standard and Hinged Quick Release Access Doors are mounted flush to the fan scroll and are secured with quick release handles.



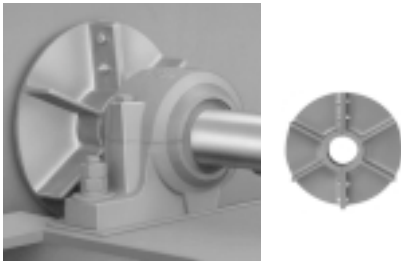
### Outlet Damper

Outlet Dampers are the least expensive air volume control device. Northern Blower Outlet Dampers have punched flanges on both ends to allow for convenient fan and duct connections. Outlet Dampers are available for operating temperatures to 800°F.



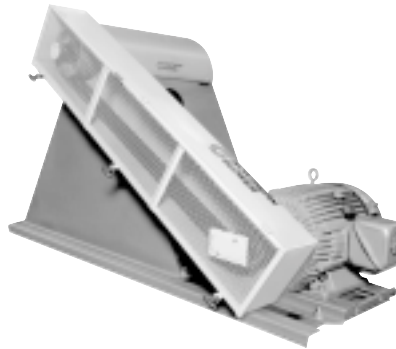
### Cooling Wheel

Split aluminum wheel mounted between the inboard bearing and the fan housing. Protects the inboard bearing from shaft conveyed heat and housing radiated heat. Supplied with protective guard as standard. Required for high temperature application; see Page 8.



### Belt Guard

Enclosed on all sides, for safe operation, with a mesh cover and quick release fasteners. Tachometer holes and safety color coatings also available.



### Variable Inlet Vanes

Variable Inlet Vanes provide accurate volume control with minimal reduction in performance efficiency. Fan performance remains stable through fully open to fully closed positions. Available for both manual and automatic operation to temperatures of 300°F. Special design available for temperatures to 650°F. Available for Designs 6610 LS, 6620 AM and 6650 AH with relatively clean airstreams.



### Flanged Inlet/ Flanged Outlet

Punched flanges to facilitate the bolting of duct connections to the fan inlet and outlet.



### Shaft Seal

Used to reduce leakage through the shaft hole in the housing. Seal material of aluminum, brass, or compressed non-asbestos gasket sheet, depending on fan application.



### Additional Accessories

- Spark Resistant Construction
- Protective Coatings
- Split Housing
- Special Metals
- Drain Opening
- High Temperature Construction
- Extended Grease Fittings
- Insulation Clips
- Split Pillow Block Bearings
- Mounted Drive Package
- Inlet Screen

Further information on custom fans is available from your Northern Blower sales representative.

# Fan Selection at Elevated Temperature and Altitude

## Fan Selection Table

Ratings shown in the Performance Tables are based on standard air density of .075 pounds per cubic foot at the fan Inlet. Standard air is dry air at 70°F and 29.92" Hg barometric pressure. When air density varies from standard, due to temperature or altitude changes, the Air Density Correction Factor from Table 3 is applied. Refer to the sample selection on page 9.

Note that data in the selection tables does not include the effects of accessories such as inlet dampers, inlet boxes, outlet dampers, or other components in the air stream.

## High Temperature

High temperature operating limits are 300°F without a cooling wheel and 800°F with a cooling wheel and shaft seal. For selection, both fan performance and physical operating limits must be corrected. Refer to the sample selection on page 9.

Table 1

Maximum Speeds at 70°F (by Design)				
Size	6610 LS/LSR	6620 AM	6640 WF-PT	6650 AH
11	—	—	4108	—
13	4076	4088	3445	4095
15	3564	3509	2988	3509
17	3099	3114	2600	3094
19	2778	2792	2333	2778
21	2556	2544	2124	2512
23	2315	2321	1925	2292
26	2043	2056	1710	2032
29	1835	1857	—	1828
33	1612	1623	—	1594
37	1439	1427	—	1424
41	1299	1294	—	1287
45	1172	1165	—	—
49	1072	1044	—	—

Table 2

High Temperature Operating Limits			
Arrangement	Without Cooling Wheel	With Cooling Wheel	With Cooling Wheel and Shaft Seal
1 SW	300°F	650°F	800°F
8 SW	300°F	650°F	800°F
9, 9F SW	300°F	650°F	650°F

Table 3

Air Temp°F	Air Density Correction Factor						
	Elevation (Feet) above Sea Level						
	0	500	1000	2000	3000	4000	5000
0	.87	.88	.90	.93	.97	1.00	1.04
70	1.00	1.02	1.04	1.08	1.12	1.16	1.20
100	1.06	1.08	1.10	1.14	1.18	1.22	1.27
200	1.25	1.27	1.29	1.34	1.39	1.44	1.50
300	1.43	1.46	1.49	1.54	1.60	1.66	1.72
400	1.62	1.65	1.68	1.75	1.81	1.88	1.95
500	1.81	1.84	1.88	1.95	2.02	2.10	2.18
600	2.00	2.04	2.07	2.15	2.23	2.32	2.40
700	2.19	2.23	2.27	2.35	2.44	2.53	2.63
800	2.38	2.42	2.46	2.56	2.65	2.75	2.86

Table 4

Temp °F	Safe Speed Deration Factors (by Design)				
	6610 LS/LSR			6610 LS/LSR	6620 AM
	Mild Steel	Stainless Steel 304L	Stainless Steel 316L	High Strength Low Alloy Steel	
-50 to 70	1.00	1.00	1.00	1.00	1.00
100	0.98	0.99	0.98	1.00	1.00
200	0.93	0.96	0.91	1.00	1.00
300	0.89	0.92	0.87	1.00	1.00
400	0.86	0.88	0.83	1.00	1.00
500	0.82	0.84	0.80	1.00	0.98
600	0.79	0.81	0.77	1.00	0.95
700	0.76	0.78	0.74	1.00	0.93
800	0.68	0.75	0.72	1.00	0.87

Table 5

Temp °F	Safe Speed Deration Factors (by Design)		
	6640 WF-PT & 6650 AH	6640 WF-PT	
	High Strength Low Alloy Steel	Stainless Steel 304L	Stainless Steel 316L
-50 to 70	1.00	0.80	0.80
100	0.99	0.79	0.78
200	0.97	0.77	0.73
300	0.96	0.74	0.70
400	0.95	0.70	0.66
500	0.93	0.67	0.64
600	0.90	0.65	0.62
700	0.88	0.62	0.59
800	0.83	0.60	0.58

**Sample Selection of a Belt Drive Fan**

Select a Design 6610 LS fan for the operating conditions of 11,500 CFM at 24" SP, 200°F and 5000 feet elevation.

- 1) Multiply the Operating SP by the Air Density Correction Factor (Table 3) to obtain Equivalent SP:

$$\text{Equivalent SP} = \text{Operating SP} \times \text{Air Density Corr. Factor} = 24" \times 1.50 = 36"$$

- 2) From the Performance Tables, select the fan size. For 11,500 CFM at 36" SP an efficient selection would be a size 21 fan. Interpolating from the Performance Table given on page 12, the selected fan performance is 2203 RPM and 105.1 Equivalent BHP at standard temperature and pressure.

- 3) Divide the Equivalent BHP by the Air Density Correction Factor to obtain the Operating BHP:

$$\text{Operating BHP} = \frac{\text{Equivalent BHP}}{\text{Air Density Correction Factor}}$$

$$= \frac{105.1}{1.50} = 70.1 \text{ BHP}$$

- 4) Multiply the Maximum Speed at 70°F values (Table 1) by the Safe Speed Deration Factor (Table 4). For fan size 21, the maximum speed at 200°F is:

$$\text{Maximum Speed} = 2556 \times 0.93 = 2377 \text{ RPM}$$

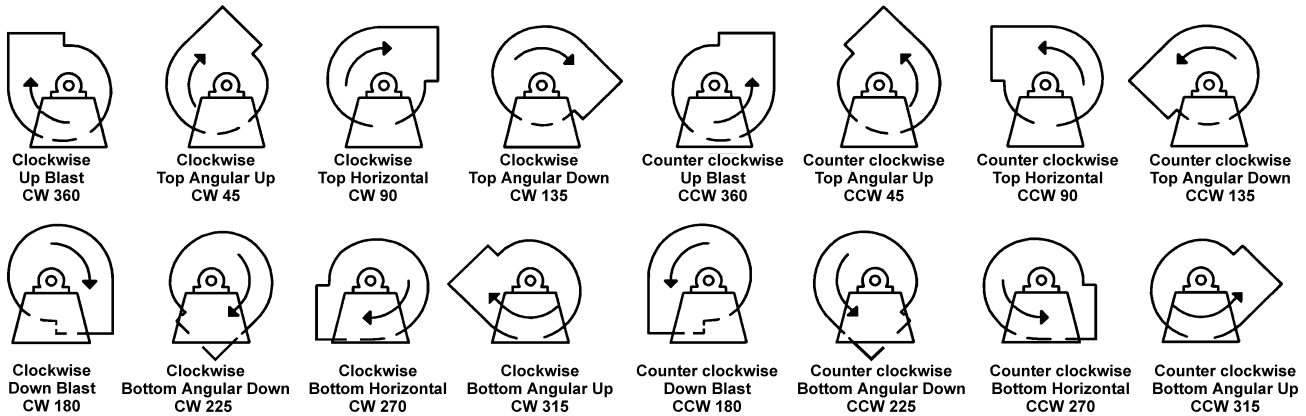
Since the fan selection speed of 2203 RPM is below the maximum allowable wheel and shaft speed, the fan is a suitable selection.

Fan Geometry

**Series 6600 Fan Dimensions**

Refer to Bulletin 6600-1 for dimensional drawings.

**Designations for Rotation and Discharge of Centrifugal Fans**



**Notes:**

- 1) Direction of rotation is determined from the drive side of the fan.
- 2) On single inlet fans, the drive side is always considered as the side opposite the fan inlet.
- 3) On double inlet fans with drives on both sides, the drive side is that with the higher powered drive unit.
- 4) Direction of discharge is determined in accordance with the diagrams. Angle of discharge is referred to the vertical axis of the fan and designated in degrees from such standard reference axis. Angle of discharge may be any intermediate angle as required.
- 5) For a fan inverted for ceiling suspension, or side wall mounting, the direction of rotation and discharge is determined when the fan is resting on the floor.

Size  
**13** SISW



Wheel Diameter = 22.625 in.  
Outlet Area = 0.93 sq. ft. inside  
Tip Speed, fpm = 5.92 x RPM

Model 45 Maximum RPM 4076<sup>†</sup>  
Maximum Belt Drive Motor HP 100

**Design 6610 LS Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	3242	3254	26.4	3305	27.4	3358	28.4	3459	30.5	3547	32.5	3641	34.6	3740	36.9	3822	38.9	3902	41.0	3986	43.2
3100	3350	3265	27.2	3311	28.1	3359	29.1	3459	31.2	3559	33.4	3644	35.3	3733	37.4	3828	39.8	3915	42.0	3991	44.1
3200	3458	3263	27.8	3318	28.8	3369	29.9	3460	31.8	3557	34.0	3657	36.3	3738	38.3	3823	40.4	3913	42.8	4006	45.3
3300	3566	3268	28.4	3317	29.4	3368	30.5	3471	32.7	3559	34.7	3652	36.9	3750	39.3	3830	41.4	3912	43.5	3998	45.9
3400	3674	3277	29.2	3325	30.2	3372	31.2	3470	33.4	3570	35.7	3655	37.7	3744	39.9	3839	42.4	3921	44.6	3999	46.7
3500	3782	3277	29.8	3329	30.9	3384	32.1	3473	34.1	3569	36.3	3666	38.7	3748	40.8	3835	43.1	3926	45.5	4010	47.9
3600	3890	3283	30.6	3332	31.6	3382	32.7	3484	35.0	3572	37.1	3664	39.4	3761	41.9	3840	44.0	3923	46.3	4011	48.8
3700	3998	3290	31.3	3341	32.4	3387	33.5	3483	35.7	3582	38.1	3667	40.2	3757	42.6	3852	45.1	3929	47.3	4010	49.6
3800	4106	3293	32.0	3344	33.1	3397	34.3	3488	36.5	3582	38.8	3678	41.2	3761	43.4	3848	45.8	3940	48.4	4017	50.7
4000	4323	3306	33.5	3359	34.7	3404	35.8	3499	38.1	3596	40.6	3681	42.9	3772	45.3	3862	47.9	3940	50.2	4022	52.6
4200	4539	3320	35.1	3367	36.2	3415	37.4	3515	39.9	3602	42.2	3694	44.7	3784	47.3	3865	49.6	3951	52.2	4039	54.9
4400	4755	3331	36.5	3380	37.8	3431	39.1	3522	41.5	3615	44.1	3706	46.6	3790	49.1	3879	51.8	3962	54.3	4040	56.8
4600	4971	3346	38.1	3398	39.5	3442	40.7	3536	43.3	3629	45.9	3715	48.4	3806	51.2	3888	53.7	3970	56.3	4055	59.2
4800	5187	3362	39.8	3408	41.1	3455	42.4	3552	45.1	3639	47.7	3732	50.5	3815	53.1	3899	55.8	3987	58.7	4062	61.3
5000	5403	3374	41.4	3423	42.8	3473	44.2	3563	46.8	3656	49.6	3742	52.3	3828	55.1	3915	58.0	3993	60.7	4075	63.5
5200	5619	3390	43.1	3441	44.6	3486	45.9	3579	48.7	3669	51.5	3756	54.3	3844	57.2	3924	60.0	4008	63.0		
5400	5835	3407	44.9	3453	46.2	3501	47.7	3594	50.6	3683	53.4	3772	56.4	3855	59.2	3941	62.3	4020	65.2		
5600	6052	3421	46.6	3470	48.1	3519	49.6	3608	52.5	3700	55.5	3784	58.4	3873	61.5	3952	64.4	4034	67.5		
5800	6268	3438	48.4	3486	50.0	3532	51.4	3627	54.5	3713	57.5	3803	60.6	3884	63.6	3968	66.7	4049	69.9		
6000	6484	3454	50.3	3500	51.8	3549	53.4	3639	56.5	3730	59.6	3815	62.7	3901	65.9	3983	69.0	4062	72.2		
6200	6700	3469	52.2	3518	53.8	3564	55.4	3656	58.5	3744	61.7	3832	64.9	3915	68.2	3997	71.4				
6400	6916	3488	54.2	3533	55.7	3580	57.3	3672	60.6	3760	63.9	3847	67.2	3930	70.5	4014	73.8				
6600	7132	3502	56.1	3550	57.8	3598	59.5	3687	62.7	3777	66.1	3862	69.5	3947	72.9	4027	76.2				
6800	7348	3520	58.1	3568	59.9	3613	61.5	3706	65.0	3792	68.4	3879	71.9	3961	75.2	4045	78.8				
7000	7565	3538	60.2	3584	61.9	3631	63.7	3720	67.2	3810	70.8	3893	74.2	3979	77.8	4058	81.2				

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

<sup>†</sup> Belt Drive is not recommended above 3600 RPM

Performance shown is for installation type B - Free inlet, Ducted outlet.

Size  
**15** SISW



Wheel Diameter = 26.125 in.  
Outlet Area = 1.23 sq. ft. inside  
Tip Speed, fpm = 6.84 x RPM

Model 45 Maximum RPM 3564  
Maximum Belt Drive Motor HP 125

**Design 6610 LS Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3600	2922	2810	32.7	2855	34.0	2903	35.4	2988	37.9	3065	40.4	3147	43.1	3234	46.2	3308	48.9	3376	51.5	3446	54.3
3800	3084	2822	34.1	2864	35.3	2904	36.5	2988	39.1	3077	42.0	3155	44.7	3228	47.3	3305	50.2	3386	53.3	3463	56.4
4000	3247	2820	35.2	2864	36.5	2910	37.9	2998	40.7	3074	43.3	3155	46.1	3241	49.2	3313	51.9	3382	54.6	3455	57.6
4200	3409	2829	36.6	2876	38.0	2915	39.3	2997	42.0	3085	44.9	3163	47.7	3236	50.4	3314	53.4	3396	56.6	3465	59.5
4400	3571	2832	37.9	2875	39.3	2919	40.7	3009	43.6	3085	46.3	3165	49.2	3250	52.4	3320	55.1	3391	58.0	3465	61.1
4600	3734	2839	39.3	2887	40.9	2927	42.2	3008	45.0	3094	48.0	3172	50.9	3246	53.8	3324	56.9	3406	60.2	3470	63.0
4800	3896	2846	40.8	2888	42.1	2931	43.6	3020	46.7	3096	49.5	3176	52.5	3260	55.8	3328	58.6	3400	61.7	3476	65.0
5000	4058	2852	42.2	2898	43.7	2941	45.2	3020	48.1	3105	51.3	3183	54.3	3257	57.3	3336	60.5	3411	63.8	3478	66.8
5200	4221	2861	43.7	2902	45.2	2944	46.7	3033	49.9	3108	52.8	3188	56.0	3269	59.3	3338	62.3	3411	65.5	3488	69.0
5400	4383	2867	45.1	2912	46.8	2955	48.4	3034	51.4	3118	54.7	3195	57.8	3269	61.0	3348	64.4	3420	67.6	3488	70.8
5600	4545	2878	46.8	2918	48.3	2960	49.8	3047	53.3	3122	56.3	3202	59.6	3280	63.0	3350	66.2	3424	69.6	3501	73.3
5800	4708	2884	48.2	2928	49.9	2972	51.6	3050	54.7	3133	58.2	3208	61.5	3283	64.8	3363	68.5	3430	71.7	3500	75.0
6000	4870	2896	49.9	2936	51.4	2977	53.1	3063	56.7	3138	59.9	3217	63.4	3292	66.8	3364	70.2	3439	73.8	3510	77.4
6200	5032	2902	51.4	2946	53.1	2989	54.9	3067	58.2	3150	61.9	3223	65.2	3299	68.8	3375	72.4	3443	75.8	3514	79.5
6400	5195	2915	53.1	2954	54.7	2995	56.5	3079	60.1	3155	63.5	3234	67.3	3307	70.8	3379	74.3	3455	78.2	3521	81.7
6600	5357	2922	54.6	2965	56.5	3007	58.3	3085	61.8	3167	65.6	3240	69.1	3316	72.8	3389	76.5	3458	80.1	3531	84.0
6800	5519	2934	56.4	2974	58.1	3014	60.0	3097	63.7	3173	67.3	3253	71.3	3323	74.8	3397	78.6	3470	82.5	3536	86.2
7000	5682	2941	58.0	2985	59.9	3026	61.8	3105	65.5	3185	69.4	3258	73.1	3336	77.1	3405	80.8	3475	84.6	3549	88.8
7200	5844	2954	59.9	2993	61.7	3034	63.6	3116	67.5	3192	71.2	3270	75.2	3341	79.0	3416	83.1	3485	86.9	3552	90.8
7400	6006	2962	61.5	3005	63.6	3046	65.5	3125	69.3	3203	73.3	3277	77.2	3354	81.3	3422	85.1	3495	89.3	3563	93.3
7600	6169	2974	63.4	3014	65.3	3055	67.3	3135	71.3	3212	75.3	3288	79.3	3361	83.3	3435	87.6	3502	91.5		
8000	6493	2994	67.1	3034	69.1	3076	71.2	3155	75.3	3233	79.5	3307	83.6	3381	87.9	3452	92.1	3521	96.2		
8400	6818	3015	70.9	3055	73.0	3097	75.2	3175	79.4	3255	83.9	3327	88.0	3403	92.5	3471	96.7	3541	101.2		
8800	7143	3036	74.8	3077	77.0	3119	79.3	3196	83.7	3274	88.2	3348	92.6	3422	97.2	3491	101.6	3563	106.4		
9200	7468	3059	78.9	3100	81.2	3140	83.5	3218	88.1	3294	92.7	3369	97.4	3441	102.0	3512	106.7				

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Performance Data

Wheel Diameter = 29.625 in.  
 Outlet Area = 1.59 sq. ft. inside  
 Tip Speed, fpm = 7.76 x RPM



Model 45 Maximum RPM 3099  
 Maximum Belt Drive Motor HP 150

Size  
**17** SISW

**Design 6610 LS Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4600	2898	2449	38.5	2486	40.0	2520	41.3	2592	44.3	2668	47.5	2743	50.9	2803	53.7	2866	56.8	2933	60.2	3003	63.9
4800	3024	2445	39.4	2485	40.9	2526	42.6	2600	45.7	2666	48.6	2737	51.8	2812	55.4	2877	58.6	2935	61.6	2996	64.9
5000	3150	2453	40.7	2488	42.1	2524	43.6	2600	46.8	2678	50.3	2740	53.2	2806	56.4	2876	59.9	2949	63.7	3005	66.8
5200	3276	2453	41.8	2494	43.4	2535	45.1	2602	48.0	2673	51.3	2749	54.9	2814	58.0	2875	61.2	2940	64.6	3008	68.4
5400	3402	2457	43.0	2494	44.5	2532	46.1	2612	49.6	2678	52.7	2745	55.9	2816	59.5	2887	63.1	2944	66.3	3004	69.7
5600	3528	2463	44.3	2503	46.0	2537	47.5	2609	50.7	2684	54.2	2752	57.5	2816	60.8	2883	64.3	2953	68.2	3013	71.6
5800	3654	2464	45.4	2502	47.1	2542	48.8	2615	52.2	2683	55.4	2755	59.0	2825	62.6	2885	65.9	2948	69.4	3015	73.2
6000	3780	2473	46.9	2508	48.4	2543	50.0	2618	53.5	2691	57.0	2756	60.3	2824	63.9	2897	67.9	2954	71.2	3014	74.7
6200	3906	2473	48.0	2513	49.8	2553	51.6	2620	54.8	2692	58.4	2765	62.1	2827	65.5	2892	69.1	2961	73.0	3022	76.7
6400	4032	2479	49.4	2515	51.0	2552	52.8	2630	56.5	2695	59.8	2764	63.5	2837	67.4	2896	70.8	2958	74.4	3024	78.4
6600	4158	2484	50.7	2524	52.6	2558	54.2	2629	57.8	2705	61.6	2768	65.0	2834	68.7	2905	72.8	2965	76.3	3024	80.0
6800	4284	2487	52.0	2524	53.8	2563	55.7	2634	59.3	2704	62.9	2777	66.9	2839	70.4	2903	74.2	2970	78.2	3032	82.1
7000	4410	2496	53.6	2530	55.3	2566	57.0	2641	60.9	2709	64.5	2776	68.2	2847	72.3	2908	76.0	2970	79.8	3034	83.9
7200	4536	2497	54.8	2536	56.7	2574	58.7	2642	62.3	2715	66.2	2781	70.0	2846	73.8	2915	77.9	2976	81.8	3035	85.6
7400	4662	2503	56.3	2539	58.1	2576	60.0	2650	64.0	2717	67.7	2788	71.8	2852	75.6	2915	79.5	2981	83.7	3043	87.7
7600	4788	2509	57.7	2547	59.7	2582	61.5	2654	65.5	2724	69.4	2789	73.3	2859	77.5	2921	81.4	2982	85.4	3046	89.6
8000	5040	2521	60.7	2556	62.6	2592	64.6	2667	68.8	2732	72.7	2801	76.9	2867	81.0	2929	85.0	2994	89.4	3055	93.6
8400	5291	2531	63.7	2567	65.7	2604	67.9	2675	72.0	2743	76.2	2812	80.5	2875	84.6	2941	89.0	3002	93.3	3061	97.5
8800	5543	2542	66.8	2580	69.0	2617	71.2	2685	75.3	2757	79.9	2820	84.0	2887	88.5	2950	92.9	3010	97.2	3074	101.9
9200	5795	2556	70.1	2593	72.3	2627	74.4	2699	78.9	2766	83.3	2833	87.8	2898	92.4	2959	96.8	3024	101.6	3082	106.1
9600	6047	2569	73.5	2604	75.6	2640	77.9	2711	82.5	2777	87.1	2845	91.8	2908	96.3	2973	101.1	3033	105.7	3092	110.4
10000	6299	2581	76.8	2617	79.1	2654	81.6	2722	86.1	2792	91.0	2855	95.6	2921	100.5	2983	105.3	3043	110.0		
10500	6614	2597	81.1	2634	83.6	2671	86.1	2738	90.9	2807	95.9	2871	100.7	2937	105.9	2997	110.6	3059	115.8		
11000	6929	2615	85.7	2652	88.3	2686	90.8	2755	95.9	2822	100.9	2887	106.1	2951	111.2	3012	116.3	3075	121.6		
11500	7244	2633	90.4	2669	93.1	2703	95.6	2773	101.0	2838	106.1	2905	111.6	2966	116.7	3030	122.2	3088	127.4		

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Wheel Diameter = 33.00 in.  
 Outlet Area = 1.97 sq. ft. inside  
 Tip Speed, fpm = 8.64 x RPM



Model 45 Maximum RPM 2778  
 Maximum Belt Drive Motor HP 200

Size  
**19** SISW

**Design 6610 LS Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5600	2824	2186	47.2	2218	48.9	2251	50.7	2320	54.6	2391	58.7	2446	62.2	2504	66.0	2565	70.1	2630	74.6	2689	78.9
5800	2925	2189	48.3	2227	50.4	2257	52.0	2319	55.6	2385	59.6	2456	64.0	2511	67.6	2566	71.4	2623	75.5	2684	80.0
6000	3026	2188	49.2	2223	51.2	2260	53.2	2326	57.1	2386	60.7	2449	64.8	2516	69.2	2574	73.3	2626	77.0	2681	81.1
6200	3127	2193	50.5	2225	52.3	2258	54.2	2327	58.3	2393	62.4	2450	66.1	2511	70.1	2574	74.6	2637	79.1	2686	82.9
6400	3228	2196	51.7	2233	53.8	2263	55.6	2326	59.4	2393	63.6	2459	67.9	2514	71.6	2571	75.7	2632	80.2	2696	85.0
6600	3328	2195	52.7	2231	54.8	2267	56.9	2332	60.8	2392	64.7	2457	69.0	2523	73.6	2576	77.4	2631	81.5	2688	86.0
6800	3429	2201	54.1	2233	56.0	2266	57.9	2335	62.2	2398	66.3	2457	70.2	2519	74.6	2585	79.4	2636	83.3	2689	87.5
7000	3530	2204	55.3	2240	57.5	2270	59.3	2334	63.3	2402	67.8	2463	71.9	2519	76.0	2579	80.4	2642	85.2	2696	89.5
7200	3631	2204	56.4	2239	58.5	2275	60.8	2338	64.8	2400	68.9	2466	73.4	2526	77.8	2580	81.9	2638	86.4	2699	91.2
7600	3833	2213	59.1	2248	61.3	2278	63.3	2343	67.5	2411	72.2	2468	76.3	2527	80.6	2589	85.4	2648	90.0	2699	94.3
8000	4034	2218	61.7	2250	63.8	2284	66.0	2353	70.7	2412	74.8	2473	79.3	2539	84.3	2592	88.5	2647	93.0	2705	98.0
8400	4236	2223	64.3	2258	66.6	2294	69.1	2355	73.3	2419	77.9	2482	82.7	2538	87.1	2597	91.9	2659	97.1	2709	101.5
8800	4438	2233	67.2	2266	69.5	2297	71.7	2363	76.4	2426	81.1	2484	85.7	2547	90.7	2604	95.5	2658	100.2	2714	105.2
9200	4640	2238	69.9	2271	72.2	2305	74.7	2370	79.5	2430	84.2	2495	89.4	2551	94.0	2608	98.9	2668	104.2	2721	109.1
9600	4841	2246	72.8	2281	75.4	2313	77.8	2375	82.5	2441	87.8	2498	92.5	2558	97.6	2618	102.9	2670	107.7	2725	112.8
10000	5043	2256	75.9	2287	78.3	2319	80.7	2386	86.0	2445	90.8	2506	96.1	2565	101.2	2620	106.3	2679	111.7	2734	117.0
10500	5295	2265	79.6	2297	82.1	2330	84.8	2393	90.0	2455	95.2	2516	100.6	2572	105.7	2631	111.3	2687	116.6	2739	121.9
11000	5547	2275	83.5	2309	86.2	2342	89.0	2403	94.2	2467	99.8	2524	105.0	2583	110.6	2640	116.1	2694	121.5	2750	127.3
11500	5799	2287	87.6	2320	90.4	2351	93.1	2415	98.7	2475	104.2	2534	109.8	2593	115.5	2648	121.0	2705	127.0	2758	132.6
12000	6052	2299	91.8	2330	94.5	2362	97.4	2426	103.2	2485	108.8	2546	114.8	2602	120.4	2660	126.4	2714	132.2	2766	138.0
12500	6304	2309	96.0	2342	98.9	2375	101.9	2436	107.7	2498	113.8	2555	119.5	2614	125.6	2669	131.6	2723	137.5		
13000	6556	2321	100.3	2355	103.5	2386	106.4	2448	112.5	2508	118.6	2567	124.7	2624	130.9	2679	136.9	2736	143.5		
13500	6808	2335	104.9	2366	108.0	2397	111.1	2460	117.4	2519	123.6	2579	130.0	2634	136.2	2692	142.8	2744	148.9		
14000	7060	2346	109.5	2378	112.6	2410	115.9	2471	122.3	2532	128.9	2589	135.2	2647	141.9	2701	148.2	2756	154.8		
14500	7312	2359	114.1	2391	117.5	2422	120.8	2483	127.4	2543	134.0	2601	140.8	2657	147.4	2713	154.1	2767	160.9		

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.



Size  
**21** SISW



Wheel Diameter = 36.50 in.  
Outlet Area = 2.41 sq. ft. inside  
Tip Speed, fpm = 9.56 x RPM

Model 45 Maximum RPM 2556  
Maximum Belt Drive Motor HP 250

**Design 6610 LS Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6500	2683	1973	55.6	2007	58.0	2042	60.5	2097	64.7	2152	69.0	2210	73.8	2272	79.1	2326	83.9	2372	88.2	2420	92.9
7000	2890	1983	58.8	2012	60.8	2040	62.9	2098	67.4	2160	72.4	2219	77.5	2289	81.8	2320	86.6	2375	91.7	2432	97.4
7500	3096	1982	61.2	2012	63.4	2043	65.8	2107	70.9	2163	75.5	2216	80.2	2272	85.3	2332	90.9	2382	95.8	2428	100.5
8000	3303	1986	64.1	2018	66.6	2052	69.2	2108	73.8	2164	78.6	2224	84.0	2280	89.2	2329	93.9	2380	99.1	2433	104.6
8500	3509	1994	67.4	2025	69.8	2053	72.1	2111	77.0	2174	82.5	2227	87.4	2279	92.4	2334	97.9	2392	103.9	2438	108.8
9000	3715	1998	70.3	2027	72.8	2057	75.3	2122	80.9	2174	85.7	2229	90.9	2288	96.7	2340	102.0	2388	107.1	2439	112.7
9500	3922	2002	73.5	2034	76.2	2067	79.0	2122	84.0	2179	89.4	2239	95.2	2289	100.3	2341	105.7	2396	111.7	2448	117.5
10000	4128	2011	77.0	2041	79.6	2069	82.2	2128	87.7	2187	93.4	2239	98.6	2294	104.4	2352	110.5	2398	115.8	2447	121.4
10500	4335	2016	80.3	2045	82.9	2075	85.8	2136	91.5	2190	96.9	2247	102.8	2301	108.7	2351	114.2	2403	120.2	2459	126.8
11000	4541	2021	83.7	2053	86.7	2084	89.6	2139	95.1	2198	101.1	2252	106.9	2304	112.7	2360	119.0	2410	124.9	2457	130.7
11500	4747	2031	87.5	2060	90.3	2088	93.1	2148	99.2	2203	105.1	2257	111.0	2315	117.5	2363	123.2	2413	129.4	2466	136.0
12000	4954	2036	91.0	2066	93.9	2096	97.1	2153	103.1	2209	109.2	2266	115.6	2316	121.5	2369	127.9	2422	134.5	2469	140.5
12500	5160	2044	94.7	2075	98.0	2104	101.0	2160	107.2	2218	113.6	2270	119.7	2325	126.4	2376	132.7	2425	139.0	2477	145.8
13000	5367	2053	98.7	2081	101.7	2110	104.9	2169	111.5	2223	117.8	2279	124.5	2330	130.8	2382	137.4	2435	144.5	2481	150.7
13500	5573	2059	102.5	2089	105.8	2120	109.3	2175	115.6	2233	122.5	2284	128.9	2338	135.7	2390	142.6	2438	149.1	2488	156.1
14000	5779	2068	106.6	2098	110.0	2126	113.2	2184	120.2	2238	126.8	2293	133.7	2345	140.6	2395	147.4	2448	154.7	2494	161.4
14500	5986	2076	110.7	2105	114.1	2135	117.6	2191	124.5	2247	131.5	2300	138.5	2352	145.5	2405	152.9	2452	159.6	2502	166.9
15000	6192	2085	114.9	2115	118.6	2143	122.0	2200	129.1	2254	136.2	2308	143.4	2361	150.7	2410	157.8	2461	165.3	2509	172.5
15500	6399	2095	119.4	2123	122.8	2151	126.5	2208	133.8	2262	141.1	2316	148.5	2367	155.7	2420	163.5	2467	170.6	2516	178.2
16000	6605	2102	123.6	2132	127.4	2161	131.2	2216	138.5	2272	146.1	2324	153.5	2377	161.3	2425	168.6	2476	176.4	2524	184.0
16500	6811	2112	128.3	2141	132.0	2169	135.7	2226	143.6	2279	151.0	2333	158.9	2383	166.4	2436	174.5	2483	182.0	2531	189.9
17000	7018	2121	132.8	2150	136.6	2179	140.7	2234	148.3	2289	156.4	2340	164.0	2394	172.2	2442	179.8	2492	188.0	2539	195.9
17500	7224	2130	137.5	2160	141.6	2187	145.4	2244	153.7	2297	161.4	2351	169.7	2400	177.5	2452	186.0	2499	193.8	2547	202.0
18000	7431	2140	142.3	2168	146.3	2197	150.5	2252	158.6	2307	167.1	2358	175.0	2411	183.6	2459	191.5	2509	200.1	2555	208.2
18500	7637	2150	147.1	2180	151.5	2206	155.5	2262	164.0	2315	172.3	2369	181.0	2418	189.1	2469	197.9	2516	206.0		

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Size  
**23** SISW



Wheel Diameter = 40.00 in.  
Outlet Area = 2.90 sq. ft. inside  
Tip Speed, fpm = 10.47 x RPM

Model 45 Maximum RPM 2315  
Maximum Belt Drive Motor HP 250

**Design 6610 LSR Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8500	2939	1815	67.9	1847	70.8	1874	73.3	1926	78.1	1981	83.5	2040	89.5	2088	94.7	2134	99.9	2183	105.5	2234	111.6
9000	3112	1816	70.8	1843	73.3	1871	75.9	1931	81.6	1985	87.1	2034	92.2	2085	97.9	2140	104.1	2190	109.9	2232	115.2
9500	3285	1816	73.7	1846	76.5	1878	79.5	1929	84.6	1982	90.1	2039	96.2	2090	101.9	2136	107.3	2184	113.1	2235	119.5
10000	3457	1822	77.1	1848	79.7	1875	82.3	1931	88.0	1988	94.1	2036	99.4	2087	105.2	2141	111.6	2190	117.6	2233	123.2
10500	3630	1820	79.9	1849	82.8	1879	85.8	1934	91.5	1985	97.2	2040	103.4	2092	109.5	2138	115.1	2186	121.2	2237	127.9
11000	3803	1824	83.3	1854	86.3	1880	89.1	1934	94.9	1992	101.4	2040	107.0	2090	113.0	2143	119.7	2191	125.9	2235	131.8
11500	3976	1826	86.5	1853	89.4	1882	92.5	1939	98.8	1989	104.6	2043	111.0	2095	117.5	2141	123.4	2189	129.8	2240	136.8
12000	4149	1829	89.8	1859	93.1	1886	96.1	1939	102.2	1995	108.9	2044	114.9	2094	121.2	2146	128.1	2193	134.5	2238	140.8
12500	4322	1833	93.3	1860	96.4	1888	99.5	1945	106.3	1995	112.4	2047	119.0	2099	125.8	2145	132.1	2193	138.8	2244	146.2
13000	4495	1835	96.6	1864	100.0	1893	103.4	1945	109.7	2000	116.6	2050	123.2	2099	129.8	2151	137.0	2196	143.6	2241	150.2
13500	4668	1842	100.4	1868	103.5	1895	106.8	1951	113.9	2001	120.4	2053	127.4	2104	134.5	2150	141.1	2198	148.2	2248	155.7
14000	4840	1844	103.6	1872	107.2	1901	110.9	1952	117.5	2006	124.7	2056	131.6	2105	138.6	2156	146.2	2201	153.0	2246	160.0
14500	5013	1850	107.4	1877	110.9	1903	114.3	1958	121.7	2008	128.7	2059	136.0	2110	143.4	2156	150.4	2204	157.9	2252	165.5
15000	5186	1853	110.9	1881	114.5	1909	118.4	1961	125.5	2013	133.0	2063	140.3	2112	147.7	2163	155.7	2207	162.7	2252	170.2
15500	5359	1859	114.6	1887	118.4	1913	122.0	1967	129.7	2017	137.1	2067	144.8	2117	152.5	2163	159.9	2212	167.9	2257	175.5
16000	5532	1864	118.3	1891	122.1	1919	126.1	1970	133.6	2022	141.5	2072	149.2	2120	157.0	2169	165.1	2213	172.6	2260	180.6
16500	5705	1870	122.1	1898	126.1	1923	129.9	1977	137.9	2026	145.7	2076	153.8	2125	161.8	2171	169.6	2220	178.1	2263	185.8
17000	5878	1875	125.8	1902	129.8	1930	134.0	1981	141.9	2032	150.2	2081	158.3	2129	166.5	2177	174.8	2222	182.8	2268	191.3
17500	6050	1881	129.6	1909	133.9	1935	137.9	1987	146.3	2037	154.5	2087	163.0	2134	171.3	2181	179.6	2228	188.4	2271	196.4
18000	6223	1888	133.5	1914	137.7	1941	142.0	1992	150.4	2043	159.2	2091	167.5	2139	176.2	2186	184.7	2231	193.2	2278	202.3
18500	6396	1894	137.4	1921	141.9	1946	146.0	1999	154.9	2048	163.4	2098	172.4	2144	181.0	2191	189.8	2237	198.7	2280	207.3
19000	6569	1900	141.4	1926	145.7	1953	150.3	2004	159.1	2055	168.3	2102	176.9	2151	186.1	2196	194.9	2241	203.9	2287	213.1
19500	6742	1907	145.5	1934	150.1	1959	154.4	2011	163.7	2059	172.6	2110	182.1	2155	190.8	2202	200.3	2246	209.3	2290	218.4
20000	6915	1914	149.6	1940	154.1	1967	158.9	2016	167.9	2067	177.5	2114	186.5	2163	196.3	2207	205.2	2253	214.8	2296	224.1
21000	7261	1928	158.4	1954	163.0	1981	167.9	2029	177.1	2079	186.9	2126	196.4	2174	206.3	2218	215.8	2265	226.0	2306	235.3

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Performance Data

Wheel Diameter = 45.125 in.  
 Outlet Area = 3.69 sq. ft. inside  
 Tip Speed, fpm = 11.81 x RPM



Model 45 Maximum RPM 2043  
 Maximum Belt Drive Motor HP 350

Size  
**26** SISW

**Design 6610 LSR Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10500	2841	1606	84.9	1630	87.9	1654	91.0	1705	97.8	1759	105.3	1800	111.4	1843	118.0	1888	125.2	1936	133.0	1982	140.9
11000	2976	1604	87.4	1632	91.0	1661	94.7	1705	100.8	1752	107.5	1801	114.9	1850	122.4	1889	128.8	1931	135.7	1974	143.3
11500	3111	1606	90.5	1631	93.7	1655	97.0	1708	104.3	1756	111.2	1799	117.8	1845	125.1	1893	133.0	1937	140.5	1975	147.2
12000	3247	1607	93.4	1635	97.2	1660	100.6	1706	107.1	1754	114.3	1806	122.3	1847	128.8	1889	135.9	1933	143.6	1980	152.0
12500	3382	1608	96.4	1633	99.8	1658	103.4	1712	111.1	1755	117.8	1801	124.9	1849	132.8	1894	140.5	1933	147.5	1974	155.0
13000	3517	1610	99.7	1638	103.6	1660	106.8	1708	113.8	1758	121.6	1804	129.0	1846	136.1	1891	143.9	1939	152.4	1978	159.8
13500	3653	1610	102.7	1635	106.3	1661	110.1	1712	117.7	1756	124.8	1804	132.6	1852	140.7	1892	147.9	1934	155.6	1978	163.9
14000	3788	1614	106.2	1639	109.9	1662	113.4	1711	120.9	1762	129.1	1804	136.2	1849	144.0	1897	152.6	1937	160.2	1977	167.8
14500	3923	1614	109.1	1639	113.0	1666	117.1	1713	124.6	1759	132.3	1809	140.7	1851	148.2	1893	156.0	1938	164.5	1982	173.2
15000	4058	1619	112.9	1642	116.5	1666	120.2	1716	128.4	1762	136.3	1807	144.0	1854	152.6	1897	160.7	1937	168.5	1979	177.0
15500	4194	1618	115.8	1644	119.9	1671	124.3	1716	131.8	1764	140.1	1810	148.4	1853	156.3	1897	164.9	1942	173.8	1980	181.6
16000	4329	1622	119.5	1645	123.3	1670	127.4	1721	136.1	1765	143.9	1811	152.3	1857	161.1	1898	169.0	1940	177.6	1985	187.0
16500	4464	1623	122.7	1650	127.1	1674	131.2	1720	139.4	1770	148.4	1812	156.4	1856	164.9	1903	174.3	1942	182.3	1982	190.9
17000	4599	1626	126.3	1650	130.4	1675	134.7	1724	143.4	1769	151.8	1817	161.0	1858	169.3	1901	178.0	1946	187.5	1985	196.0
17500	4735	1629	129.8	1655	134.3	1678	138.4	1726	147.2	1772	156.1	1816	164.7	1862	174.1	1904	182.8	1945	191.6	1988	201.1
18000	4870	1632	133.2	1656	137.7	1682	142.4	1728	151.1	1774	160.1	1820	169.3	1862	178.1	1907	187.6	1948	196.7	1987	205.6
19000	5141	1638	140.4	1663	145.2	1688	150.0	1733	159.0	1781	168.8	1824	177.7	1868	187.3	1911	197.0	1951	206.1	1992	215.9
20000	5411	1646	147.8	1671	152.9	1694	157.5	1740	167.2	1786	177.0	1829	186.6	1875	197.0	1915	206.2	1956	216.2	1999	226.6
21000	5682	1654	155.4	1678	160.4	1701	165.3	1748	175.7	1792	185.4	1837	195.8	1879	205.8	1920	216.0	1964	226.8	2001	236.5
22000	5952	1662	163.1	1685	168.0	1708	173.2	1755	183.9	1799	194.2	1844	205.0	1885	215.2	1928	226.3	1967	236.5	2007	247.1
23000	6223	1670	170.6	1693	175.9	1717	181.5	1762	192.2	1808	203.4	1850	214.0	1893	225.1	1934	236.1	1973	246.9	2015	258.5
24000	6493	1678	178.4	1702	184.1	1726	189.8	1770	200.8	1815	212.3	1857	223.4	1900	235.1	1940	246.1	1982	257.9	2020	268.9
25000	6764	1688	186.5	1712	192.5	1734	198.0	1780	209.8	1822	221.3	1866	233.3	1907	244.7	1948	256.7	1988	268.4	2027	280.0
26000	7035	1698	195.2	1720	200.9	1743	206.7	1788	218.8	1831	230.7	1874	242.8	1915	254.8	1956	267.2	1995	279.0	2036	291.8
27000	7305	1708	203.9	1730	209.8	1753	215.9	1797	227.9	1841	240.6	1882	252.5	1925	265.5	1964	277.5	2004	290.4	2042	302.7

Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Performance shown is for installation type B - Free inlet, Ducted outlet.

Wheel Diameter = 50.50 in.  
 Outlet Area = 4.62 sq. ft. inside  
 Tip Speed, fpm = 13.22 x RPM



Model 45 Maximum RPM 1835  
 Maximum Belt Drive Motor HP 350

Size  
**29** SISW

**Design 6610 LSR Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	2827	1439	105.2	1460	108.9	1482	112.8	1529	121.4	1576	130.5	1613	138.1	1652	146.3	1693	155.4	1737	165.3	1776	174.5
13500	2936	1439	108.0	1465	112.5	1486	116.3	1527	124.1	1571	132.7	1618	142.2	1656	150.4	1692	158.6	1731	167.6	1772	177.3
14000	3045	1438	110.6	1461	114.7	1485	119.1	1532	128.0	1571	135.9	1613	144.5	1657	154.0	1698	163.4	1733	171.6	1769	180.4
14500	3153	1442	114.1	1463	117.9	1485	121.9	1530	130.6	1577	140.2	1614	148.1	1653	156.8	1695	166.3	1739	176.7	1773	185.2
15000	3262	1440	116.6	1465	121.2	1489	125.7	1530	133.8	1573	142.6	1618	152.4	1656	160.9	1693	169.7	1733	179.1	1774	189.4
16000	3480	1445	123.2	1467	127.4	1487	131.6	1531	140.5	1578	150.5	1616	158.9	1655	168.0	1697	178.0	1738	188.2	1772	196.9
17000	3697	1445	129.2	1467	133.6	1489	138.2	1536	148.2	1576	156.9	1617	166.3	1660	176.6	1698	185.9	1734	195.3	1772	205.3
18000	3915	1447	135.5	1470	140.3	1494	145.4	1535	154.7	1577	164.3	1622	174.8	1659	184.0	1697	193.8	1738	204.4	1777	215.0
19000	4132	1450	142.3	1475	147.7	1495	152.2	1538	161.9	1583	172.6	1621	182.0	1661	192.1	1703	203.2	1739	213.0	1774	223.1
20000	4350	1455	149.4	1476	154.1	1497	159.1	1543	169.9	1583	179.8	1623	190.2	1666	201.4	1702	211.2	1739	221.8	1779	233.2
21000	4567	1457	155.9	1479	161.2	1502	166.7	1544	177.2	1586	187.7	1628	199.1	1665	209.2	1704	220.2	1745	232.0	1779	242.2
22000	4784	1461	163.0	1484	168.7	1506	174.1	1547	184.8	1591	196.5	1629	206.9	1669	218.3	1709	229.8	1744	240.5	1781	252.1
23000	5002	1467	170.5	1488	175.9	1509	181.4	1553	193.2	1593	204.1	1633	215.7	1673	227.4	1710	238.5	1748	250.6	1785	262.4
24000	5219	1471	177.4	1492	183.2	1514	189.2	1556	200.8	1597	212.6	1637	224.6	1675	236.1	1715	248.6	1751	260.2	1787	272.0
25000	5437	1476	184.7	1498	191.0	1520	197.0	1561	208.9	1602	221.3	1641	233.1	1681	246.0	1717	257.8	1754	270.0	1793	283.3
26000	5654	1482	192.5	1503	198.5	1524	204.6	1567	217.6	1606	229.6	1647	242.7	1684	254.8	1721	267.5	1759	280.7	1794	292.8
27000	5872	1487	199.8	1508	206.1	1530	212.8	1571	225.4	1612	238.7	1650	251.3	1689	264.4	1727	277.7	1762	290.3	1799	303.9
28000	6089	1493	207.4	1515	214.3	1536	220.7	1577	234.0	1616	247.3	1655	260.6	1694	274.2	1730	287.3	1768	301.4	1802	314.3
29000	6307	1500	215.5	1520	222.0	1541	228.8	1583	242.7	1622	256.2	1661	270.2	1698	283.6	1737	298.1	1771	311.2	1807	325.2
30000	6524	1506	223.1	1527	230.1	1549	237.4	1588	251.1	1629	265.6	1666	279.3	1705	294.1	1740	307.6	1777	322.2	1812	336.3
31000	6742	1512	231.3	1534	238.6	1554	245.5	1595	260.3	1633	274.3	1673	289.4	1709	303.4	1747	318.4	1782	332.7	1817	347.2
32000	6959	1520	239.7	1540	246.8	1561	254.2	1600	268.8	1640	284.0	1678	298.5	1716	313.8	1757	328.5	1787	343.5	1823	358.8
33000	7177	1526	248.3	1547	255.8	1568	263.2	1607	278.1	1646	293.1	1684	308.6	1721	323.7	1757	339.2	1793	354.6	1827	369.7
34000	7394	1535	257.6	1554	264.8	1574	272.3	1614	287.6	1653	302.9	1690	318.4	1727	334.1	1763	349.8	1798	365.5	1834	381.7
35000	7612	1542	266.8	1562	274.4	1583	282.2	1621	297.2	1660	312.9	1697	328.7	1734	344.6	1769	360.6	1805	376.9		

Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Performance shown is for installation type B - Free inlet, Ducted outlet.



Size  
**33** SISW



Wheel Diameter = 57.50 in.  
Outlet Area = 5.99 sq. ft. inside  
Tip Speed, fpm = 15.05 x RPM

Model 45 Maximum RPM 1612  
Maximum Belt Drive Motor HP 350

**Design 6610 LSR Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18000	3023	1264	142.4	1284	147.8	1306	153.6	1345	164.6	1380	175.0	1418	186.4	1457	199.0	1491	210.2	1522	221.0	1554	232.6
19000	3191	1268	149.0	1287	154.4	1306	159.5	1344	170.4	1384	182.6	1420	193.8	1453	204.7	1488	216.7	1526	229.7	1560	242.3
20000	3359	1266	154.4	1286	160.0	1307	165.8	1348	177.9	1382	188.6	1419	200.4	1458	213.3	1491	225.0	1523	236.3	1556	248.7
21000	3527	1268	160.8	1291	167.2	1309	172.5	1346	183.8	1385	196.2	1422	208.3	1455	219.7	1490	232.2	1527	245.8	1559	258.0
22000	3695	1270	167.2	1289	172.9	1309	178.8	1350	191.8	1385	203.0	1421	215.2	1459	228.6	1492	240.6	1524	252.7	1557	265.8
23000	3863	1271	173.5	1292	180.0	1312	186.2	1348	197.9	1387	210.7	1424	223.5	1457	235.5	1492	248.6	1529	262.9	1559	274.9
24000	4031	1274	180.5	1293	186.4	1312	192.5	1352	205.9	1388	218.1	1423	230.8	1461	244.8	1494	257.2	1526	270.0	1560	283.8
25000	4199	1275	186.8	1295	193.4	1316	200.4	1352	212.6	1390	225.9	1426	239.4	1460	252.0	1495	265.8	1531	280.3	1560	292.8
26000	4367	1279	194.3	1297	200.4	1316	206.8	1355	220.6	1391	233.7	1427	247.0	1464	261.6	1496	274.5	1529	288.1	1563	302.8
27000	4535	1280	200.5	1300	207.4	1320	214.6	1356	227.8	1393	241.7	1430	255.8	1463	269.2	1498	283.7	1532	298.2	1563	311.6
28000	4703	1284	208.0	1303	214.8	1321	221.5	1360	235.9	1395	249.8	1431	263.8	1468	279.1	1499	292.5	1532	306.9	1567	322.5
29000	4871	1286	214.7	1305	221.8	1325	229.3	1361	243.4	1398	258.0	1434	272.8	1467	286.9	1502	302.2	1535	316.9	1566	331.2
30000	5038	1289	222.1	1309	229.5	1327	236.5	1365	251.6	1400	266.2	1435	281.1	1471	296.8	1503	311.0	1536	326.3	1570	342.5
31000	5206	1292	229.1	1311	236.6	1331	244.5	1367	259.3	1403	274.7	1439	290.1	1472	305.0	1507	321.3	1538	336.1	1570	351.5
32000	5374	1296	236.6	1316	244.6	1334	251.9	1371	267.7	1406	283.1	1441	298.7	1476	314.9	1508	330.0	1541	346.4	1573	362.4
33000	5542	1299	243.9	1318	251.7	1338	260.0	1374	275.6	1410	291.8	1444	307.8	1478	323.7	1512	340.7	1543	356.0	1575	372.4
34000	5710	1303	251.5	1323	259.9	1341	267.6	1378	284.2	1412	300.3	1447	316.8	1481	333.4	1513	349.5	1547	366.9	1577	382.9
35000	5878	1307	259.0	1326	267.2	1345	275.8	1381	292.2	1417	309.3	1450	325.8	1484	342.7	1517	360.0	1548	376.3	1581	393.9
36000	6046	1311	266.7	1331	275.5	1348	283.6	1385	301.1	1419	317.8	1454	335.3	1487	352.3	1520	369.5	1553	387.5	1583	404.0
37000	6214	1315	274.3	1334	283.0	1353	292.0	1388	309.2	1424	327.2	1457	344.3	1491	362.2	1523	379.7	1555	397.2	1588	416.0
38000	6382	1320	282.2	1339	291.3	1356	299.9	1393	318.3	1427	335.7	1462	354.3	1494	371.6	1527	390.0	1559	408.1	1589	425.8
39000	6550	1324	290.1	1342	299.1	1361	308.6	1396	326.4	1432	345.5	1465	363.1	1499	382.2	1530	399.9	1562	418.6	1593	437.4
40000	6718	1329	298.4	1347	307.6	1365	316.6	1401	335.8	1435	353.9	1470	373.3	1501	391.4	1535	411.0	1565	429.1	1596	448.1
42000	7054	1338	315.3	1356	324.7	1374	334.0	1410	353.6	1443	372.6	1477	392.4	1509	411.6	1542	431.8	1572	450.8	1604	471.1
44000	7390	1349	333.3	1366	342.7	1383	352.3	1418	372.1	1452	392.0	1485	412.0	1518	432.4	1549	452.7	1580	473.0	1611	494.0

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Size  
**37** SISW



Wheel Diameter = 64.375 in.  
Outlet Area = 7.49 sq. ft. inside  
Tip Speed, fpm = 16.85 x RPM

Model 45 Maximum RPM 1439  
Maximum Belt Drive Motor HP 350

**Design 6610 LSR Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22000	2939	1128	175.8	1148	183.2	1165	189.6	1197	202.2	1231	216.1	1268	231.6	1298	245.1	1327	258.4	1357	273.0	1388	288.8
23000	3073	1128	181.3	1145	187.9	1164	194.9	1202	210.1	1232	222.8	1264	236.6	1297	251.7	1333	268.3	1359	281.4	1387	295.5
24000	3206	1130	187.8	1149	195.0	1165	201.3	1198	214.9	1234	230.0	1267	244.7	1296	258.3	1327	273.1	1360	289.3	1392	306.0
25000	3340	1129	193.2	1147	200.2	1166	207.7	1201	222.4	1233	236.0	1266	251.0	1301	267.6	1329	281.4	1358	295.9	1388	311.6
26000	3474	1132	200.3	1149	207.1	1166	213.8	1200	228.5	1237	244.6	1266	258.2	1297	273.2	1330	289.5	1362	305.8	1389	320.1
27000	3607	1131	205.7	1149	213.2	1168	221.1	1201	235.5	1234	250.3	1269	266.6	1300	281.6	1329	296.4	1359	312.5	1392	330.1
28000	3741	1134	212.8	1150	219.8	1167	227.1	1203	242.8	1236	258.1	1267	273.0	1300	289.4	1333	306.1	1360	320.9	1389	336.8
29000	3874	1134	218.6	1152	226.7	1171	234.9	1203	249.4	1237	265.4	1270	281.8	1300	296.8	1331	313.1	1363	330.9	1391	346.6
30000	4008	1136	225.6	1153	233.1	1170	240.9	1206	257.9	1237	272.7	1270	288.9	1304	306.6	1332	321.6	1361	337.9	1392	355.6
31000	4142	1137	232.1	1156	240.7	1172	248.3	1205	264.0	1240	281.4	1271	296.9	1302	313.3	1334	331.2	1363	347.5	1391	363.8
32000	4275	1138	238.8	1155	246.8	1173	255.3	1208	272.0	1239	288.1	1273	305.8	1303	322.1	1333	338.7	1364	356.7	1394	374.5
33000	4409	1141	246.0	1158	254.5	1175	262.4	1209	279.3	1242	296.6	1273	313.0	1305	331.0	1335	348.3	1364	365.0	1393	383.0
34000	4542	1142	252.5	1159	261.1	1177	270.2	1210	286.8	1243	304.3	1275	322.2	1305	338.9	1336	357.1	1367	375.6	1394	392.4
35000	4676	1145	260.3	1161	268.4	1178	276.9	1213	295.2	1244	312.2	1276	330.1	1308	348.7	1337	365.7	1366	384.1	1398	403.8
36000	4810	1146	266.6	1164	275.8	1181	285.1	1213	302.3	1247	321.2	1277	338.5	1308	356.8	1340	376.2	1367	393.4	1396	412.0
38000	5077	1150	281.1	1169	291.0	1184	299.7	1217	318.3	1250	337.4	1281	355.7	1313	375.7	1341	393.8	1370	412.8	1401	433.3
40000	5344	1156	296.0	1173	305.5	1189	314.9	1223	334.9	1253	353.8	1285	373.7	1315	393.4	1344	412.7	1375	433.5	1402	452.9
42000	5611	1161	310.9	1177	320.5	1194	330.5	1227	351.1	1258	371.0	1290	392.1	1319	411.6	1349	432.7	1378	453.2	1405	473.2
44000	5878	1166	325.6	1182	335.9	1199	346.7	1231	367.4	1263	388.9	1294	409.6	1324	430.8	1353	452.5	1381	473.1	1410	495.1
46000	6146	1171	340.8	1188	351.9	1205	363.1	1237	384.3	1269	406.7	1298	428.0	1329	451.0	1357	471.8	1386	494.3	1414	516.6
48000	6413	1178	356.5	1195	368.3	1210	379.0	1243	401.9	1273	424.1	1304	447.3	1333	469.6	1362	492.4	1391	515.7	1418	537.7
50000	6680	1184	373.0	1200	384.2	1216	395.6	1249	419.4	1279	442.4	1310	466.3	1338	489.3	1368	513.8	1395	533.3	1423	560.5
52000	6947	1191	389.4	1207	401.0	1223	413.1	1254	436.8	1286	461.5	1315	485.0	1345	510.1	1372	533.7	1401	558.3	1428	582.9
54000	7214	1197	406.7	1214	418.8	1230	431.1	1261	455.2	1291	480.0	1321	504.9	1350	529.9	1378	554.9	1406	580.6	1433	605.0
56000	7482	1205	425.1	1221	437.6	1236	449.4	1268	474.8	1297	499.4	1327	525.4	1356	550.4	1385	577.2	1411	602.1	1439	628.8

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Performance Data

Wheel Diameter = 71.25 in.  
 Outlet Area = 9.20 sq. ft. inside  
 Tip Speed, fpm = 18.65 x RPM



Model 45 Maximum RPM 1299  
 Maximum Belt Drive Motor HP 350

Size  
**41** SISW

**Design 6610 LSR Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
27000	2938	1018	215.8	1036	224.9	1051	232.7	1080	248.2	1111	265.3	1144	284.4	1171	300.8	1197	317.2	1224	335.1	1253	354.5
28000	3046	1017	221.1	1034	229.3	1050	238.1	1084	256.0	1111	271.7	1141	288.9	1172	307.9	1201	326.8	1226	343.1	1251	360.8
29000	3155	1020	228.2	1035	235.8	1050	243.8	1082	261.2	1116	280.4	1142	296.3	1170	313.6	1199	332.5	1230	353.3	1254	370.3
30000	3264	1019	233.1	1036	242.3	1053	251.5	1082	267.5	1112	285.2	1145	304.8	1172	321.9	1198	339.3	1226	358.2	1255	378.7
31000	3373	1019	239.3	1035	247.7	1051	256.6	1085	275.8	1113	292.1	1142	310.1	1173	329.9	1201	348.6	1226	366.0	1252	384.8
32000	3482	1022	246.3	1037	254.8	1052	263.1	1083	281.0	1116	300.9	1143	317.7	1171	335.9	1200	355.8	1230	376.4	1253	393.8
33000	3590	1021	251.6	1037	260.9	1055	270.8	1084	287.9	1114	306.3	1146	326.6	1172	344.3	1199	362.7	1227	382.7	1257	404.5
34000	3699	1022	258.4	1037	267.1	1053	276.3	1087	296.2	1115	313.7	1144	332.5	1174	353.1	1201	371.9	1227	390.5	1254	410.6
36000	3917	1023	271.0	1040	280.6	1056	290.8	1086	309.3	1116	328.5	1147	349.6	1174	368.0	1201	387.5	1229	408.7	1257	430.0
38000	4135	1026	284.6	1043	295.2	1058	304.4	1088	323.8	1119	345.2	1147	364.0	1175	384.2	1204	406.3	1230	426.1	1255	446.1
40000	4352	1029	298.8	1044	308.3	1059	318.2	1091	339.7	1119	359.5	1148	380.3	1179	402.9	1204	422.4	1230	443.5	1258	466.4
42000	4570	1031	311.9	1046	322.3	1062	333.3	1092	354.3	1121	375.4	1152	398.2	1178	418.4	1206	440.4	1234	464.1	1258	484.4
44000	4787	1034	325.9	1050	337.4	1065	348.3	1094	369.6	1125	392.9	1152	413.8	1181	436.5	1209	459.7	1234	481.0	1260	504.0
46000	5005	1038	341.0	1053	351.8	1067	362.7	1098	386.3	1126	408.2	1155	431.4	1183	454.8	1209	477.1	1237	501.1	1263	524.9
48000	5223	1040	354.9	1056	366.3	1071	378.3	1101	401.6	1130	425.2	1158	449.2	1185	472.2	1213	497.1	1239	520.5	1264	544.0
50000	5440	1044	369.4	1060	382.0	1075	394.0	1104	417.7	1133	442.7	1160	466.3	1189	491.9	1215	515.5	1241	540.1	1268	566.5
52000	5658	1049	385.0	1063	397.0	1078	409.2	1109	435.2	1136	459.1	1165	485.3	1191	509.6	1218	535.0	1245	561.4	1269	585.6
54000	5875	1052	399.6	1067	412.2	1082	425.6	1111	450.9	1140	477.3	1167	502.7	1194	528.8	1221	555.4	1246	580.6	1272	607.7
56000	6093	1056	414.8	1072	428.6	1086	441.5	1115	468.0	1143	494.6	1171	521.2	1198	548.4	1224	574.5	1251	602.7	1275	628.6
58000	6311	1061	431.0	1076	444.0	1090	457.5	1120	485.4	1147	512.3	1175	540.4	1201	567.2	1229	596.2	1253	622.4	1278	650.4
60000	6528	1065	446.1	1080	460.1	1095	474.9	1123	502.1	1152	531.2	1178	558.6	1206	588.2	1231	615.2	1257	644.3	1282	672.6
62000	6746	1070	462.6	1085	477.2	1099	491.0	1128	520.5	1155	548.6	1183	578.8	1209	606.8	1235	636.7	1260	665.4	1285	694.4
64000	6963	1075	479.5	1089	493.7	1104	508.5	1132	537.7	1160	567.9	1187	597.0	1214	627.6	1239	657.0	1264	687.1	1289	717.7
66000	7181	1080	496.6	1095	511.7	1109	526.4	1137	556.3	1164	586.3	1191	617.2	1217	647.4	1243	678.3	1268	709.2	1292	739.4
68000	7399	1086	515.2	1100	529.7	1114	544.6	1142	575.2	1169	605.9	1196	636.8	1222	668.3	1247	699.7	1272	730.9	1297	763.5

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Size  
**13** SISW



Wheel Diameter = 22.625 in.  
Outlet Area = 0.93 sq. ft. inside  
Tip Speed, fpm = 5.92 x RPM

Model 45 Maximum RPM 4088<sup>†</sup>  
Maximum Belt Drive Motor HP 100

**Design 6620 AM Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	3242	3236	23.4	3287	24.3	3339	25.2	3450	27.3	3541	29.1	3630	30.9	3724	32.9	3823	35.1	3918	37.4	3992	39.2
3100	3350	3247	24.1	3293	24.9	3340	25.8	3440	27.6	3546	29.7	3638	31.6	3723	33.5	3812	35.5	3906	37.7	4006	40.2
3200	3458	3240	24.5	3296	25.5	3351	26.5	3441	28.2	3537	30.1	3639	32.2	3733	34.3	3814	36.2	3899	38.2	3988	40.4
3300	3566	3240	25.1	3291	26.0	3344	27.0	3452	29.0	3539	30.8	3631	32.7	3729	34.9	3826	37.1	3903	39.0	3984	41.0
3400	3674	3249	25.8	3296	26.7	3344	27.6	3445	29.5	3550	31.6	3634	33.4	3723	35.4	3817	37.6	3917	39.9	3991	41.8
3500	3782	3248	26.3	3304	27.4	3352	28.3	3444	30.1	3543	32.1	3645	34.3	3727	36.2	3813	38.2	3903	40.3	3998	42.7
3600	3890	3248	26.9	3299	27.9	3353	28.9	3452	30.9	3542	32.8	3637	34.8	3739	37.1	3817	39.0	3900	41.0	3987	43.2
3700	3998	3255	27.6	3303	28.6	3352	29.5	3454	31.6	3549	33.6	3636	35.5	3729	37.6	3828	39.9	3906	41.9	3986	43.9
3800	4106	3259	28.3	3313	29.3	3358	30.2	3452	32.2	3553	34.3	3643	36.3	3728	38.3	3819	40.5	3914	42.8	3993	44.9
4000	4323	3266	29.6	3314	30.6	3363	31.6	3467	33.8	3554	35.7	3644	37.8	3741	40.1	3825	42.2	3906	44.2	3990	46.5
4200	4539	3275	31.0	3327	32.1	3378	33.2	3467	35.1	3562	37.3	3657	39.6	3739	41.6	3826	43.8	3918	46.2	3999	48.4
4400	4755	3291	32.5	3336	33.5	3383	34.5	3480	36.8	3571	38.9	3658	41.1	3750	43.4	3837	45.7	3916	47.8	3999	50.1
4600	4971	3300	33.8	3349	34.9	3399	36.1	3489	38.3	3580	40.5	3675	43.0	3755	45.1	3840	47.4	3929	49.8	4009	52.1
4800	5187	3319	35.4	3365	36.5	3410	37.6	3503	39.9	3594	42.3	3678	44.5	3767	47.0	3853	49.4	3931	51.6	4013	54.0
5000	5403	3332	36.7	3379	37.9	3427	39.2	3517	41.6	3604	43.9	3696	46.5	3777	48.8	3859	51.2	3946	53.8	4024	56.2
5200	5619	3352	38.3	3400	39.6	3442	40.7	3532	43.2	3622	45.8	3704	48.1	3790	50.7	3875	53.2	3951	55.6	4032	58.2
5400	5835	3370	39.8	3415	41.0	3461	42.3	3550	44.9	3635	47.4	3724	50.1	3803	52.6	3884	55.1	3969	57.9	4044	60.3
5600	6052	3390	41.3	3438	42.7	3480	43.9	3567	46.6	3655	49.3	3735	51.8	3820	54.5	3901	57.2	3977	59.8	4057	62.5
5800	6268	3410	42.9	3454	44.2	3500	45.6	3587	48.3	3670	51.0	3758	53.9	3834	56.4	3914	59.2	3998	62.1	4069	64.6
6000	6484	3432	44.5	3479	46.0	3520	47.3	3606	50.0	3692	52.9	3771	55.6	3855	58.5	3932	61.2	4008	64.0	4087	66.9
6200	6700	3453	46.2	3497	47.6	3542	49.0	3627	51.8	3710	54.7	3794	57.6	3870	60.4	3950	63.3	4028	66.3		
6400	6916	3475	47.9	3521	49.4	3562	50.8	3648	53.7	3731	56.6	3811	59.5	3895	62.6	3967	65.4	4043	68.3		
6600	7132	3496	49.6	3540	51.1	3585	52.6	3669	55.5	3752	58.5	3833	61.5	3910	64.5	3990	67.6	4063	70.6		
6800	7348	3520	51.4	3564	52.9	3605	54.4	3692	57.5	3773	60.5	3853	63.6	3933	66.7	4006	69.7	4083	72.9		
7000	7565	3540	53.2	3584	54.8	3630	56.4	3712	59.4	3796	62.6	3874	65.6	3952	68.8	4031	72.0				

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.  
<sup>†</sup> Belt Drive is not recommended above 3600 RPM

Size  
**15** SISW



Wheel Diameter = 26.125 in.  
Outlet Area = 1.23 sq. ft. inside  
Tip Speed, fpm = 6.84 x RPM

Model 45 Maximum RPM 3509  
Maximum Belt Drive Motor HP 125

**Design 6620 AM Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3600	2922	2804	29.2	2847	30.4	2892	31.6	2986	34.2	3078	36.9	3150	39.2	3227	41.7	3307	44.4	3393	47.4	3483	50.8
3800	3084	2807	30.3	2859	31.6	2900	32.7	2980	35.0	3064	37.5	3154	40.3	3241	43.1	3309	45.5	3381	48.1	3456	51.0
4000	3247	2805	31.2	2849	32.4	2894	33.6	2989	36.3	3070	38.7	3146	41.2	3227	43.9	3312	46.8	3396	49.8	3461	52.3
4200	3409	2810	32.4	2860	33.7	2899	34.8	2980	37.2	3067	39.8	3160	42.8	3230	45.1	3303	47.7	3380	50.5	3462	53.6
4400	3571	2808	33.4	2853	34.7	2898	35.9	2992	38.7	3067	41.0	3147	43.6	3231	46.4	3316	49.4	3383	51.9	3453	54.6
4600	3734	2817	34.8	2861	36.0	2901	37.2	2984	39.7	3073	42.5	3154	45.1	3227	47.6	3305	50.4	3387	53.4	3465	56.5
4800	3896	2815	35.9	2859	37.2	2905	38.5	2992	41.2	3070	43.7	3152	46.4	3240	49.4	3309	52.0	3380	54.7	3455	57.6
5000	4058	2826	37.4	2866	38.6	2907	39.8	2992	42.5	3081	45.4	3154	47.9	3231	50.6	3312	53.5	3391	56.5	3457	59.2
5200	4221	2825	38.5	2870	39.9	2916	41.3	2996	43.9	3076	46.6	3161	49.5	3238	52.3	3309	55.0	3385	57.9	3464	61.0
5400	4383	2836	40.0	2875	41.3	2916	42.6	3003	45.4	3084	48.2	3159	50.9	3239	53.8	3321	56.9	3388	59.6	3458	62.5
5600	4545	2838	41.3	2883	42.7	2928	44.2	3005	46.9	3087	49.7	3170	52.7	3241	55.4	3316	58.3	3395	61.5	3466	64.5
5800	4708	2848	42.8	2888	44.1	2930	45.5	3017	48.6	3092	51.3	3170	54.2	3252	57.4	3322	60.2	3392	63.1	3467	66.2
6000	4870	2856	44.2	2901	45.7	2940	47.1	3018	50.0	3102	53.1	3176	56.0	3250	58.9	3328	62.1	3401	65.1	3468	68.0
6200	5032	2864	45.6	2905	47.0	2947	48.6	3029	51.7	3104	54.6	3184	57.8	3259	60.8	3330	63.8	3404	66.9	3480	70.3
6400	5195	2877	47.1	2917	48.7	2956	50.1	3036	53.2	3116	56.4	3188	59.4	3265	62.6	3340	65.8	3407	68.8	3478	72.0
6600	5357	2884	48.5	2926	50.1	2969	51.8	3044	54.8	3122	58.0	3200	61.3	3270	64.4	3344	67.6	3420	71.1	3484	74.1
6800	5519	2899	50.1	2937	51.6	2976	53.2	3058	56.6	3131	59.7	3205	63.0	3283	66.5	3350	69.5	3421	72.8	3494	76.4
7000	5682	2908	51.5	2951	53.3	2989	54.9	3064	58.1	3144	61.6	3215	64.8	3287	68.1	3363	71.8	3429	74.9	3496	78.2
7200	5844	2921	53.0	2960	54.7	3000	56.4	3077	59.9	3151	63.2	3228	66.8	3297	70.1	3366	73.5	3440	77.1	3506	80.5
7400	6006	2936	54.7	2975	56.4	3012	58.0	3089	61.5	3163	65.0	3234	68.5	3309	72.2	3377	75.5	3444	79.0		
7600	6169	2947	56.1	2987	57.9	3028	59.8	3100	63.2	3175	66.8	3247	70.4	3316	73.9	3389	77.7	3455	81.2		
8000	6493	2975	59.4	3016	61.3	3052	63.0	3126	66.7	3201	70.5	3269	74.1	3341	78.0	3409	81.7	3474	85.3		
8400	6818	3005	62.8	3041	64.6	3078	66.5	3156	70.5	3224	74.1	3296	78.1	3365	82.0	3431	85.7	3499	89.8		
8800	7143	3031	66.2	3069	68.1	3108	70.1	3181	74.0	3252	78.0	3323	82.1	3389	86.0	3458	90.2				
9200	7468	3059	69.7	3099	71.9	3137	73.9	3209	77.9	3282	82.1	3349	86.1	3419	90.4	3483	94.4				

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Performance Data

Wheel Diameter = 29.625 in.  
 Outlet Area = 1.59 sq. ft. inside  
 Tip Speed, fpm = 7.76 x RPM



Model 45 Maximum RPM 3114  
 Maximum Belt Drive Motor HP 150

Size  
**17** SISW

**Design 6620 AM Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4600	2898	2435	34.2	2473	35.5	2513	36.8	2597	39.8	2666	42.4	2730	44.9	2798	47.6	2869	50.6	2945	54.0	3010	56.9
4800	3024	2446	35.6	2480	36.7	2515	38.0	2588	40.6	2666	43.5	2744	46.6	2803	49.1	2866	51.8	2931	54.7	3001	57.9
5000	3150	2439	36.4	2481	37.9	2525	39.4	2593	41.9	2661	44.6	2734	47.5	2812	50.7	2876	53.5	2934	56.2	2995	59.0
5200	3276	2442	37.5	2479	38.9	2517	40.2	2598	43.3	2669	46.1	2734	48.7	2802	51.6	2874	54.8	2949	58.2	3003	60.8
5400	3402	2450	38.9	2487	40.2	2521	41.5	2593	44.3	2669	47.3	2744	50.4	2805	53.1	2869	55.9	2936	59.1	3007	62.5
5600	3528	2445	39.8	2486	41.3	2527	42.9	2598	45.7	2667	48.5	2739	51.5	2816	54.9	2876	57.6	2936	60.5	2999	63.6
5800	3654	2451	41.1	2487	42.5	2524	43.9	2602	47.0	2674	50.0	2739	52.8	2807	55.9	2880	59.3	2946	62.5	3002	65.3
6000	3780	2455	42.4	2496	44.0	2530	45.3	2600	48.2	2675	51.4	2747	54.5	2809	57.4	2874	60.5	2943	63.8	3015	67.5
6200	3906	2455	43.5	2494	45.0	2534	46.6	2606	49.7	2674	52.6	2746	55.8	2820	59.3	2878	62.1	2940	65.2	3005	68.6
6400	4032	2462	44.8	2497	46.3	2533	47.8	2610	51.1	2681	54.2	2746	57.2	2815	60.5	2887	64.1	2947	67.1	3005	70.2
6600	4158	2465	46.1	2506	47.8	2540	49.3	2609	52.3	2683	55.7	2753	58.9	2816	62.0	2882	65.3	2951	68.9	3014	72.2
6800	4284	2467	47.3	2505	48.9	2544	50.6	2616	53.8	2683	57.0	2755	60.4	2824	63.8	2884	66.9	2947	70.3	3014	73.9
7000	4410	2475	48.7	2509	50.2	2545	51.8	2620	55.3	2690	58.6	2755	61.8	2824	65.3	2894	68.9	2951	72.1	3012	75.4
7200	4536	2478	50.0	2518	51.8	2552	53.4	2621	56.6	2694	60.2	2761	63.5	2825	66.8	2892	70.4	2962	74.2	3017	77.4
7400	4662	2481	51.2	2518	52.9	2557	54.7	2628	58.2	2695	61.5	2766	65.2	2832	68.6	2893	72.0	2957	75.6	3025	79.5
7600	4788	2490	52.7	2524	54.3	2559	56.0	2634	59.7	2701	63.1	2767	66.6	2836	70.4	2900	73.9	2959	77.3	3022	81.0
8000	5040	2499	55.3	2535	57.1	2573	59.0	2642	62.6	2709	66.2	2781	70.1	2842	73.6	2904	77.3	2970	81.2	3033	85.0
8400	5291	2513	58.1	2551	60.1	2584	61.9	2652	65.6	2725	69.7	2786	73.2	2851	77.1	2919	81.2	2976	84.8	3036	88.6
8800	5543	2527	60.9	2561	62.8	2596	64.7	2669	68.9	2732	72.6	2798	76.7	2864	80.8	2923	84.5	2985	88.6	3051	93.0
9200	5795	2540	63.7	2576	65.8	2614	68.0	2678	71.8	2746	76.0	2811	80.1	2872	84.1	2937	88.4	2998	92.6	3054	96.5
9600	6047	2558	66.7	2592	68.8	2625	70.8	2694	75.1	2759	79.3	2822	83.5	2889	88.0	2947	92.1	3006	96.3	3069	100.8
10000	6299	2573	69.6	2607	71.8	2642	74.0	2709	78.3	2773	82.7	2839	87.3	2898	91.4	2960	95.9	3022	100.5	3077	104.7
10500	6614	2594	73.4	2629	75.8	2664	78.1	2727	82.4	2795	87.2	2855	91.5	2917	96.2	2979	100.9	3035	105.3	3094	109.9
11000	6929	2617	77.5	2651	79.8	2683	82.1	2750	86.8	2813	91.5	2875	96.2	2938	101.1	2994	105.6	3054	110.5	3113	115.4
11500	7244	2639	81.6	2672	83.9	2705	86.3	2771	91.3	2833	96.0	2898	101.1	2955	105.8	3015	110.8	3074	115.8		

Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Performance shown is for installation type B - Free inlet, Ducted outlet.  
 AMCA Certified Ratings Seal does not apply to the above data.

Wheel Diameter = 33.00 in.  
 Outlet Area = 1.97 sq. ft. inside  
 Tip Speed, fpm = 8.64 x RPM



Model 45 Maximum RPM 2792  
 Maximum Belt Drive Motor HP 200

Size  
**19** SISW

**Design 6620 AM Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5600	2824	2178	42.0	2215	43.7	2254	45.5	2321	48.8	2379	51.8	2441	55.1	2507	58.8	2577	62.9	2634	66.3	2683	69.5
5800	2925	2180	43.1	2213	44.6	2248	46.3	2321	49.9	2389	53.4	2444	56.5	2503	59.8	2565	63.5	2631	67.5	2697	71.7
6000	3026	2189	44.5	2219	45.9	2250	47.4	2315	50.7	2385	54.4	2455	58.2	2508	61.3	2564	64.7	2623	68.3	2685	72.3
6200	3127	2183	45.3	2222	47.1	2259	48.9	2318	52.0	2381	55.4	2448	59.1	2519	63.2	2571	66.4	2624	69.8	2679	73.4
6400	3228	2183	46.3	2218	48.0	2254	49.8	2327	53.6	2384	56.7	2445	60.2	2509	63.9	2577	68.1	2632	71.7	2683	75.0
6600	3328	2188	47.6	2220	49.2	2253	50.9	2321	54.5	2394	58.5	2449	61.7	2507	65.1	2568	69.0	2633	73.1	2693	77.2
6800	3429	2190	48.8	2228	50.7	2258	52.3	2320	55.6	2387	59.4	2458	63.5	2512	66.8	2567	70.3	2626	74.1	2688	78.3
7000	3530	2188	49.8	2224	51.6	2261	53.6	2325	57.1	2386	60.6	2451	64.4	2519	68.6	2573	72.1	2627	75.6	2683	79.5
7200	3631	2191	51.0	2224	52.8	2258	54.6	2330	58.6	2391	62.1	2450	65.6	2512	69.6	2579	73.8	2633	77.5	2685	81.1
7600	3833	2196	53.5	2233	55.5	2267	57.4	2328	60.9	2392	64.7	2460	69.0	2517	72.6	2572	76.3	2631	80.4	2693	84.8
8000	4034	2203	56.1	2234	57.9	2267	59.7	2335	63.8	2399	67.8	2457	71.5	2518	75.6	2583	80.0	2637	83.9	2689	87.7
8400	4236	2206	58.5	2241	60.5	2277	62.7	2338	66.5	2400	70.5	2466	74.9	2523	78.8	2579	82.8	2638	87.1	2699	91.7
8800	4438	2216	61.3	2247	63.2	2278	65.2	2344	69.4	2408	73.7	2466	77.6	2526	82.0	2591	86.7	2642	90.6	2695	94.7
9200	4640	2219	63.7	2253	65.9	2288	68.1	2350	72.3	2411	76.5	2476	81.1	2532	85.3	2588	89.5	2646	94.1	2707	99.0
9600	4841	2230	66.6	2262	68.7	2292	70.8	2356	75.3	2420	79.8	2477	84.1	2537	88.6	2599	93.5	2650	97.6	2704	102.1
10000	5043	2236	69.1	2268	71.4	2302	73.8	2364	78.3	2424	82.8	2488	87.7	2543	92.0	2599	96.6	2657	101.5	2714	106.3
10500	5295	2248	72.6	2283	75.2	2312	77.3	2373	82.0	2438	87.1	2493	91.5	2551	96.3	2612	101.5	2663	106.0	2716	110.7
11000	5547	2262	76.2	2292	78.5	2323	80.9	2388	86.2	2444	90.8	2504	95.8	2563	101.0	2616	105.7	2671	110.7	2730	116.2
11500	5799	2273	79.6	2305	82.2	2339	84.9	2396	89.8	2457	95.0	2515	100.2	2570	105.1	2628	110.5	2682	115.7	2733	120.6
12000	6052	2289	83.4	2320	86.0	2349	88.5	2410	93.9	2469	99.2	2525	104.4	2585	110.0	2637	115.1	2690	120.4	2746	126.0
12500	6304	2302	87.0	2333	89.7	2364	92.5	2424	97.9	2481	103.3	2541	109.1	2593	114.3	2649	119.9	2704	125.7	2753	130.9
13000	6556	2317	90.9	2350	93.8	2379	96.5	2437	102.0	2497	107.9	2551	113.3	2608	119.1	2661	124.8	2713	130.3	2766	136.3
13500	6808	2334	94.9	2363	97.6	2393	100.5	2454	106.4	2509	112.0	2567	118.1	2620	123.7	2673	129.6	2729	135.9	2777	141.4
14000	7060	2349	98.8	2380	101.8	2410	104.9	2467	110.6	2527	116.9	2579	122.6	2635	128.7	2688	134.8	2738	140.6	2791	146.9
14500	7312	2367	103.1	2395	106.0	2424	109.0	2485	115.3	2539	121.2	2596	127.5	2648	133.6	2701	139.7	2755	146.3		

Power rating (BHP) does not include drive losses. Performance ratings do not include the effects of appurtenances in the airstream. Performance shown is for installation type B - Free inlet, Ducted outlet.  
 AMCA Certified Ratings Seal does not apply to the above data.



Size  
**21** SISW



Wheel Diameter = 36.50 in.  
Outlet Area = 2.41 sq. ft. inside  
Tip Speed, fpm = 9.56 x RPM

Model 45 Maximum RPM 2544  
Maximum Belt Drive Motor HP 250

**Design 6620 AM Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6500	2683	1979	50.1	2006	51.7	2034	53.5	2092	57.3	2154	61.5	2221	66.2	2274	70.2	2321	73.9	2370	77.9	2422	82.2
7000	2890	1971	52.1	2002	54.1	2035	56.1	2104	60.7	2157	64.5	2210	68.3	2265	72.6	2324	77.2	2386	82.3	2435	86.6
7500	3096	1977	55.0	2013	57.3	2041	59.2	2096	63.0	2155	67.2	2217	71.9	2276	76.5	2323	80.4	2373	84.6	2425	89.2
8000	3303	1978	57.7	2007	59.7	2038	61.8	2101	66.3	2163	70.8	2214	74.8	2268	79.2	2325	83.9	2385	89.1	2434	93.5
8500	3509	1980	60.5	2013	62.8	2047	65.2	2102	69.3	2158	73.6	2218	78.4	2280	83.4	2327	87.5	2376	92.0	2428	96.8
9000	3715	1988	63.8	2016	65.9	2045	68.0	2105	72.6	2169	77.6	2220	81.8	2272	86.3	2328	91.2	2387	96.6	2435	101.2
9500	3922	1988	66.6	2019	68.9	2051	71.4	2111	76.1	2165	80.5	2222	85.4	2283	90.8	2331	95.2	2380	99.9	2432	104.9
10000	4128	1995	69.9	2027	72.4	2054	74.6	2112	79.3	2173	84.5	2227	89.3	2279	94.0	2333	99.1	2391	104.7	2438	109.4
10500	4335	1999	73.0	2028	75.4	2059	77.9	2121	83.2	2174	87.9	2229	93.0	2289	98.5	2337	103.3	2387	108.3	2438	113.6
11000	4541	2006	76.3	2038	79.1	2066	81.5	2122	86.5	2181	91.9	2236	97.1	2287	102.1	2341	107.5	2398	113.4	2443	118.2
11500	4747	2013	79.7	2041	82.2	2071	84.8	2132	90.6	2184	95.5	2239	100.9	2297	106.7	2345	111.8	2395	117.1	2446	122.8
12000	4954	2020	82.9	2051	85.8	2081	88.7	2135	93.9	2192	99.6	2247	105.1	2297	110.5	2350	116.2	2405	122.2	2450	127.4
12500	5160	2030	86.5	2057	89.2	2085	92.0	2145	98.0	2198	103.4	2251	109.1	2308	115.3	2355	120.6	2405	126.3	2457	132.4
13000	5367	2036	89.8	2067	92.8	2097	96.0	2150	101.5	2206	107.5	2259	113.4	2310	119.1	2363	125.3	2414	131.4	2460	137.0
13500	5573	2048	93.6	2075	96.4	2103	99.3	2161	105.7	2213	111.5	2266	117.5	2321	124.0	2368	129.7	2417	135.8	2469	142.4
14000	5779	2056	96.9	2085	100.1	2115	103.4	2167	109.3	2222	115.7	2274	121.9	2325	128.0	2377	134.6	2426	140.8	2472	146.9
14500	5986	2068	100.8	2095	103.8	2122	106.9	2179	113.6	2230	119.7	2283	126.2	2335	132.9	2383	139.0	2432	145.6	2483	152.5
15000	6192	2077	104.2	2106	107.6	2135	111.0	2187	117.3	2241	124.2	2292	130.6	2342	137.1	2394	144.3	2440	150.5	2487	157.1
15500	6399	2089	108.2	2116	111.4	2143	114.7	2199	121.8	2249	128.2	2302	135.1	2352	141.9	2400	148.5	2450	155.7	2496	162.5
16000	6605	2099	111.9	2128	115.5	2156	118.9	2207	125.6	2262	132.9	2311	139.5	2361	146.5	2411	153.8	2456	160.4	2504	167.6
16500	6811	2112	116.0	2138	119.3	2165	122.9	2220	130.1	2270	137.0	2323	144.4	2371	151.3	2419	158.4	2469	166.1	2513	172.8
17000	7018	2123	119.9	2152	123.7	2178	127.1	2230	134.3	2283	141.7	2331	148.7	2382	156.3	2429	163.5	2475	170.7	2524	178.4
17500	7224	2135	124.0	2162	127.6	2189	131.4	2242	138.8	2293	146.1	2344	153.8	2391	160.9	2440	168.6	2487	176.2	2531	183.4
18000	7431	2147	128.2	2176	132.2	2201	135.7	2254	143.3	2305	150.9	2354	158.4	2404	166.3	2449	173.6	2497	181.4	2543	189.3
18500	7637	2159	132.5	2186	136.3	2214	140.3	2265	147.8	2316	155.7	2366	163.4	2413	171.1	2463	179.3	2507	186.7		

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Size  
**23** SISW



Wheel Diameter = 40.00 in.  
Outlet Area = 2.90 sq. ft. inside  
Tip Speed, fpm = 10.47 x RPM

Model 45 Maximum RPM 2321  
Maximum Belt Drive Motor HP 250

**Design 6620 AM Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8500	2939	1806	64.8	1835	67.2	1864	69.7	1926	75.1	1980	80.2	2027	84.8	2077	89.8	2130	95.3	2186	101.4	2237	107.1
9000	3112	1811	67.9	1844	70.8	1868	73.0	1920	77.7	1975	82.9	2033	88.7	2085	94.1	2130	98.8	2176	104.0	2225	109.6
9500	3285	1809	70.6	1837	73.1	1866	75.7	1928	81.5	1978	86.4	2027	91.5	2079	97.0	2134	103.0	2186	109.0	2227	113.9
10000	3457	1814	73.8	1845	76.7	1870	79.0	1922	84.1	1978	89.7	2037	95.9	2082	100.8	2128	106.1	2178	111.9	2229	118.2
10500	3630	1813	76.6	1841	79.2	1870	82.0	1931	88.1	1979	93.1	2029	98.6	2083	104.6	2138	111.1	2181	116.2	2225	121.7
11000	3803	1819	79.9	1848	82.8	1874	85.4	1926	90.9	1982	96.9	2036	102.8	2082	108.2	2131	114.0	2182	120.4	2235	127.1
11500	3976	1819	82.8	1847	85.6	1876	88.7	1933	94.8	1982	100.2	2034	106.2	2089	112.7	2135	118.5	2180	124.2	2227	130.3
12000	4149	1826	86.3	1854	89.2	1879	92.0	1932	97.9	1989	104.4	2037	110.2	2085	116.1	2136	122.5	2190	129.5	2231	135.1
12500	4322	1827	89.2	1855	92.3	1884	95.5	1938	101.7	1988	107.6	2040	114.1	2092	120.7	2137	126.5	2184	132.8	2233	139.7
13000	4495	1835	92.9	1861	95.8	1887	98.8	1940	105.2	1995	111.9	2042	117.9	2092	124.3	2144	131.4	2189	137.6	2232	143.8
13500	4668	1837	95.8	1865	99.1	1894	102.6	1945	108.9	1996	115.3	2049	122.4	2096	128.6	2142	135.1	2191	142.0	2241	149.4
14000	4840	1846	99.6	1871	102.6	1897	105.8	1951	112.8	2001	119.4	2050	125.9	2100	133.0	2149	140.0	2193	146.4	2238	153.3
14500	5013	1849	102.6	1877	106.2	1906	109.9	1954	116.3	2006	123.3	2057	130.5	2103	137.0	2151	144.1	2201	151.8	2243	158.2
15000	5186	1857	106.2	1883	109.6	1909	113.1	1963	120.6	2011	127.2	2060	134.3	2111	142.0	2155	148.6	2200	155.7	2248	163.3
15500	5359	1864	109.6	1892	113.5	1917	116.9	1966	123.9	2019	131.6	2065	138.5	2112	145.8	2162	153.6	2206	160.7	2249	167.8
16000	5532	1871	113.1	1897	116.7	1923	120.5	1975	128.1	2022	135.2	2073	143.1	2119	150.4	2164	157.7	2211	165.5	2257	173.3
16500	5705	1881	116.8	1907	120.6	1931	124.2	1981	131.8	2031	139.6	2077	147.0	2125	154.9	2172	162.7	2215	170.0	2260	177.9
17000	5878	1888	120.2	1914	124.1	1940	128.2	1988	135.7	2037	143.6	2086	151.7	2130	159.1	2177	167.2	2223	175.5	2264	182.9
17500	6050	1898	124.2	1922	127.9	1947	131.8	1998	140.1	2044	147.7	2092	155.8	2140	164.2	2182	171.8	2227	179.9	2274	188.7
18000	6223	1906	127.7	1932	131.9	1957	135.9	2004	143.8	2054	152.4	2099	160.1	2145	168.4	2192	177.2	2233	184.8	2276	193.1
18500	6396	1915	131.6	1940	135.6	1965	139.8	2014	148.1	2060	156.2	2109	165.1	2152	173.0	2196	181.4	2243	190.5	2283	198.4
19000	6569	1925	135.6	1950	139.8	1974	143.8	2023	152.3	2070	160.7	2115	169.1	2162	178.2	2204	186.3	2247	194.8	2292	204.1
19500	6742	1933	139.5	1959	143.8	1985	148.3	2031	156.4	2079	165.2	2124	173.8	2168	182.4	2214	191.7	2255	200.0	2297	208.7
20000	6915	1944	143.8	1968	147.9	1992	152.2	2042	161.1	2087	169.5	2134	178.7	2177	187.3	2220	196.1	2265	205.6	2305	214.2
21000	7261	1962	152.3	1987	156.7	2013	161.2	2059	170.0	2106	179.1	2151	188.2	2194	197.1	2239	206.7	2280	215.7	2320	224.8

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Performance Data

Wheel Diameter = 45.125 in.  
 Outlet Area = 3.69 sq. ft. inside  
 Tip Speed, fpm = 11.81 x RPM



Model 45 Maximum RPM 2056  
 Maximum Belt Drive Motor HP 350

Size  
**26** SISW

**Design 6620 AM Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10500	2841	1598	80.8	1626	84.1	1655	87.6	1702	93.6	1746	99.4	1792	105.8	1842	112.9	1894	120.7	1933	126.7	1970	132.7
11000	2976	1599	83.8	1624	86.7	1648	89.8	1701	96.5	1755	103.7	1795	109.5	1838	115.7	1883	122.5	1930	130.0	1980	138.1
11500	3111	1602	86.8	1631	90.4	1653	93.2	1698	99.3	1747	105.9	1799	113.3	1845	120.2	1884	126.3	1925	132.9	1968	140.1
12000	3247	1599	89.3	1625	92.6	1652	96.1	1705	103.3	1748	109.3	1793	115.9	1841	123.2	1891	131.1	1931	137.6	1969	144.1
12500	3382	1605	92.8	1628	95.8	1651	98.9	1701	105.8	1754	113.4	1797	119.9	1839	126.4	1883	133.6	1930	141.4	1978	149.7
13000	3517	1603	95.3	1630	99.0	1658	102.8	1702	109.1	1748	116.0	1798	123.5	1845	131.1	1884	137.6	1926	144.6	1969	152.2
13500	3653	1605	98.4	1629	101.8	1654	105.3	1707	113.0	1751	119.7	1795	126.6	1842	134.2	1891	142.5	1930	149.3	1969	156.3
14000	3788	1609	101.8	1634	105.4	1657	108.7	1704	115.7	1754	123.5	1800	130.9	1841	137.8	1885	145.3	1931	153.5	1976	161.7
14500	3923	1608	104.5	1634	108.3	1661	112.3	1707	119.4	1752	126.6	1800	134.5	1847	142.6	1887	149.5	1928	157.0	1971	165.1
15000	4058	1613	108.0	1636	111.5	1660	115.2	1710	123.1	1756	130.6	1799	137.9	1845	145.8	1893	154.5	1932	161.7	1970	169.2
15500	4194	1615	111.1	1642	115.3	1664	118.9	1710	126.2	1758	134.3	1804	142.3	1846	149.7	1889	157.7	1935	166.4	1976	174.5
16000	4329	1617	114.2	1641	118.1	1666	122.2	1714	130.2	1758	137.7	1805	146.0	1851	154.5	1891	161.9	1932	170.0	1975	178.6
16500	4464	1623	117.9	1645	121.6	1668	125.4	1717	133.7	1763	142.0	1806	149.7	1850	158.1	1896	167.2	1935	174.7	1974	182.7
17000	4599	1624	120.9	1650	125.2	1674	129.4	1718	137.1	1765	145.7	1811	154.2	1852	162.0	1895	170.6	1940	179.8	1979	187.9
17500	4735	1628	124.2	1651	128.3	1676	132.6	1724	141.3	1767	149.3	1812	158.0	1857	166.9	1897	174.9	1938	183.5	1981	192.8
18000	4870	1634	128.0	1656	132.0	1679	136.0	1726	144.8	1772	153.6	1814	161.8	1858	170.7	1903	180.1	1941	188.2	1980	196.8
19000	5141	1641	134.5	1664	138.8	1687	143.3	1735	152.6	1777	161.1	1822	170.4	1865	179.7	1905	188.2	1946	197.5	1989	207.5
20000	5411	1650	141.3	1675	146.1	1699	151.1	1741	159.9	1786	169.5	1830	178.9	1870	187.9	1913	197.7	1954	207.5	1991	216.4
21000	5682	1663	148.8	1685	153.4	1707	158.0	1752	167.9	1795	177.6	1837	187.1	1880	197.3	1920	207.0	1958	216.4	1999	226.6
22000	5952	1673	155.7	1696	160.6	1718	165.7	1763	175.9	1804	185.7	1848	196.4	1888	206.0	1927	216.1	1969	226.9	2006	236.8
23000	6223	1686	163.1	1709	168.5	1731	173.6	1773	183.7	1817	194.7	1857	204.6	1897	215.2	1939	226.4	1975	236.2	2014	246.7
24000	6493	1700	171.2	1721	176.2	1742	181.4	1787	192.5	1827	202.8	1868	213.7	1909	224.8	1946	235.2	1986	246.4	2025	257.8
25000	6764	1711	178.9	1734	184.3	1757	190.1	1798	200.6	1840	211.8	1880	222.9	1919	233.8	1959	245.6	1996	256.5	2032	267.6
26000	7035	1726	187.5	1748	193.1	1768	198.4	1811	209.7	1852	220.9	1892	232.1	1933	244.3	1969	255.1	2007	266.8	2046	279.2
27000	7305	1738	196.1	1760	201.7	1782	207.4	1824	218.8	1865	230.3	1906	242.3	1943	253.5	1982	265.7	2019	277.6	2055	289.1

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
 AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Wheel Diameter = 50.50 in.  
 Outlet Area = 4.62 sq. ft. inside  
 Tip Speed, fpm = 13.22 x RPM



Model 45 Maximum RPM 1857  
 Maximum Belt Drive Motor HP 350

Size  
**29** SISW

**Design 6620 AM Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	2827	1433	100.3	1458	104.4	1485	108.9	1525	116.0	1565	123.3	1607	131.3	1652	140.2	1700	150.0	1732	156.9	1766	164.5
13500	2936	1433	103.0	1455	106.7	1478	110.7	1528	119.4	1570	127.3	1608	134.6	1648	142.7	1690	151.4	1734	161.1	1774	170.1
14000	3045	1438	106.6	1458	110.0	1479	113.7	1523	121.6	1569	130.4	1614	139.2	1650	146.5	1687	154.5	1727	163.2	1768	172.7
14500	3153	1435	108.8	1460	113.2	1485	117.6	1524	124.9	1566	132.9	1610	141.8	1657	151.6	1691	159.0	1726	167.0	1764	175.6
15000	3262	1434	111.5	1457	115.6	1481	119.8	1530	129.1	1568	136.5	1607	144.7	1650	153.6	1694	163.4	1732	172.0	1765	180.0
16000	3480	1438	117.7	1463	122.5	1484	126.5	1525	134.4	1568	143.2	1614	152.9	1652	161.3	1688	169.6	1727	178.6	1767	188.4
17000	3697	1440	123.9	1461	128.0	1483	132.3	1529	141.6	1572	150.8	1610	159.1	1650	168.2	1693	178.2	1733	188.1	1766	196.5
18000	3915	1442	129.8	1465	134.5	1489	139.5	1530	148.3	1571	157.2	1614	167.1	1656	176.9	1691	185.6	1728	195.0	1768	205.2
19000	4132	1448	136.8	1469	141.3	1490	145.7	1532	155.1	1578	165.6	1615	174.4	1654	183.9	1694	194.2	1736	205.0	1769	213.9
20000	4350	1450	142.7	1472	147.5	1494	152.6	1538	162.8	1577	172.1	1618	182.2	1661	193.3	1696	202.4	1732	212.3	1770	222.9
21000	4567	1455	149.5	1479	155.0	1499	159.7	1540	169.5	1583	180.3	1622	190.4	1659	200.3	1699	211.1	1740	222.6	1773	232.1
22000	4784	1461	156.2	1482	161.2	1503	166.4	1547	177.8	1585	187.6	1625	198.2	1667	209.8	1702	219.8	1738	230.3	1775	241.5
23000	5002	1467	162.8	1489	168.5	1511	174.2	1550	184.4	1591	195.7	1631	206.9	1667	217.3	1706	228.7	1746	240.8	1778	251.0
24000	5219	1475	170.1	1495	175.3	1515	180.8	1557	192.6	1596	203.5	1634	214.7	1675	226.9	1710	237.8	1745	248.9	1783	260.9
25000	5437	1481	176.6	1502	182.6	1524	188.8	1562	199.8	1602	211.7	1641	223.7	1677	234.8	1715	246.9	1753	259.5	1786	270.5
26000	5654	1491	184.3	1510	189.8	1529	195.6	1570	208.0	1608	219.8	1646	231.7	1685	244.6	1720	256.1	1755	268.0	1792	280.9
27000	5872	1497	190.9	1517	197.1	1539	203.7	1577	215.5	1615	228.1	1654	240.9	1689	252.8	1726	265.6	1763	278.6	1796	290.4
28000	6089	1507	198.8	1526	204.8	1546	210.9	1586	223.9	1623	236.4	1660	249.1	1699	262.9	1732	274.9	1767	287.7	1804	301.5
29000	6307	1515	205.9	1535	212.4	1556	219.2	1593	231.7	1631	245.0	1668	258.3	1703	271.1	1740	284.9	1775	298.1	1808	310.9
30000	6524	1526	214.2	1544	220.4	1563	226.8	1603	240.5	1639	253.6	1676	267.0	1713	281.2	1746	294.0	1781	307.8	1817	322.5
31000	6742	1533	221.7	1554	228.5	1574	235.7	1611	248.7	1649	262.7	1685	276.3	1719	289.9	1756	304.7	1789	318.0	1822	331.8
32000	6959	1545	230.5	1563	237.0	1582	243.7	1622	258.1	1657	271.4	1693	285.7	1729	300.0	1762	313.8	1797	328.6	1830	343.0
33000	7177	1552	238.7	1573	245.8	1593	253.0	1629	266.6	1668	281.4	1702	295.1	1737	309.7	1772	324.7	1804	338.6	1838	353.5
34000	7394	1563	247.9	1582	254.7	1601	261.7	1640	276.4	1675	290.4	1712	305.5	1746	319.7	1780	334.5	1815	350.4	1846	364.4
35000	7612	1572	256.9	1592	264.3	1612	271.4	1648	285.7	1686	300.8	1720	315.1	1756	330.5	1789	345.3	1822	360.2	1856	376.2

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
 AMCA Certified Ratings Seal does not apply to the above data.

Size  
**33** SISW



Wheel Diameter = 57.50 in.  
Outlet Area = 5.99 sq. ft. inside  
Tip Speed, fpm = 15.05 x RPM

Model 45 Maximum RPM 1623  
Maximum Belt Drive Motor HP 350

**Design 6620 AM Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18000	3023	1262	137.0	1280	141.5	1299	146.3	1338	156.8	1380	168.4	1417	178.9	1449	188.6	1483	199.2	1518	210.6	1556	223.2
19000	3191	1260	142.0	1282	147.5	1304	153.4	1341	163.5	1376	173.6	1413	184.7	1453	197.0	1488	208.2	1518	218.3	1550	229.1
20000	3359	1263	148.4	1282	153.3	1301	158.5	1340	169.7	1383	182.0	1415	191.9	1448	202.6	1484	214.3	1522	227.1	1557	239.5
21000	3527	1263	153.9	1284	159.8	1306	166.0	1341	176.2	1378	187.2	1416	199.3	1454	211.8	1485	222.2	1517	233.4	1551	245.6
22000	3695	1266	160.3	1284	165.6	1303	171.2	1344	183.3	1382	195.1	1415	205.9	1450	217.8	1488	230.7	1523	243.4	1552	254.3
23000	3863	1267	166.3	1288	172.6	1308	178.7	1343	189.6	1381	201.5	1420	214.7	1453	226.0	1485	237.6	1519	250.2	1555	263.8
24000	4031	1269	172.7	1288	178.4	1307	184.4	1348	197.5	1383	209.0	1417	220.9	1454	233.9	1491	247.5	1521	258.8	1552	271.1
25000	4199	1272	179.2	1293	185.9	1311	191.7	1347	203.6	1385	216.6	1422	229.6	1454	241.4	1488	254.2	1524	268.2	1557	281.5
26000	4367	1275	185.5	1294	191.7	1313	198.2	1352	211.7	1386	223.6	1422	236.7	1460	251.0	1491	263.1	1522	275.8	1556	289.4
27000	4535	1279	192.5	1299	199.3	1316	205.2	1353	218.1	1391	232.3	1424	244.8	1458	257.8	1493	272.0	1527	286.0	1557	298.5
28000	4703	1281	198.7	1300	205.4	1320	212.4	1357	225.9	1391	238.9	1428	253.3	1462	266.9	1494	279.9	1527	294.0	1562	309.3
29000	4871	1287	206.2	1305	212.7	1323	219.2	1360	233.2	1396	247.5	1429	260.7	1464	275.1	1499	290.1	1529	303.1	1560	317.1
30000	5038	1290	212.2	1309	219.5	1329	227.2	1363	240.6	1398	254.9	1435	270.1	1466	283.4	1499	297.8	1534	313.5	1564	327.5
31000	5206	1295	219.7	1313	226.5	1331	233.6	1369	249.0	1402	262.9	1436	277.4	1472	293.3	1502	307.1	1534	321.6	1567	337.2
32000	5374	1299	226.2	1319	234.1	1337	241.5	1371	255.8	1407	271.5	1440	286.1	1473	300.8	1507	316.8	1538	331.8	1568	346.3
33000	5542	1305	233.3	1322	240.7	1341	248.5	1377	264.2	1410	278.9	1445	294.9	1477	310.2	1508	325.1	1541	341.2	1573	357.5
34000	5710	1311	240.7	1329	248.6	1346	255.9	1381	271.6	1416	287.8	1448	302.8	1481	319.2	1514	335.3	1544	350.3	1575	366.6
35000	5878	1316	247.4	1334	255.5	1352	264.0	1386	279.4	1420	295.6	1454	312.3	1485	327.7	1517	344.3	1550	361.3	1578	376.5
36000	6046	1323	255.4	1340	263.0	1357	271.0	1393	288.2	1425	303.8	1458	320.5	1491	337.7	1521	353.4	1552	370.2	1585	388.2
37000	6214	1328	262.4	1346	271.2	1363	279.3	1397	295.5	1432	313.3	1463	329.1	1495	346.2	1527	364.1	1556	379.9	1586	397.0
38000	6382	1334	270.1	1351	278.4	1369	287.1	1403	304.1	1436	320.9	1470	339.2	1499	355.3	1531	372.7	1563	391.3	1591	407.4
39000	6550	1341	278.4	1358	286.8	1375	295.0	1409	312.6	1442	329.8	1473	347.1	1507	365.8	1536	382.3	1566	400.0	1597	419.1
40000	6718	1347	286.0	1364	294.8	1383	304.0	1415	320.8	1448	339.1	1479	356.4	1510	374.2	1543	393.4	1571	410.2	1600	428.2
42000	7054	1360	303.0	1378	312.1	1394	320.6	1428	338.8	1460	357.0	1491	375.0	1524	394.6	1552	412.2	1582	430.8	1612	450.9
44000	7390	1374	320.8	1390	329.5	1407	338.6	1441	357.7	1472	375.3	1505	395.3	1534	413.7	1564	432.9	1595	453.3	1622	471.5

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Size  
**37** SISW



Wheel Diameter = 64.375 in.  
Outlet Area = 7.49 sq. ft. inside  
Tip Speed, fpm = 16.85 x RPM

Model 45 Maximum RPM 1427  
Maximum Belt Drive Motor HP 350

**Design 6620 AM Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22000	2939	1123	167.8	1141	173.9	1159	180.3	1197	194.5	1231	207.4	1260	219.4	1291	232.4	1324	246.6	1359	262.3	1391	277.2
23000	3073	1128	174.8	1144	180.7	1160	186.6	1193	199.1	1229	213.1	1267	228.6	1294	240.5	1323	253.2	1353	267.1	1384	282.1
24000	3206	1124	179.1	1143	186.0	1162	193.3	1196	206.5	1227	219.0	1260	232.8	1295	248.0	1328	263.1	1355	275.6	1382	289.0
25000	3340	1126	185.5	1143	191.7	1160	198.3	1196	212.6	1232	227.5	1261	240.0	1292	253.7	1324	268.6	1359	285.0	1387	299.4
26000	3474	1127	191.5	1147	199.2	1163	205.5	1195	218.5	1229	232.9	1265	248.7	1295	262.1	1323	275.7	1353	290.4	1385	306.4
27000	3607	1127	197.0	1144	204.0	1163	211.4	1199	226.5	1229	239.6	1262	254.0	1296	269.9	1328	285.5	1355	298.9	1383	313.4
28000	3741	1131	204.2	1147	210.7	1163	217.5	1198	232.2	1234	248.5	1263	261.8	1293	276.2	1325	292.0	1359	309.2	1386	323.4
29000	3874	1130	209.5	1149	217.4	1167	225.4	1198	238.9	1231	253.9	1266	270.4	1296	285.0	1325	299.4	1355	315.1	1387	332.1
30000	4008	1132	215.9	1149	223.2	1166	230.8	1203	247.4	1233	261.3	1264	276.4	1297	293.0	1329	309.2	1356	323.7	1384	339.3
31000	4142	1135	223.0	1152	230.5	1168	237.6	1201	253.0	1237	269.9	1266	284.6	1296	299.9	1328	316.6	1361	334.5	1387	349.0
32000	4275	1135	228.6	1153	236.7	1172	245.3	1203	260.3	1235	276.0	1269	293.2	1299	308.8	1328	324.3	1358	341.0	1390	359.2
33000	4409	1138	235.6	1154	243.2	1171	251.2	1207	268.5	1237	283.8	1268	299.8	1301	317.3	1331	334.0	1358	349.6	1387	366.4
34000	4542	1141	242.3	1159	251.0	1174	258.5	1206	274.6	1241	292.4	1271	308.2	1300	324.5	1332	342.3	1363	360.2	1389	375.9
35000	4676	1142	248.4	1159	256.9	1177	265.9	1209	282.3	1241	298.9	1274	317.1	1303	333.5	1332	350.1	1362	368.1	1393	387.4
36000	4810	1146	255.8	1162	263.8	1178	272.2	1213	290.4	1243	307.0	1274	324.0	1306	342.7	1335	359.8	1362	376.6	1391	394.7
38000	5077	1151	268.8	1168	277.8	1185	287.3	1217	304.8	1248	322.5	1280	341.9	1309	359.0	1337	376.8	1368	396.2	1396	415.0
40000	5344	1158	282.9	1176	293.0	1191	301.6	1222	319.9	1255	339.9	1283	357.5	1313	376.3	1344	396.7	1371	414.6	1398	433.0
42000	5611	1166	297.3	1182	306.4	1197	316.0	1230	336.5	1259	355.0	1289	374.6	1320	395.4	1347	413.7	1375	433.4	1405	454.6
44000	5878	1173	311.1	1190	321.2	1206	331.9	1236	351.3	1266	371.7	1297	392.6	1324	411.9	1353	432.8	1382	454.2	1408	473.3
46000	6146	1183	326.4	1199	336.9	1213	346.7	1244	367.5	1274	388.9	1302	409.1	1332	431.0	1360	451.9	1386	472.4	1414	494.3
48000	6413	1191	341.5	1206	351.8	1222	362.6	1253	384.4	1281	405.3	1311	428.1	1338	448.9	1366	470.6	1394	493.9	1420	514.8
50000	6680	1200	357.2	1216	368.5	1231	379.5	1260	400.8	1291	424.1	1318	445.2	1346	467.8	1374	491.3	1400	512.6	1426	535.6
52000	6947	1210	374.4	1225	384.9	1240	395.9	1271	419.4	1298	441.0	1327	464.4	1355	487.4	1381	509.9	1408	534.1		
54000	7214	1218	391.0	1234	402.4	1250	414.5	1278	436.6	1308	460.4	1335	483.3	1363	506.7	1391	531.9	1416	554.3		
56000	7482	1228	409.5	1243	420.9	1258	432.1	1288	456.1	1316	479.2	1344	503.2	1372	527.8	1398	551.2	1424	576.4		

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Performance Data

Wheel Diameter = 71.25 in.  
 Outlet Area = 9.20 sq. ft. inside  
 Tip Speed, fpm = 18.65 x RPM



Model 45 Maximum RPM 1294  
 Maximum Belt Drive Motor HP 350

Size  
**41** SISW

**Design 6620 AM Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
27000	2938	1013	205.9	1029	213.4	1046	221.4	1080	238.7	1111	254.6	1137	269.2	1165	285.2	1195	302.8	1227	322.1	1255	340.2
28000	3046	1017	213.1	1031	220.1	1046	227.4	1077	243.1	1110	260.7	1142	278.4	1167	293.1	1193	309.0	1221	326.4	1251	345.3
29000	3155	1015	217.5	1033	226.4	1050	235.2	1078	249.7	1107	265.7	1139	283.4	1172	303.0	1196	318.0	1221	333.9	1247	351.1
30000	3264	1014	223.0	1031	231.1	1047	239.6	1082	258.2	1109	273.1	1137	289.3	1167	307.1	1198	326.6	1225	344.1	1249	359.9
31000	3373	1017	230.0	1032	237.5	1047	245.5	1079	262.6	1112	281.6	1139	297.4	1166	313.7	1194	331.6	1224	351.2	1254	371.3
32000	3482	1017	235.4	1035	244.9	1050	252.9	1079	268.8	1109	286.3	1142	305.7	1169	322.6	1194	339.2	1221	357.1	1250	376.6
33000	3590	1017	240.9	1033	249.6	1050	258.8	1081	276.8	1109	293.1	1139	311.0	1170	330.6	1198	348.9	1222	365.6	1248	383.6
34000	3699	1019	247.8	1034	255.9	1049	264.5	1081	283.1	1112	301.5	1139	318.2	1167	336.4	1197	356.3	1226	376.2	1249	393.0
36000	3917	1020	259.5	1036	269.0	1053	278.9	1082	296.5	1111	314.4	1142	334.1	1171	353.9	1196	371.2	1223	389.9	1250	410.2
38000	4135	1024	273.6	1039	282.5	1054	291.3	1084	310.2	1116	331.1	1142	348.9	1170	367.7	1198	388.3	1228	410.0	1251	427.8
40000	4352	1026	285.4	1041	295.0	1057	305.1	1088	325.6	1115	344.1	1144	364.4	1175	386.5	1200	404.8	1225	424.5	1252	445.8
42000	4570	1030	298.9	1046	310.0	1060	319.4	1089	339.0	1120	360.5	1147	380.8	1174	400.6	1202	422.1	1231	445.2	1254	464.2
44000	4787	1034	312.5	1048	322.4	1063	332.9	1095	355.4	1121	375.2	1149	396.3	1179	419.5	1204	439.7	1229	460.5	1256	483.0
46000	5005	1037	325.6	1053	337.0	1069	348.4	1096	368.9	1125	391.3	1154	413.8	1179	434.7	1206	457.3	1235	481.7	1258	502.0
48000	5223	1043	340.3	1057	350.7	1072	361.6	1102	385.2	1129	407.1	1156	429.4	1185	453.7	1210	475.6	1235	497.8	1261	521.7
50000	5440	1047	353.2	1062	365.1	1078	377.6	1105	399.7	1133	423.3	1161	447.5	1186	469.7	1213	493.7	1240	519.1	1263	540.9
52000	5658	1054	368.6	1068	379.7	1082	391.2	1111	416.0	1138	439.7	1164	463.4	1192	489.2	1217	512.3	1242	536.1	1267	561.7
54000	5875	1059	381.8	1073	394.2	1088	407.4	1115	431.1	1143	456.1	1170	481.8	1195	505.5	1221	531.2	1247	557.3	1270	580.8
56000	6093	1066	397.6	1080	409.6	1093	421.7	1122	447.8	1148	472.9	1174	498.2	1202	525.7	1225	549.8	1250	575.3	1276	602.9
58000	6311	1071	411.7	1086	424.8	1101	438.5	1127	463.5	1154	490.0	1180	516.7	1205	542.1	1231	569.7	1255	596.3	1279	621.7
60000	6528	1079	428.4	1092	440.9	1106	453.6	1134	481.1	1160	507.1	1185	534.0	1212	562.5	1235	588.1	1260	615.6	1285	645.0
62000	6746	1085	443.5	1099	457.1	1114	471.4	1139	497.4	1166	525.4	1192	552.7	1216	579.9	1242	609.3	1265	636.0	1288	663.6
64000	6963	1093	461.2	1106	474.0	1119	487.4	1147	516.2	1172	542.9	1198	571.5	1223	600.1	1247	627.6	1271	657.2		
66000	7181	1098	477.4	1113	491.6	1127	506.1	1153	533.2	1180	562.7	1204	590.3	1229	619.3	1254	649.5	1276	677.2		
68000	7399	1106	496.0	1119	509.4	1133	523.5	1160	553.0	1185	580.8	1211	611.0	1235	639.5	1259	669.0	1284	700.6		

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
 AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Size  
**11** SISW



Wheel Diameter = 19.125 in.  
Outlet Area = 0.66 sq. ft. inside  
Tip Speed, fpm = 5.01 x RPM

Model 45 Maximum RPM 4108<sup>†</sup>  
Maximum Belt Drive Motor HP 40

**Design 6640 WF-PT Industrial Centrifugal Fans**

Volume O.Vel		22"SP		23"SP		24"SP		25"SP		26"SP		27"SP		28"SP		29"SP		30"SP		32"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
1500	2264	3361	11.3	3425	11.9	3492	12.5	3562	13.2	3634	13.9	3710	14.6	3777	15.3	3832	15.9	3890	16.6	4010	18.0
1600	2415	3357	11.6	3431	12.3	3509	13.0	3580	13.7	3640	14.3	3702	14.9	3767	15.6	3834	16.4	3903	17.1	4033	18.7
1700	2566	3373	12.1	3443	12.7	3508	13.4	3575	14.0	3645	14.7	3719	15.5	3789	16.3	3844	16.9	3902	17.6	4023	19.0
1800	2717	3373	12.5	3444	13.1	3518	13.8	3596	14.6	3655	15.2	3717	15.9	3781	16.6	3847	17.4	3916	18.2	4040	19.7
1900	2868	3383	12.9	3461	13.7	3524	14.3	3590	15.0	3658	15.7	3730	16.5	3801	17.3	3857	17.9	3915	18.6	4038	20.1
2000	3019	3391	13.4	3459	14.1	3531	14.8	3606	15.6	3671	16.3	3732	16.9	3795	17.7	3861	18.4	3929	19.3	4049	20.8
2100	3170	3398	13.8	3475	14.6	3542	15.3	3606	16.0	3673	16.7	3743	17.5	3814	18.3	3870	19.0	3929	19.8	4053	21.3
2200	3321	3410	14.4	3477	15.0	3547	15.8	3620	16.6	3687	17.3	3748	18.0	3811	18.8	3876	19.6	3944	20.4	4061	22.0
2300	3471	3416	14.8	3490	15.6	3560	16.4	3624	17.1	3690	17.8	3759	18.7	3828	19.5	3885	20.2	3944	21.0	4069	22.6
2400	3622	3432	15.4	3497	16.1	3565	16.9	3637	17.7	3704	18.5	3765	19.2	3828	20.0	3893	20.8	3961	21.7	4075	23.3
2500	3773	3437	15.9	3509	16.7	3580	17.5	3643	18.2	3709	19.0	3777	19.8	3844	20.7	3902	21.5	3961	22.3	4087	24.0
2600	3924	3453	16.5	3519	17.2	3586	18.0	3656	18.8	3723	19.7	3784	20.4	3847	21.2	3912	22.1	3979	23.0	4091	24.6
2700	4075	3460	17.0	3531	17.8	3602	18.6	3665	19.4	3730	20.2	3797	21.1	3862	22.0	3920	22.8	3980	23.6	4107	25.4
2800	4226	3476	17.6	3543	18.4	3609	19.2	3678	20.0	3744	20.9	3805	21.7	3868	22.6	3933	23.5	3996	24.4		
2900	4377	3485	18.1	3555	18.9	3625	19.8	3688	20.6	3752	21.5	3820	22.4	3882	23.3	3940	24.1	4001	25.0		
3000	4528	3501	18.7	3568	19.6	3634	20.4	3703	21.3	3767	22.2	3828	23.0	3891	23.9	3956	24.9	4015	25.8		
3200	4830	3528	19.9	3594	20.8	3660	21.7	3729	22.6	3791	23.5	3852	24.4	3916	25.4	3980	26.4	4036	27.2		
3400	5132	3555	21.2	3620	22.1	3687	23.0	3756	24.0	3816	24.9	3878	25.9	3943	26.9	4003	27.8	4060	28.8		
3600	5434	3581	22.5	3647	23.4	3714	24.4	3782	25.4	3842	26.4	3905	27.4	3971	28.4	4028	29.4	4086	30.4		
3800	5735	3608	23.8	3673	24.8	3741	25.8	3807	26.9	3869	27.9	3933	28.9	3996	30.0	4053	31.0				
4000	6037	3633	25.2	3699	26.2	3768	27.3	3832	28.3	3895	29.4	3961	30.5	4020	31.6	4080	32.6				
4200	6339	3658	26.6	3725	27.7	3794	28.8	3857	29.9	3922	31.0	3987	32.1	4046	33.2	4107	34.4				
4400	6641	3684	28.1	3751	29.2	3820	30.4	3883	31.5	3949	32.7	4011	33.8	4071	34.9						
4600	6943	3711	29.6	3779	30.8	3845	32.0	3909	33.1	3976	34.4	4036	35.5	4098	36.7						
4800	7245	3740	31.2	3808	32.5	3872	33.6	3937	34.9	4001	36.1	4062	37.3								

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.  
<sup>†</sup> Belt Drive is not recommended above 3600 RPM

Size  
**13** SISW



Wheel Diameter = 22.625 in.  
Outlet Area = 0.93 sq. ft. inside  
Tip Speed, fpm = 5.92 x RPM

Model 45 Maximum RPM 3445  
Maximum Belt Drive Motor HP 60

**Design 6640 WF-PT Industrial Centrifugal Fans**

Volume O.Vel		22"SP		23"SP		24"SP		25"SP		26"SP		27"SP		28"SP		29"SP		30"SP		32"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
2300	2485	2846	16.5	2904	17.4	2964	18.3	3027	19.3	3093	20.4	3142	21.3	3192	22.2	3244	23.1	3298	24.1	3411	26.4
2400	2594	2852	17.0	2918	18.0	2971	18.8	3026	19.7	3084	20.7	3144	21.7	3206	22.8	3258	23.8	3305	24.7	3405	26.7
2500	2702	2853	17.3	2914	18.3	2978	19.3	3040	20.3	3091	21.2	3144	22.1	3199	23.1	3256	24.2	3315	25.3	3416	27.4
2600	2810	2866	17.9	2920	18.8	2977	19.7	3036	20.7	3098	21.7	3158	22.8	3207	23.7	3257	24.7	3310	25.7	3420	27.9
2700	2918	2862	18.2	2927	19.3	2989	20.3	3042	21.2	3097	22.1	3154	23.2	3213	24.3	3272	25.4	3319	26.3	3417	28.4
2800	3026	2870	18.7	2928	19.7	2988	20.7	3051	21.8	3107	22.8	3158	23.7	3212	24.7	3267	25.8	3324	26.9	3427	29.1
2900	3134	2875	19.2	2939	20.2	2993	21.2	3049	22.2	3108	23.2	3170	24.4	3222	25.4	3271	26.3	3323	27.4	3431	29.7
3000	3242	2878	19.6	2939	20.7	3002	21.8	3058	22.8	3112	23.7	3167	24.8	3224	25.9	3284	27.1	3332	28.1	3430	30.2
3200	3458	2890	20.6	2954	21.7	3011	22.8	3065	23.8	3122	24.8	3181	26.0	3237	27.1	3286	28.1	3337	29.2	3444	31.6
3400	3674	2905	21.7	2964	22.8	3020	23.8	3077	24.9	3138	26.1	3191	27.2	3242	28.2	3295	29.3	3350	30.5		
3600	3890	2919	22.8	2975	23.8	3033	25.0	3094	26.2	3147	27.2	3199	28.3	3254	29.5	3311	30.7	3362	31.9		
3800	4106	2930	23.8	2989	25.0	3050	26.2	3104	27.3	3157	28.4	3213	29.6	3272	30.9	3320	32.0	3370	33.2		
4000	4323	2945	25.0	3007	26.2	3062	27.3	3116	28.5	3173	29.7	3229	31.0	3279	32.1	3331	33.3	3384	34.6		
4200	4539	2963	26.2	3020	27.4	3075	28.6	3133	29.8	3189	31.1	3240	32.3	3293	33.5	3348	34.8	3398	36.1		
4400	4755	2979	27.4	3035	28.6	3093	29.9	3149	31.1	3201	32.4	3255	33.7	3312	35.0	3360	36.2	3409	37.5		
4600	4971	2993	28.6	3052	29.9	3109	31.2	3162	32.4	3218	33.8	3273	35.1	3323	36.4	3374	37.7	3427	39.1		
4800	5187	3010	29.9	3069	31.2	3123	32.5	3180	33.9	3235	35.2	3286	36.5	3338	37.9	3393	39.3	3441	40.6		
5000	5403	3028	31.2	3083	32.5	3141	33.9	3197	35.3	3249	36.6	3303	38.0	3357	39.5	3405	40.8				
5200	5619	3042	32.5	3100	33.9	3157	35.3	3211	36.7	3267	38.1	3320	39.6	3370	41.0	3422	42.4				
5400	5835	3058	33.8	3117	35.3	3172	36.7	3229	38.2	3282	39.7	3334	41.1	3388	42.6	3439	44.1				
5600	6052	3075	35.3	3131	36.7	3189	38.2	3244	39.7	3297	41.2	3352	42.7	3403	44.2						
5800	6268	3089	36.6	3147	38.2	3204	39.7	3258	41.2	3315	42.8	3366	44.3	3418	45.8						
6000	6484	3105	38.1	3164	39.7	3219	41.2	3276	42.8	3329	44.4	3382	46.0	3437	47.6						
6400	6916	3138	41.2	3196	42.8	3251	44.4	3306	46.1	3361	47.8	3413	49.4								
6800	7348	3174	44.5	3230	46.1	3286	47.9	3339	49.5	3394	51.3										

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Performance Data

Wheel Diameter = 26.125 in.  
 Outlet Area = 1.23 sq. ft. inside  
 Tip Speed, fpm = 6.84 x RPM



Model 45 Maximum RPM 2988  
 Maximum Belt Drive Motor HP 75

Size  
**15** SISW

**Design 6640 WF-PT Industrial Centrifugal Fans**

Volume O.Vel		22"SP		23"SP		24"SP		25"SP		26"SP		27"SP		28"SP		29"SP		30"SP		32"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3200	2597	2471	22.6	2529	24.0	2575	25.1	2623	26.3	2673	27.6	2724	28.9	2778	30.4	2824	31.7	2865	32.9	2951	35.6
3400	2760	2477	23.5	2527	24.6	2579	25.9	2633	27.3	2687	28.7	2730	29.9	2774	31.2	2821	32.5	2869	33.9	2970	37.1
3600	2922	2481	24.3	2536	25.6	2591	27.0	2636	28.2	2684	29.5	2733	30.9	2785	32.3	2836	33.9	2877	35.1	2961	37.8
3800	3084	2494	25.4	2541	26.6	2591	27.8	2642	29.2	2696	30.7	2743	32.1	2787	33.3	2832	34.7	2879	36.1	2978	39.3
4000	3247	2495	26.2	2547	27.5	2602	29.0	2651	30.3	2697	31.6	2745	33.0	2794	34.5	2846	36.1	2889	37.4	2973	40.2
4200	3409	2504	27.2	2558	28.6	2605	29.9	2655	31.3	2706	32.8	2758	34.3	2800	35.7	2845	37.0	2890	38.5	2985	42.8
4400	3571	2511	28.2	2561	29.6	2614	31.0	2667	32.6	2712	33.9	2758	35.3	2806	36.8	2856	38.4	2901	39.9		
4600	3734	2519	29.2	2573	30.8	2622	32.2	2669	33.6	2719	35.1	2771	36.7	2815	38.1	2858	39.5	2904	41.1		
4800	3896	2530	30.4	2578	31.8	2629	33.3	2681	34.9	2728	36.3	2773	37.8	2820	39.3	2869	40.9	2915	42.5		
5000	4058	2536	31.4	2589	33.0	2640	34.5	2686	35.9	2734	37.5	2785	39.1	2830	40.7	2873	42.2	2918	43.7		
5200	4221	2549	32.6	2598	34.1	2646	35.6	2697	37.2	2745	38.8	2790	40.3	2836	41.9	2884	43.6	2930	45.3	2985	42.8
5400	4383	2556	33.7	2607	35.3	2659	36.9	2705	38.4	2752	40.0	2801	41.7	2847	43.4	2890	44.9	2934	46.6		
5600	4545	2568	34.9	2618	36.5	2666	38.1	2716	39.8	2764	41.4	2808	43.0	2854	44.7	2901	46.4	2946	48.1		
5800	4708	2577	36.1	2627	37.7	2679	39.5	2725	41.0	2771	42.7	2820	44.5	2865	46.1	2908	47.8	2952	49.5		
6000	4870	2588	37.3	2639	39.0	2686	40.6	2736	42.4	2784	44.1	2828	45.8	2873	47.5	2920	49.4	2964	51.1		
6200	5032	2599	38.5	2648	40.2	2700	42.1	2745	43.7	2792	45.5	2840	47.3	2885	49.0	2927	50.8	2972	52.6	2985	42.8
6400	5195	2609	39.8	2661	41.6	2708	43.3	2756	45.1	2804	47.0	2848	48.7	2894	50.5	2941	52.4	2982	54.2		
6600	5357	2620	41.1	2669	42.9	2721	44.8	2766	46.5	2813	48.3	2861	50.3	2905	52.0	2948	53.8				
6800	5519	2630	42.4	2682	44.3	2729	46.1	2777	48.0	2825	49.9	2869	51.7	2915	53.6	2962	55.6				
7000	5682	2641	43.8	2690	45.6	2741	47.6	2787	49.4	2834	51.3	2882	53.3	2925	55.2	2969	57.1				
7400	6006	2661	46.5	2711	48.4	2762	50.5	2808	52.4	2855	54.4	2903	56.5	2946	58.4						
7800	6331	2682	49.4	2731	51.4	2782	53.5	2828	55.5	2876	57.6	2923	59.7	2966	61.7						
8200	6656	2703	52.3	2752	54.4	2802	56.6	2848	58.7	2896	60.9	2942	63.0								
8600	6980	2725	55.4	2774	57.6	2823	59.8	2869	62.0	2917	64.3	2962	66.5								
9000	7305	2748	58.7	2796	61.0	2844	63.2	2891	65.5	2939	67.8	2983	70.0								

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
 AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Wheel Diameter = 29.625 in.  
 Outlet Area = 1.59 sq. ft. inside  
 Tip Speed, fpm = 7.76 x RPM



Model 45 Maximum RPM 2600  
 Maximum Belt Drive Motor HP 100

Size  
**17** SISW

**Design 6640 WF-PT Industrial Centrifugal Fans**

Volume O.Vel		22"SP		23"SP		24"SP		25"SP		26"SP		27"SP		28"SP		29"SP		30"SP		32"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4000	2520	2159	26.4	2202	27.7	2247	29.1	2294	30.7	2344	32.4	2387	33.9	2424	35.2	2463	36.7	2503	38.2	2588	41.6
4200	2646	2158	27.1	2208	28.7	2255	30.2	2296	31.5	2338	33.0	2382	34.6	2428	36.2	2475	38.0	2512	39.5	2585	42.5
4400	2772	2162	28.0	2206	29.4	2252	30.9	2300	32.5	2348	34.2	2386	35.6	2426	37.1	2467	38.6	2510	40.3	2599	44.0
4600	2898	2163	28.8	2214	30.4	2257	31.9	2299	33.3	2343	34.9	2388	36.5	2436	38.3	2474	39.9	2511	41.4	2590	44.6
4800	3024	2166	29.6	2211	31.1	2258	32.7	2306	34.4	2349	36.0	2388	37.5	2430	39.1	2473	40.8	2518	42.6	2595	45.9
5000	3150	2168	30.5	2219	32.2	2260	33.7	2303	35.2	2348	36.9	2395	38.6	2437	40.3	2475	41.8	2514	43.5	2597	47.0
5200	3276	2171	31.4	2216	33.0	2264	34.6	2311	36.4	2351	37.9	2392	39.5	2435	41.2	2480	43.0	2522	44.8	2596	48.1
5400	3402	2175	32.3	2223	34.0	2265	35.6	2309	37.2	2355	39.0	2400	40.8	2438	42.3	2478	44.0	2519	45.7		
5600	3528	2178	33.2	2223	34.9	2271	36.7	2314	38.3	2355	39.9	2398	41.7	2442	43.5	2486	45.3	2523	47.0		
5800	3654	2183	34.3	2229	35.9	2271	37.6	2316	39.3	2363	41.2	2403	42.8	2443	44.5	2484	46.3	2527	48.2		
6000	3780	2186	35.2	2232	36.9	2280	38.8	2320	40.4	2362	42.1	2406	43.9	2451	45.9	2488	47.5	2527	49.3		
6400	4032	2196	37.2	2242	39.0	2286	40.8	2328	42.6	2370	44.4	2415	46.3	2455	48.1	2493	49.9	2533	51.8		
6800	4284	2208	39.3	2254	41.3	2296	43.0	2338	44.9	2381	46.8	2423	48.7	2461	50.5	2501	52.4	2543	54.5		
7200	4536	2221	41.6	2266	43.5	2307	45.3	2350	47.3	2393	49.3	2432	51.2	2471	53.1	2512	55.1	2553	57.2		
7600	4788	2237	43.9	2278	45.8	2320	47.8	2364	49.9	2404	51.8	2443	53.7	2484	55.8	2524	57.9	2561	59.9		
8000	5040	2251	46.3	2292	48.2	2336	50.3	2377	52.4	2416	54.4	2457	56.5	2498	58.7	2534	60.7	2572	62.7		
8400	5291	2266	48.6	2308	50.7	2352	53.0	2391	55.0	2431	57.1	2473	59.4	2509	61.4	2547	63.6	2586	65.8		
8800	5543	2282	51.1	2325	53.4	2366	55.5	2406	57.7	2448	60.0	2485	62.2	2523	64.3	2563	66.6				
9200	5795	2299	53.7	2341	56.0	2381	58.2	2423	60.6	2462	62.8	2500	65.1	2540	67.4	2578	69.8				
9600	6047	2317	56.5	2357	58.7	2398	61.1	2439	63.4	2477	65.7	2517	68.2	2556	70.6	2592	72.9				
10000	6299	2333	59.2	2374	61.5	2416	64.0	2455	66.3	2495	68.8	2534	71.3	2570	73.6						
10500	6614	2354	62.7	2396	65.2	2437	67.7	2476	70.2	2516	72.8	2554	75.2	2591	77.7						
11000	6929	2375	66.5	2417	69.1	2458	71.6	2497	74.2	2538	76.9	2574	79.4								
11500	7244	2396	70.5	2439	73.2	2478	75.7	2519	78.4	2558	81.1	2596	83.7								
12000	7559	2417	74.7	2459	77.4	2499	80.1	2541	82.9	2579	85.5										

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
 AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.



Size  
**19** SISW



Wheel Diameter = 33.00 in.  
Outlet Area = 1.97 sq. ft. inside  
Tip Speed, fpm = 8.64 x RPM

Model 45 Maximum RPM 2333  
Maximum Belt Drive Motor HP 125

**Design 6640 WF-PT Industrial Centrifugal Fans**

Volume Q.Vel		22"SP		23"SP		24"SP		25"SP		26"SP		27"SP		28"SP		29"SP		30"SP		32"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5000	2522	1932	33.0	1971	34.6	2011	36.4	2053	38.3	2097	40.4	2136	42.3	2169	44.0	2204	45.8	2240	47.8	2316	52.0
5200	2622	1931	33.7	1978	35.7	2016	37.4	2053	39.2	2092	41.0	2132	43.0	2174	45.2	2213	47.2	2245	49.0	2312	52.8
5400	2723	1932	34.5	1973	36.3	2017	38.3	2062	40.4	2096	42.1	2132	43.9	2170	45.8	2208	47.9	2249	50.1	2319	54.1
5600	2824	1938	35.5	1977	37.2	2016	39.0	2056	41.0	2098	43.0	2140	45.2	2174	46.9	2209	48.8	2245	50.8	2320	55.2
5800	2925	1935	36.1	1979	38.1	2022	40.1	2058	41.9	2096	43.8	2136	45.9	2177	48.0	2217	50.2	2249	52.0	2317	56.0
6000	3026	1938	37.1	1978	38.9	2020	40.9	2063	43.0	2102	45.0	2137	46.8	2174	48.8	2212	51.0	2252	53.2	2322	57.3
6400	3228	1941	38.7	1983	40.8	2027	42.9	2064	44.8	2102	46.8	2140	48.9	2181	51.1	2220	53.4	2253	55.3	2321	59.5
6800	3429	1946	40.6	1990	42.8	2028	44.7	2066	46.7	2106	48.9	2148	51.2	2183	53.2	2218	55.3	2254	57.4	2330	62.2
7200	3631	1954	42.6	1993	44.6	2032	46.7	2073	48.9	2114	51.2	2149	53.2	2185	55.3	2222	57.6	2262	60.0	2329	64.4
7600	3833	1958	44.5	1998	46.6	2039	48.9	2079	51.1	2115	53.2	2153	55.4	2191	57.8	2230	60.2	2263	62.3	2332	66.9
8000	4034	1965	46.5	2006	48.8	2046	51.0	2083	53.2	2121	55.5	2161	57.9	2196	60.1	2231	62.4	2267	64.7		
8400	4236	1974	48.7	2014	51.0	2052	53.2	2090	55.5	2131	58.0	2165	60.2	2201	62.5	2238	65.0	2276	67.6		
8800	4438	1984	50.9	2021	53.1	2061	55.5	2100	58.0	2135	60.3	2172	62.6	2210	65.2	2245	67.6	2278	70.0		
9200	4640	1992	53.1	2032	55.5	2071	58.0	2106	60.3	2144	62.8	2182	65.4	2216	67.7	2250	70.2	2286	72.8		
9600	4841	2003	55.4	2042	57.9	2079	60.3	2117	62.9	2154	65.5	2188	67.9	2224	70.4	2260	73.1	2294	75.6		
10000	5043	2014	57.8	2051	60.3	2090	62.9	2127	65.5	2162	68.0	2198	70.6	2235	73.4	2268	75.8	2301	78.4		
10500	5295	2027	60.8	2065	63.4	2104	66.2	2139	68.7	2175	71.4	2213	74.2	2246	76.8	2279	79.4	2314	82.3		
11000	5547	2042	63.9	2081	66.7	2117	69.4	2153	72.1	2190	75.0	2224	77.7	2258	80.4	2293	83.3	2327	86.2		
11500	5799	2057	67.2	2095	70.0	2131	72.8	2168	75.7	2203	78.5	2237	81.3	2272	84.3	2307	87.2				
12000	6052	2073	70.6	2109	73.4	2146	76.3	2183	79.3	2217	82.2	2252	85.2	2287	88.2	2319	91.1				
12500	6304	2087	74.0	2124	76.9	2162	80.0	2197	82.9	2232	86.0	2268	89.1	2300	92.1						
13000	6556	2102	77.5	2141	80.6	2176	83.7	2212	86.8	2248	90.0	2281	93.0	2315	96.2						
13500	6808	2118	81.3	2155	84.4	2191	87.5	2229	90.8	2262	93.9	2296	97.2	2331	100.5						
14000	7060	2134	85.2	2170	88.3	2207	91.6	2242	94.8	2277	98.1	2313	101.5								
14500	7312	2148	89.2	2186	92.5	2222	95.8	2257	99.1	2294	102.5	2327	105.8								

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Size  
**21** SISW



Wheel Diameter = 36.50 in.  
Outlet Area = 2.41 sq. ft. inside  
Tip Speed, fpm = 9.56 x RPM

Model 45 Maximum RPM 2124  
Maximum Belt Drive Motor HP 150

**Design 6640 WF-PT Industrial Centrifugal Fans**

Volume Q.Vel		22"SP		23"SP		24"SP		25"SP		26"SP		27"SP		28"SP		29"SP		30"SP		32"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6000	2477	1745	39.7	1782	41.8	1820	44.1	1860	46.6	1897	48.9	1928	51.0	1960	53.1	1993	55.5	2027	57.9	2100	63.4
6500	2683	1747	41.7	1786	44.0	1827	46.5	1861	48.7	1894	50.8	1928	53.1	1964	55.6	2000	58.2	2038	61.0	2095	65.4
7000	2890	1751	43.8	1792	46.3	1827	48.5	1861	50.7	1897	53.1	1934	55.7	1972	58.5	2002	60.7	2033	63.0	2096	68.0
7500	3096	1757	46.1	1793	48.4	1828	50.7	1864	53.1	1903	55.8	1938	58.3	1969	60.6	2001	63.1	2035	65.7	2106	71.4
8000	3303	1759	48.3	1795	50.6	1832	53.1	1871	55.8	1905	58.2	1937	60.6	1971	63.2	2007	65.9	2043	68.9	2102	73.8
8500	3509	1762	50.5	1800	53.0	1839	55.8	1873	58.2	1906	60.7	1941	63.3	1978	66.2	2011	68.8	2041	71.3	2105	76.8
9000	3715	1768	52.9	1807	55.7	1841	58.2	1876	60.7	1912	63.5	1949	66.4	1980	68.9	2012	71.5	2044	74.3	2112	80.2
9500	3922	1776	55.5	1811	58.1	1846	60.7	1882	63.5	1918	66.4	1950	69.0	1983	71.7	2017	74.6	2052	77.7	2112	83.1
10000	4128	1782	58.1	1817	60.7	1853	63.6	1889	66.4	1922	69.1	1955	71.9	1990	74.9	2023	77.8	2053	80.5	2117	86.5
10500	4335	1789	60.7	1826	63.6	1861	66.5	1894	69.2	1928	72.1	1964	75.2	1995	78.0	2026	80.8	2059	83.8	2123	90.0
11000	4541	1798	63.5	1835	66.5	1868	69.3	1902	72.2	1938	75.4	1969	78.2	2001	81.1	2034	84.2	2067	87.4		
11500	4747	1809	66.5	1842	69.3	1877	72.3	1912	75.5	1944	78.3	1976	81.4	2010	84.6	2041	87.6	2071	90.6		
12000	4954	1817	69.3	1852	72.4	1887	75.5	1919	78.5	1953	81.6	1987	85.0	2017	87.9	2048	91.0	2080	94.3		
12500	5160	1828	72.3	1863	75.5	1896	78.6	1929	81.8	1963	85.1	1994	88.2	2025	91.4	2058	94.9	2088	98.0		
13000	5367	1839	75.5	1872	78.6	1906	81.9	1940	85.2	1971	88.4	2004	91.8	2036	95.2	2066	98.4	2096	101.7		
13500	5573	1849	78.5	1883	81.9	1917	85.3	1949	88.5	1982	92.0	2014	95.4	2044	98.7	2075	102.2	2107	105.8		
14000	5779	1860	81.7	1894	85.2	1927	88.6	1961	92.2	1992	95.6	2023	99.0	2055	102.6	2086	106.1	2115	109.5		
14500	5986	1871	85.1	1905	88.5	1939	92.2	1971	95.6	2003	99.2	2036	103.0	2065	106.4	2095	110.0				
15000	6192	1882	88.4	1917	92.2	1949	95.7	1982	99.3	2015	103.1	2045	106.6	2076	110.3	2107	114.2				
15500	6399	1894	92.0	1927	95.6	1961	99.4	1993	103.1	2024	106.8	2056	110.6	2087	114.4	2116	118.1				
16000	6605	1905	95.6	1939	99.4	1972	103.2	2004	106.9	2037	110.9	2067	114.6	2097	118.4						
16500	6811	1916	99.3	1950	103.2	1983	107.0	2016	111.0	2047	114.8	2078	118.7	2109	122.8						
17000	7018	1928	103.2	1961	107.1	1995	111.1	2026	115.0	2058	119.0	2090	123.1	2119	127.0						
17500	7224	1938	107.2	1973	111.3	2005	115.2	2038	119.3	2070	123.3	2100	127.3								
18000	7431	1951	111.4	1983	115.4	2017	119.5	2049	123.6	2081	127.7	2112	132.0								

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Performance Data

Wheel Diameter = 40.00 in.  
 Outlet Area = 2.90 sq. ft. inside  
 Tip Speed, fpm = 10.47 x RPM

Model 45 Maximum RPM 1925  
 Maximum Belt Drive Motor HP 200



Size  
**23** SISW

**Design 6640 WF-PT Industrial Centrifugal Fans**

Volume Q.Vel		22"SP		23"SP		24"SP		25"SP		26"SP		27"SP		28"SP		29"SP		30"SP		32"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
7000	2420	1592	47.8	1628	50.6	1665	53.5	1698	56.3	1726	58.8	1756	61.4	1787	64.2	1819	67.2	1853	70.5	1912	76.5
7500	2593	1599	50.0	1634	52.8	1664	55.3	1696	58.0	1729	60.9	1763	64.0	1799	67.3	1825	69.9	1852	72.6	1909	78.4
8000	2766	1601	52.0	1633	54.6	1667	57.4	1703	60.5	1737	63.6	1765	66.2	1794	69.0	1824	72.0	1855	75.1	1920	82.0
8500	2939	1603	53.9	1639	56.9	1675	60.0	1704	62.7	1735	65.5	1767	68.5	1800	71.8	1834	75.2	1860	77.9	1915	83.8
9000	3112	1611	56.4	1643	59.2	1675	62.0	1708	65.0	1742	68.2	1774	71.4	1802	74.2	1831	77.2	1861	80.3		
9500	3285	1613	58.4	1646	61.4	1681	64.5	1715	67.7	1744	70.6	1774	73.6	1805	76.8	1838	80.2	1869	83.6	1922	89.6
10000	3457	1617	60.7	1653	64.0	1685	67.0	1716	69.9	1748	73.1	1781	76.6	1812	79.7	1839	82.8	1868	86.0		
10500	3630	1625	63.4	1656	66.3	1688	69.4	1722	72.8	1754	76.0	1783	79.1	1813	82.3	1844	85.7	1877	89.4		
11000	3803	1628	65.6	1662	68.9	1697	72.3	1726	75.3	1757	78.6	1789	82.0	1822	85.6	1849	88.7	1877	92.0		
11500	3976	1635	68.3	1668	71.6	1699	74.8	1731	78.1	1765	81.7	1794	84.9	1823	88.2	1853	91.7	1884	95.4		
12000	4149	1640	70.9	1672	74.2	1706	77.7	1738	81.1	1768	84.4	1798	87.8	1830	91.5	1859	95.0	1887	98.4		
12500	4322	1646	73.6	1681	77.2	1711	80.5	1742	83.9	1775	87.5	1805	91.1	1834	94.5	1863	98.1	1893	101.8		
13000	4495	1654	76.6	1685	79.9	1718	83.5	1751	87.2	1780	90.6	1809	94.1	1840	97.9	1871	101.7	1898	105.1		
13500	4668	1659	79.3	1693	82.9	1725	86.6	1755	90.1	1786	93.8	1818	97.7	1846	101.2	1874	104.8	1904	108.7		
14000	4840	1668	82.3	1699	85.9	1731	89.6	1763	93.5	1793	97.1	1822	100.8	1852	104.6	1883	108.7	1909	112.2		
14500	5013	1674	85.2	1706	89.0	1739	93.0	1769	96.6	1799	100.4	1831	104.5	1859	108.2	1887	111.9	1916	116.0		
15000	5186	1681	88.3	1714	92.2	1744	96.0	1776	100.0	1807	103.9	1835	107.7	1865	111.7	1896	116.0	1922	119.7		
15500	5359	1688	91.4	1720	95.3	1753	99.5	1783	103.3	1813	107.3	1844	111.5	1872	115.4	1900	119.4				
16000	5532	1695	94.5	1728	98.7	1759	102.6	1790	106.8	1821	111.0	1849	115.0	1879	119.1	1909	123.6				
16500	5705	1703	97.8	1734	101.9	1767	106.2	1797	110.3	1827	114.5	1858	118.9	1886	123.0	1914	127.1				
17000	5878	1709	100.9	1743	105.4	1773	109.5	1804	113.9	1835	118.3	1863	122.4	1893	126.8	1923	131.4				
17500	6050	1718	104.4	1749	108.6	1781	113.1	1811	117.5	1841	121.8	1872	126.4	1900	130.8						
18000	6223	1724	107.7	1757	112.3	1788	116.6	1818	121.1	1849	125.8	1878	130.1	1907	134.7						
19000	6569	1740	114.7	1772	119.5	1802	124.0	1833	128.7	1864	133.5	1892	138.0	1921	142.9						
20000	6915	1756	122.2	1788	127.1	1818	131.8	1848	136.6	1878	141.5	1907	146.3								

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
 AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Wheel Diameter = 45.125 in.  
 Outlet Area = 3.69 sq. ft. inside  
 Tip Speed, fpm = 11.81 x RPM

Model 45 Maximum RPM 1710  
 Maximum Belt Drive Motor HP 200



Size  
**26** SISW

**Design 6640 WF-PT Industrial Centrifugal Fans**

Volume Q.Vel		22"SP		23"SP		24"SP		25"SP		26"SP		27"SP		28"SP		29"SP		30"SP		32"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9500	2570	1415	63.7	1444	67.0	1471	70.3	1500	73.8	1530	77.5	1561	81.6	1589	85.4	1613	88.7	1637	92.2	1689	99.9
10000	2706	1414	65.3	1444	68.9	1476	72.7	1506	76.5	1532	79.8	1558	83.3	1586	87.1	1615	91.1	1644	95.5	1693	102.8
10500	2841	1420	67.7	1448	71.2	1476	74.6	1505	78.3	1535	82.2	1566	86.5	1591	89.9	1616	93.5	1641	97.2	1695	105.5
11000	2976	1419	69.5	1450	73.2	1482	77.2	1510	80.9	1536	84.4	1563	88.2	1591	92.2	1621	96.5	1649	100.6	1695	108.0
11500	3111	1425	72.0	1454	75.6	1481	79.2	1510	83.0	1541	87.2	1570	91.2	1594	94.8	1620	98.6	1646	102.7	1702	111.5
12000	3247	1425	74.0	1456	77.8	1487	82.0	1515	85.6	1541	89.4	1569	93.3	1598	97.6	1627	102.1	1651	105.7	1700	113.7
12500	3382	1431	76.6	1459	80.3	1487	84.0	1517	88.0	1547	92.4	1573	96.2	1599	100.0	1625	104.1	1652	108.4	1706	117.2
13000	3517	1432	78.7	1462	82.7	1494	87.0	1520	90.6	1547	94.6	1575	98.8	1604	103.2	1630	107.3	1655	111.2	1705	119.8
13500	3653	1438	81.4	1466	85.2	1494	89.1	1524	93.3	1553	97.7	1578	101.6	1605	105.6	1632	110.0	1660	114.6	1709	123.0
14000	3788	1439	83.6	1470	87.8	1500	92.0	1526	95.9	1554	100.1	1582	104.5	1611	109.0	1635	113.0	1660	117.2		
14500	3923	1446	86.5	1473	90.3	1501	94.5	1531	98.9	1559	103.2	1585	107.2	1611	111.6	1639	116.2	1666	120.8		
15000	4058	1448	88.8	1478	93.1	1507	97.4	1533	101.5	1561	105.9	1590	110.6	1616	114.8	1641	119.0	1667	123.5		
15500	4194	1453	91.7	1481	95.7	1510	100.1	1540	104.8	1566	108.9	1592	113.2	1619	117.8	1647	122.7	1671	126.9		
16000	4329	1456	94.2	1487	98.8	1514	103.0	1541	107.4	1570	112.0	1598	116.7	1622	120.9	1648	125.5	1675	130.3		
17000	4599	1466	99.9	1496	104.6	1523	109.0	1550	113.6	1579	118.5	1605	122.9	1630	127.5	1657	132.3	1684	137.5		
18000	4870	1476	105.8	1505	110.6	1532	115.1	1560	120.0	1588	124.9	1613	129.5	1639	134.4	1666	139.6	1691	144.3		
19000	5141	1486	111.9	1514	116.7	1542	121.6	1570	126.8	1596	131.5	1622	136.5	1649	141.7	1675	146.8	1698	151.6		
20000	5411	1496	118.2	1523	123.1	1552	128.3	1579	133.5	1605	138.5	1632	143.7	1659	149.1	1683	154.1	1708	159.3		
21000	5682	1505	124.4	1533	129.6	1562	135.2	1589	140.3	1615	145.7	1643	151.3	1667	156.5	1692	161.8				
22000	5952	1515	130.8	1544	136.4	1572	142.0	1598	147.4	1626	153.1	1652	158.7	1677	164.1	1703	169.9				
23000	6223	1525	137.6	1554	143.4	1581	149.0	1609	154.8	1636	160.7	1661	166.3	1687	172.1						
24000	6493	1536	144.6	1565	150.6	1591	156.3	1619	162.4	1645	168.2	1671	174.2	1698	180.5						
25000	6764	1548	152.1	1575	157.9	1602	164.0	1629	170.1	1655	176.1	1682	182.5	1707	188.5						
26000	7035	1559	159.8	1586	165.8	1614	172.1	1640	178.1	1666	184.5	1692	190.8								
27000	7305	1571	167.8	1598	174.1	1625	180.3	1651	186.6	1678	193.2	1702	199.4								

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.  
 AMCA Certified Ratings Seal does not apply to the above data.

Performance shown is for installation type B - Free inlet, Ducted outlet.



Size  
**13** SISW



Wheel Diameter = 22.625 in.  
Outlet Area = 0.93 sq. ft. inside  
Tip Speed, fpm = 5.92 x RPM

Model 45 Maximum RPM 4095†  
Maximum Belt Drive Motor HP 100

**Design 6650 AH Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3000	3242	3242	22.2	3295	23.0	3349	23.9	3453	25.6	3541	27.2	3636	29.0	3735	30.9	3826	32.7	3904	34.4	3986	36.2
3100	3350	3250	22.8	3298	23.6	3347	24.4	3449	26.2	3552	28.0	3637	29.6	3727	31.4	3822	33.3	3919	35.4	3993	37.0
3200	3458	3249	23.4	3306	24.3	3354	25.1	3447	26.7	3546	28.5	3649	30.5	3731	32.1	3816	33.9	3907	35.8	4002	37.9
3300	3566	3249	23.9	3300	24.8	3353	25.7	3455	27.5	3545	29.1	3640	31.0	3742	33.0	3822	34.7	3904	36.5	3990	38.4
3400	3674	3257	24.6	3304	25.4	3352	26.3	3454	28.1	3553	29.9	3640	31.6	3732	33.5	3829	35.6	3912	37.4	3990	39.2
3500	3782	3255	25.1	3311	26.1	3360	27.0	3453	28.7	3552	30.6	3649	32.5	3733	34.2	3821	36.1	3915	38.2	4000	40.2
3600	3890	3257	25.7	3307	26.6	3360	27.6	3460	29.4	3551	31.2	3647	33.1	3742	35.1	3823	36.9	3908	38.8	3998	40.9
3700	3998	3265	26.4	3312	27.3	3360	28.2	3462	30.1	3557	32.0	3645	33.8	3739	35.8	3833	37.9	3911	39.7	3993	41.6
3800	4106	3264	27.0	3319	28.0	3367	28.9	3461	30.7	3560	32.7	3651	34.6	3738	36.5	3829	38.5	3922	40.7	3998	42.5
4000	4323	3275	28.3	3322	29.2	3370	30.2	3471	32.2	3563	34.1	3653	36.1	3748	38.2	3834	40.2	3915	42.1	4001	44.2
4200	4539	3279	29.4	3329	30.5	3381	31.5	3476	33.6	3568	35.6	3666	37.8	3749	39.7	3835	41.8	3926	44.0	4008	46.1
4400	4755	3290	30.7	3343	31.9	3389	32.8	3483	34.9	3581	37.2	3666	39.2	3756	41.4	3848	43.7	3926	45.7	4008	47.8
4600	4971	3303	32.0	3349	33.0	3397	34.1	3497	36.4	3584	38.5	3676	40.8	3765	43.1	3847	45.2	3934	47.5	4020	49.8
4800	5187	3312	33.1	3361	34.3	3412	35.5	3502	37.7	3596	40.1	3684	42.4	3770	44.6	3860	47.1	3940	49.3	4020	51.5
5000	5403	3327	34.4	3376	35.6	3421	36.7	3515	39.1	3605	41.5	3693	43.9	3784	46.4	3864	48.6	3947	51.0	4035	53.6
5200	5619	3340	35.6	3387	36.8	3435	38.0	3527	40.5	3616	42.9	3707	45.5	3789	47.8	3876	50.4	3958	52.9	4036	55.3
5400	5835	3355	36.9	3404	38.2	3449	39.4	3540	41.9	3631	44.5	3715	46.9	3804	49.6	3884	52.1	3965	54.6	4050	57.3
5600	6052	3373	38.2	3417	39.4	3463	40.7	3556	43.3	3642	45.9	3732	48.6	3813	51.1	3896	53.8	3979	56.5	4055	59.0
5800	6268	3387	39.5	3434	40.8	3482	42.2	3568	44.7	3660	47.5	3742	50.0	3827	52.8	3909	55.5	3988	58.1	4070	61.0
6000	6484	3407	40.9	3451	42.2	3496	43.5	3588	46.3	3671	48.9	3759	51.7	3840	54.4	3921	57.1	4004	60.0	4078	62.7
6200	6700	3423	42.2	3469	43.6	3516	45.0	3601	47.7	3690	50.5	3771	53.2	3855	56.1	3936	58.9	4013	61.7	4094	64.7
6400	6916	3443	43.7	3489	45.1	3531	46.4	3621	49.3	3704	52.0	3789	54.9	3870	57.7	3950	60.6	4031	63.6		
6600	7132	3462	45.1	3506	46.5	3552	48.0	3637	50.8	3724	53.7	3804	56.5	3886	59.5	3966	62.4	4042	65.3		
6800	7348	3483	46.7	3528	48.1	3570	49.5	3658	52.4	3740	55.3	3823	58.3	3902	61.2	3981	64.2	4060	67.3		
7000	7565	3504	48.2	3547	49.7	3591	51.2	3675	54.0	3760	57.1	3840	60.0	3921	63.0	3998	66.1	4074	69.1		

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

† Belt Drive is not recommended above 3600 RPM

Size  
**15** SISW



Wheel Diameter = 26.125 in.  
Outlet Area = 1.23 sq. ft. inside  
Tip Speed, fpm = 6.84 x RPM

Model 45 Maximum RPM 3509  
Maximum Belt Drive Motor HP 125

**Design 6650 AH Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
3600	2922	2806	27.4	2852	28.5	2900	29.6	2993	31.9	3068	34.0	3148	36.2	3232	38.6	3322	41.3	3389	43.5	3456	45.7
3800	3084	2817	28.7	2859	29.7	2899	30.7	2984	32.8	3074	35.2	3159	37.6	3230	39.7	3305	42.0	3384	44.6	3468	47.3
4000	3247	2810	29.6	2855	30.7	2902	31.8	2993	34.2	3070	36.3	3151	38.6	3237	41.2	3317	43.6	3384	45.9	3455	48.2
4200	3409	2818	30.8	2863	32.0	2903	33.0	2987	35.2	3077	37.7	3157	40.0	3231	42.3	3308	44.7	3391	47.4	3468	50.0
4400	3571	2816	31.9	2860	33.0	2906	34.2	2995	36.6	3073	38.9	3155	41.3	3242	44.0	3313	46.3	3384	48.6	3458	51.2
4600	3734	2823	33.2	2868	34.4	2908	35.5	2992	37.8	3082	40.4	3158	42.7	3234	45.1	3314	47.7	3398	50.5	3462	52.8
4800	3896	2823	34.3	2866	35.5	2912	36.8	2999	39.3	3077	41.6	3161	44.2	3244	46.8	3314	49.2	3387	51.7	3465	54.5
5000	4058	2830	35.6	2875	36.9	2915	38.0	2999	40.5	3088	43.3	3162	45.6	3239	48.2	3321	50.9	3394	53.5	3462	56.0
5200	4221	2831	36.8	2875	38.0	2920	39.4	3005	42.0	3084	44.5	3168	47.2	3245	49.8	3317	52.4	3393	55.1	3474	58.1
5400	4383	2839	38.1	2883	39.4	2923	40.7	3007	43.3	3093	46.1	3167	48.6	3246	51.4	3328	54.3	3396	56.8	3466	59.5
5600	4545	2842	39.2	2885	40.6	2930	42.0	3013	44.7	3092	47.4	3177	50.4	3250	53.0	3324	55.7	3402	58.7	3474	61.5
5800	4708	2851	40.6	2894	42.0	2934	43.3	3018	46.1	3100	49.0	3176	51.7	3256	54.7	3331	57.5	3401	60.2	3474	63.2
6000	4870	2855	41.7	2898	43.2	2942	44.7	3023	47.5	3103	50.4	3185	53.4	3257	56.2	3333	59.2	3411	62.3	3477	65.0
6200	5032	2866	43.0	2907	44.5	2947	45.9	3031	49.0	3109	51.9	3186	54.8	3268	58.1	3337	60.8	3409	63.8	3485	67.1
6400	5195	2871	44.1	2913	45.7	2957	47.3	3035	50.3	3116	53.4	3194	56.5	3267	59.5	3345	62.7	3416	65.7	3484	68.7
6600	5357	2883	45.5	2922	47.0	2962	48.5	3046	51.8	3122	54.8	3200	58.0	3276	61.2	3347	64.2	3421	67.5	3493	70.8
6800	5519	2888	46.6	2931	48.3	2974	49.9	3051	53.0	3132	56.4	3205	59.5	3281	62.8	3357	66.2	3424	69.2	3495	72.5
7000	5682	2900	48.0	2939	49.5	2979	51.1	3062	54.5	3137	57.7	3216	61.2	3287	64.4	3360	67.7	3436	71.3	3501	74.3
7200	5844	2908	49.1	2950	50.9	2990	52.5	3068	55.8	3148	59.3	3220	62.5	3297	66.1	3367	69.4	3437	72.8		
7400	6006	2919	50.5	2958	52.1	2999	53.8	3078	57.3	3154	60.7	3231	64.2	3302	67.6	3376	71.2	3445	74.6		
7600	6169	2929	51.8	2971	53.6	3009	55.2	3088	58.7	3164	62.2	3238	65.7	3313	69.3	3381	72.7	3453	76.4		
8000	6493	2953	54.5	2992	56.2	3030	58.0	3110	61.7	3182	65.2	3258	68.9	3328	72.5	3399	76.2	3471	80.0		
8400	6818	2977	57.3	3015	59.1	3053	60.9	3131	64.6	3204	68.3	3278	72.1	3347	75.8	3419	79.8	3485	83.5		
8800	7143	3001	60.2	3040	62.1	3079	64.0	3153	67.7	3228	71.6	3298	75.4	3369	79.3	3438	83.2	3504	87.1		
9200	7468	3028	63.2	3067	65.2	3105	67.2	3178	71.0	3251	75.0	3321	78.8	3393	82.9	3458	86.8				

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Performance Data

Wheel Diameter = 29.625 in.  
 Outlet Area = 1.59 sq. ft. inside  
 Tip Speed, fpm = 7.76 x RPM



Model 45 Maximum RPM 3094  
 Maximum Belt Drive Motor HP 150

Size  
**17** SISW

**Design 6650 AH Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4600	2898	2436	31.5	2480	32.8	2520	34.0	2588	36.1	2660	38.5	2736	41.1	2814	43.9	2872	46.1	2933	48.5	2997	51.1
4800	3024	2435	32.5	2473	33.6	2513	34.8	2597	37.5	2663	39.8	2730	42.1	2801	44.7	2876	47.6	2944	50.3	3000	52.6
5000	3150	2443	33.7	2479	34.9	2514	36.0	2587	38.4	2666	41.0	2739	43.6	2801	46.0	2867	48.5	2936	51.3	3009	54.3
5200	3276	2436	34.6	2477	35.9	2519	37.3	2591	39.7	2660	42.1	2734	44.8	2812	47.7	2871	50.1	2932	52.6	2997	55.3
5400	3402	2440	35.9	2476	37.0	2514	38.3	2593	41.0	2667	43.6	2732	46.0	2801	48.7	2874	51.6	2941	54.4	2999	56.8
5600	3528	2441	37.0	2483	38.4	2519	39.6	2590	42.1	2664	44.8	2741	47.7	2802	50.1	2867	52.7	2936	55.6	3008	58.8
5800	3654	2440	38.1	2479	39.4	2518	40.8	2596	43.6	2663	46.1	2734	48.8	2810	51.8	2872	54.4	2933	57.0	2998	59.9
6000	3780	2448	39.5	2483	40.7	2519	42.0	2594	44.7	2671	47.7	2735	50.2	2803	53.0	2874	56.0	2941	58.9	2999	61.5
6200	3906	2444	40.5	2485	42.0	2527	43.5	2595	46.0	2667	48.8	2743	51.9	2805	54.5	2870	57.3	2938	60.3	3009	63.5
6400	4032	2448	41.8	2485	43.1	2523	44.6	2602	47.6	2668	50.3	2738	53.1	2811	56.2	2874	59.0	2936	61.8	3000	64.8
6600	4158	2451	43.0	2492	44.6	2526	45.9	2598	48.8	2675	51.9	2740	54.6	2807	57.5	2877	60.7	2942	63.7	3000	66.5
6800	4284	2452	44.2	2490	45.7	2530	47.3	2602	50.2	2672	53.1	2746	56.3	2810	59.2	2874	62.1	2941	65.3	3008	68.5
7000	4410	2459	45.6	2494	47.0	2530	48.5	2606	51.6	2675	54.6	2743	57.6	2815	60.9	2878	63.9	2940	66.8	3004	70.0
7200	4536	2459	46.7	2499	48.4	2536	49.9	2606	52.9	2680	56.2	2747	59.2	2812	62.3	2881	65.6	2945	68.7	3004	71.7
7400	4662	2463	47.9	2500	49.5	2538	51.1	2611	54.4	2679	57.5	2752	60.9	2816	64.0	2880	67.1	2947	70.5	3011	73.8
7600	4788	2469	49.3	2505	50.9	2540	52.4	2614	55.8	2684	59.0	2750	62.2	2821	65.7	2884	68.9	2945	72.1	3010	75.5
8000	5040	2476	51.6	2511	53.3	2548	55.0	2622	58.6	2689	61.9	2760	65.5	2824	68.8	2887	72.2	2954	75.8	3015	79.2
8400	5291	2484	54.0	2521	55.8	2560	57.8	2627	61.2	2698	64.9	2765	68.5	2829	72.0	2897	75.8	2957	79.3	3017	82.7
8800	5543	2495	56.5	2533	58.5	2567	60.3	2637	64.0	2706	67.8	2771	71.5	2840	75.5	2901	79.1	2963	82.8	3027	86.8
9200	5795	2508	59.1	2542	60.9	2577	62.8	2649	66.9	2714	70.6	2783	74.8	2845	78.5	2908	82.4	2974	86.6	3030	90.2
9600	6047	2519	61.5	2555	63.5	2591	65.6	2657	69.5	2726	73.7	2790	77.7	2854	81.7	2919	86.0	2977	89.9	3038	94.0
10000	6299	2534	64.1	2570	66.3	2603	68.2	2670	72.4	2737	76.6	2800	80.7	2866	85.1	2925	89.2	2988	93.5	3048	97.8
10500	6614	2554	67.5	2588	69.6	2620	71.7	2689	76.1	2751	80.3	2817	84.8	2878	89.0	2939	93.4	3001	98.0	3057	102.2
11000	6929	2575	71.1	2608	73.2	2641	75.3	2706	79.8	2769	84.2	2833	88.8	2893	93.2	2956	97.9	3012	102.3	3071	106.9
11500	7244	2598	74.7	2630	76.9	2664	79.2	2726	83.6	2790	88.3	2850	92.8	2911	97.5	2970	102.2	3027	106.8	3088	111.8

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Wheel Diameter = 33.00 in.  
 Outlet Area = 1.97 sq. ft. inside  
 Tip Speed, fpm = 8.64 x RPM



Model 45 Maximum RPM 2778  
 Maximum Belt Drive Motor HP 200

Size  
**19** SISW

**Design 6650 AH Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5600	2824	2187	38.8	2217	40.1	2248	41.4	2314	44.2	2384	47.4	2456	50.8	2509	53.5	2565	56.5	2624	59.7	2687	63.2
5800	2925	2178	39.5	2217	41.1	2256	42.8	2317	45.5	2379	48.4	2446	51.6	2517	55.1	2572	58.1	2625	61.0	2681	64.2
6000	3026	2178	40.6	2213	42.0	2248	43.5	2323	46.9	2383	49.7	2443	52.6	2506	55.9	2573	59.4	2635	62.8	2685	65.7
6200	3127	2185	41.9	2216	43.2	2248	44.6	2315	47.7	2387	51.1	2448	54.1	2505	57.1	2565	60.3	2629	63.9	2696	67.8
6400	3228	2180	42.8	2219	44.4	2255	46.1	2316	48.9	2381	52.0	2450	55.5	2512	58.7	2566	61.7	2623	65.0	2684	68.5
6600	3328	2180	43.9	2215	45.4	2251	47.0	2323	50.4	2381	53.3	2444	56.5	2510	60.0	2574	63.5	2626	66.5	2681	69.8
6800	3429	2185	45.2	2217	46.6	2250	48.2	2318	51.4	2388	54.9	2445	57.9	2506	61.1	2569	64.7	2635	68.5	2685	71.5
7000	3530	2184	46.2	2222	48.0	2254	49.5	2317	52.6	2384	56.0	2453	59.6	2508	62.6	2566	65.9	2627	69.5	2691	73.4
7200	3631	2183	47.3	2218	49.0	2254	50.7	2321	54.1	2382	57.2	2447	60.7	2515	64.4	2568	67.5	2624	70.9	2683	74.5
7600	3833	2188	49.8	2225	51.7	2256	53.2	2320	56.5	2389	60.2	2450	63.6	2508	66.9	2569	70.5	2634	74.5	2686	77.8
8000	4034	2191	52.3	2223	53.9	2257	55.7	2328	59.5	2388	62.8	2449	66.4	2515	70.3	2572	73.8	2627	77.2	2684	81.0
8400	4236	2193	54.6	2229	56.5	2265	58.6	2326	62.0	2391	65.7	2456	69.6	2512	73.1	2571	76.8	2634	80.9	2688	84.6
8800	4438	2201	57.3	2233	59.1	2264	60.9	2331	64.8	2395	68.7	2454	72.4	2517	76.4	2577	80.3	2631	84.0	2687	87.9
9200	4640	2203	59.6	2236	61.6	2271	63.6	2335	67.6	2397	71.5	2463	75.8	2519	79.5	2576	83.4	2637	87.7	2692	91.7
9600	4841	2209	62.1	2245	64.3	2275	66.2	2339	70.3	2404	74.7	2462	78.6	2523	82.8	2583	87.1	2637	91.0	2692	95.1
10000	5043	2215	64.5	2247	66.6	2280	68.8	2346	73.3	2406	77.4	2469	81.9	2527	86.0	2583	90.2	2643	94.7	2698	99.0
10500	5295	2222	67.5	2256	69.8	2290	72.2	2351	76.5	2414	81.2	2474	85.6	2531	90.0	2592	94.8	2646	99.1	2700	103.4
11000	5547	2233	70.6	2267	73.1	2297	75.3	2359	80.0	2422	84.8	2480	89.4	2541	94.3	2596	98.8	2651	103.4	2709	108.4
11500	5799	2244	73.8	2275	76.1	2306	78.5	2370	83.6	2428	88.3	2490	93.4	2546	98.2	2602	103.0	2661	108.3	2712	112.8
12000	6052	2254	76.9	2286	79.4	2318	82.0	2378	86.9	2439	92.1	2497	97.1	2554	102.2	2612	107.5	2664	112.3	2719	117.5
12500	6304	2267	80.1	2300	82.9	2329	85.3	2389	90.5	2449	95.7	2506	100.9	2565	106.4	2618	111.4	2673	116.8	2727	122.2
13000	6556	2282	83.6	2311	86.1	2342	88.7	2402	94.2	2459	99.4	2519	105.1	2572	110.2	2628	115.8	2682	121.3	2733	126.6
13500	6808	2296	86.9	2326	89.7	2357	92.5	2414	97.8	2473	103.5	2528	108.8	2584	114.5	2638	120.0	2690	125.6	2745	131.6
14000	7060	2313	90.6	2343	93.4	2371	96.1	2429	101.7	2485	107.2	2541	113.0	2595	118.6	2648	124.3	2703	130.4	2752	135.9
14500	7312	2329	94.3	2358	97.1	2387	100.0	2443	105.6	2499	111.3	2554	117.1	2607	122.9	2661	128.9	2712	134.6	2764	140.8

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.



Size  
**21** SISW



Wheel Diameter = 36.50 in.  
Outlet Area = 2.41 sq. ft. inside  
Tip Speed, fpm = 9.56 x RPM

Model 45 Maximum RPM 2512  
Maximum Belt Drive Motor HP 250

**Design 6650 AH Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
6500	2683	1969	45.3	2001	47.0	2035	48.8	2105	52.8	2157	56.0	2211	59.5	2267	63.2	2327	67.3	2391	71.9	2436	75.3
7000	2890	1973	47.9	2009	49.9	2039	51.7	2094	55.0	2153	58.6	2216	62.7	2277	66.8	2324	70.2	2374	73.9	2426	77.9
7500	3096	1975	50.7	2003	52.3	2033	54.1	2096	57.9	2162	62.1	2213	65.5	2266	69.2	2322	73.3	2382	77.8	2436	82.0
8000	3303	1972	53.2	2004	55.1	2037	57.2	2099	61.1	2154	64.7	2212	68.7	2274	73.0	2326	77.0	2375	80.7	2425	84.8
8500	3509	1976	56.2	2011	58.4	2038	60.1	2096	63.9	2158	68.1	2217	72.3	2268	76.1	2321	80.2	2378	84.6	2436	89.3
9000	3715	1978	59.2	2008	61.1	2038	63.1	2102	67.5	2158	71.4	2213	75.4	2271	79.8	2329	84.4	2377	88.3	2426	92.5
9500	3922	1979	62.1	2011	64.2	2044	66.5	2101	70.6	2159	74.8	2220	79.4	2272	83.5	2323	87.7	2377	92.3	2435	97.2
10000	4128	1985	65.3	2015	67.5	2044	69.5	2104	73.9	2165	78.6	2217	82.8	2272	87.3	2330	92.2	2380	96.5	2428	100.8
10500	4335	1987	68.3	2017	70.5	2048	72.8	2109	77.6	2163	81.9	2221	86.7	2277	91.4	2327	95.8	2380	100.5	2435	105.6
11000	4541	1991	71.3	2023	73.9	2053	76.2	2109	80.8	2169	85.8	2224	90.5	2277	95.1	2332	100.2	2384	105.0	2432	109.6
11500	4747	1998	74.6	2026	76.9	2055	79.3	2116	84.5	2171	89.3	2226	94.2	2284	99.6	2333	104.2	2384	109.1	2438	114.5
12000	4954	2001	77.4	2031	80.0	2063	82.8	2118	87.8	2176	93.0	2232	98.3	2283	103.2	2337	108.5	2390	113.9	2437	118.7
12500	5160	2008	80.6	2038	83.4	2066	85.9	2124	91.3	2181	96.7	2234	101.9	2290	107.6	2340	112.7	2390	118.0	2443	123.6
13000	5367	2014	83.6	2043	86.3	2072	89.2	2130	94.8	2185	100.3	2242	106.2	2292	111.4	2345	117.0	2398	122.8	2444	128.0
13500	5573	2021	86.6	2051	89.7	2079	92.5	2135	98.1	2192	104.1	2244	109.7	2299	115.7	2349	121.3	2399	126.9	2450	132.9
14000	5779	2030	89.9	2057	92.7	2086	95.6	2143	101.8	2196	107.5	2253	113.8	2302	119.5	2354	125.5	2407	131.8	2453	137.3
14500	5986	2037	92.9	2066	96.0	2095	99.1	2149	105.0	2206	111.5	2256	117.3	2309	123.7	2360	129.8	2409	135.8	2460	142.2
15000	6192	2048	96.3	2074	99.2	2102	102.3	2159	108.8	2210	114.8	2265	121.4	2315	127.6	2365	133.9	2417	140.6	2463	146.6
15500	6399	2056	99.4	2084	102.6	2113	106.0	2165	112.1	2221	118.9	2271	125.1	2323	131.7	2372	138.2	2420	144.6	2471	151.5
16000	6605	2067	102.9	2094	106.1	2121	109.2	2176	116.0	2227	122.3	2280	129.2	2329	135.7	2379	142.4	2429	149.3	2475	155.7
16500	6811	2077	106.3	2105	109.6	2133	113.1	2184	119.5	2238	126.5	2287	133.0	2338	139.9	2387	146.7	2434	153.5	2484	160.8
17000	7018	2090	110.0	2117	113.3	2142	116.5	2196	123.6	2246	130.1	2298	137.3	2346	144.0	2395	151.1	2443	158.2	2489	165.0
17500	7224	2102	113.6	2128	117.0	2156	120.6	2206	127.2	2258	134.4	2306	141.2	2356	148.4	2403	155.4	2450	162.6	2499	170.1
18000	7431	2116	117.6	2141	120.9	2166	124.3	2219	131.5	2267	138.3	2318	145.7	2364	152.6	2413	160.0	2459	167.3	2505	174.5
18500	7637	2128	121.3	2154	124.9	2180	128.5	2229	135.4	2280	142.8	2327	149.8	2377	157.4	2422	164.4	2469	172.0		

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Size  
**23** SISW



Wheel Diameter = 40.00 in.  
Outlet Area = 2.90 sq. ft. inside  
Tip Speed, fpm = 10.47 x RPM

Model 45 Maximum RPM 2292  
Maximum Belt Drive Motor HP 250

**Design 6650 AH Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18000	3023	1246	132.3	1265	137.3	1285	142.5	1326	153.9	1364	164.8	1398	174.8	1433	185.9	1471	198.1	1510	211.4	1538	221.4
19000	3191	1247	137.0	1269	142.9	1289	148.3	1324	158.3	1361	169.3	1401	181.5	1436	192.8	1468	203.3	1501	214.8	1536	227.2
20000	3359	1249	142.0	1267	147.1	1286	152.5	1327	164.2	1364	175.4	1398	186.0	1433	197.7	1471	210.6	1505	222.6	1534	233.5
21000	3527	1249	146.7	1270	152.7	1291	158.6	1326	169.0	1363	180.4	1402	193.1	1435	204.2	1467	215.5	1501	227.8	1537	241.2
22000	3695	1252	152.2	1271	157.4	1289	163.0	1329	175.1	1365	186.6	1399	197.8	1435	210.2	1473	223.8	1503	234.8	1534	246.7
23000	3863	1253	157.1	1274	163.2	1294	169.4	1329	180.2	1366	192.2	1405	205.4	1436	216.5	1469	228.5	1503	241.7	1539	255.7
24000	4031	1257	162.9	1275	168.4	1294	174.2	1333	186.7	1368	198.4	1402	210.3	1438	223.4	1473	236.3	1503	248.1	1535	260.9
25000	4199	1259	168.1	1279	174.4	1299	180.7	1333	192.1	1370	204.7	1407	217.7	1438	229.5	1472	242.3	1507	256.4	1538	269.0
26000	4367	1263	174.2	1281	179.9	1299	186.0	1338	199.1	1372	211.0	1407	223.6	1443	237.4	1475	249.7	1506	262.4	1539	276.1
27000	4535	1265	179.7	1285	186.3	1304	192.7	1339	204.7	1376	217.9	1410	230.8	1443	243.4	1477	257.0	1511	271.1	1540	283.6
28000	4703	1269	186.1	1287	192.1	1306	198.4	1344	212.1	1377	224.2	1412	237.5	1448	251.6	1478	264.1	1510	277.7	1544	292.4
29000	4871	1272	192.0	1292	198.8	1310	205.3	1345	217.9	1382	231.8	1415	244.7	1448	258.0	1483	272.6	1513	285.8	1544	299.3
30000	5038	1277	198.5	1294	204.8	1313	211.5	1350	225.3	1384	238.2	1419	252.3	1452	266.0	1483	279.4	1516	294.0	1548	308.6
31000	5206	1280	204.8	1300	212.0	1317	218.4	1352	231.8	1389	246.2	1421	259.3	1455	273.6	1488	288.2	1518	301.7	1549	316.2
32000	5374	1284	211.5	1302	218.1	1321	225.2	1357	239.2	1391	252.9	1427	267.9	1458	281.3	1490	295.7	1524	311.3	1552	324.9
33000	5542	1289	218.2	1308	225.6	1325	232.2	1361	246.3	1396	260.8	1428	274.8	1463	290.0	1494	304.1	1524	318.6	1557	334.3
34000	5710	1293	224.9	1311	232.0	1330	239.5	1365	253.8	1399	268.3	1433	283.3	1465	297.5	1498	312.9	1529	327.8	1558	342.4
35000	5878	1298	232.1	1317	239.5	1334	246.5	1369	261.6	1403	276.1	1436	291.1	1470	306.6	1500	321.0	1532	336.6	1563	352.4
36000	6046	1302	238.9	1321	246.4	1339	254.3	1373	268.9	1408	284.4	1440	299.4	1473	314.6	1506	330.8	1535	345.4	1566	361.1
37000	6214	1309	246.6	1326	253.8	1343	261.3	1379	277.4	1411	292.1	1445	308.1	1477	323.4	1508	338.9	1541	355.7	1569	370.6
38000	6382	1313	253.3	1331	261.3	1349	269.4	1382	284.6	1417	301.0	1449	316.2	1482	332.6	1513	348.2	1543	364.1	1574	381.1
39000	6550	1319	261.0	1336	268.7	1353	276.7	1388	293.0	1421	308.8	1455	325.5	1485	341.0	1517	357.8	1547	373.9	1577	390.0
40000	6718	1324	268.2	1342	276.8	1359	284.6	1393	301.0	1426	317.4	1458	333.7	1491	350.8	1521	366.7	1552	383.8	1582	400.4
42000	7054	1336	283.6	1353	292.1	1370	300.3	1404	318.0	1436	334.5	1469	352.1	1500	368.9	1530	386.1	1561	403.9	1589	420.4
44000	7390	1349	299.3	1365	307.8	1382	316.7	1415	334.7	1447	352.3	1479	370.5	1509	387.8	1541	406.5	1570	423.6		

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Performance Data

Wheel Diameter = 45.125 in.  
 Outlet Area = 3.69 sq. ft. inside  
 Tip Speed, fpm = 11.81 x RPM



Model 45 Maximum RPM 2032  
 Maximum Belt Drive Motor HP 350

Size  
**26** SISW

Design 6650 AH Industrial Centrifugal Fans

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10500	2841	1583	79.3	1612	82.9	1634	85.7	1680	91.7	1728	98.3	1780	105.7	1826	112.5	1865	118.6	1907	125.3	1950	132.5
11000	2976	1580	81.2	1606	84.4	1632	87.8	1687	95.1	1729	101.0	1773	107.5	1821	114.7	1871	122.6	1912	129.4	1950	135.8
11500	3111	1586	84.2	1609	87.1	1632	90.1	1680	96.7	1731	104.0	1778	111.0	1819	117.3	1862	124.3	1908	131.9	1956	140.3
12000	3247	1582	85.9	1608	89.3	1635	93.0	1683	99.6	1727	106.1	1775	113.3	1826	121.3	1865	127.8	1905	134.6	1947	142.0
12500	3382	1586	88.7	1609	91.8	1633	95.1	1683	102.2	1732	109.5	1774	116.0	1819	123.2	1866	131.0	1912	139.0	1949	145.7
13000	3517	1586	90.9	1613	94.6	1638	98.2	1682	104.7	1730	111.8	1780	119.8	1821	126.5	1862	133.5	1906	141.2	1952	149.6
13500	3653	1588	93.5	1612	96.8	1636	100.4	1689	108.2	1731	114.7	1776	121.9	1823	129.8	1867	137.5	1906	144.5	1946	152.0
14000	3788	1591	96.3	1617	99.9	1639	103.2	1686	110.3	1735	118.1	1778	125.2	1821	132.4	1865	140.3	1912	148.9	1949	156.0
14500	3923	1592	98.7	1616	102.3	1642	106.2	1689	113.4	1733	120.5	1781	128.4	1825	136.2	1865	143.4	1907	151.2	1951	159.7
15000	4058	1597	101.8	1619	105.2	1643	108.7	1691	116.4	1738	124.0	1780	131.2	1825	139.2	1871	147.7	1909	154.9	1948	162.6
15500	4194	1597	104.3	1623	108.2	1648	112.0	1692	119.1	1739	127.0	1785	135.0	1826	142.3	1868	150.3	1913	159.1	1952	166.8
16000	4329	1601	107.2	1624	110.8	1649	114.7	1698	122.7	1740	130.0	1785	138.0	1831	146.4	1870	153.9	1911	161.9	1954	170.6
16500	4464	1605	110.2	1630	114.2	1652	117.7	1698	125.5	1746	133.8	1787	141.2	1830	149.3	1876	158.2	1914	165.8	1953	173.9
17000	4599	1607	113.0	1631	116.9	1656	121.0	1701	128.7	1746	136.6	1793	145.3	1833	152.9	1874	161.1	1918	170.0	1957	178.3
17500	4735	1613	116.3	1635	120.0	1658	123.9	1706	132.3	1749	140.1	1793	148.2	1839	157.1	1877	164.9	1917	173.2	1959	182.2
18000	4870	1615	119.2	1640	123.4	1663	127.4	1707	135.2	1754	143.9	1796	151.9	1838	160.2	1882	169.2	1921	177.4	1959	185.8
19000	5141	1624	125.7	1647	129.8	1669	133.8	1716	142.3	1760	150.8	1802	159.1	1847	168.3	1886	176.6	1925	185.2	1967	194.6
20000	5411	1632	132.3	1654	136.4	1677	140.7	1724	149.6	1766	158.0	1811	167.1	1852	175.8	1892	184.6	1934	194.1	1972	203.0
21000	5682	1640	138.9	1663	143.3	1687	148.0	1731	156.7	1775	165.8	1818	174.9	1858	183.8	1901	193.5	1939	202.5	1977	211.6
22000	5952	1650	145.8	1674	150.7	1696	155.2	1740	164.3	1784	173.8	1825	182.8	1868	192.6	1907	201.8	1946	211.2	1986	221.4
23000	6223	1661	153.3	1683	157.8	1705	162.5	1751	172.4	1792	181.6	1835	191.5	1875	201.0	1914	210.7	1956	221.1	1992	230.4
24000	6493	1671	160.3	1693	165.2	1716	170.2	1759	180.0	1802	190.0	1843	200.0	1883	209.8	1925	220.4	1962	229.9	2000	240.1
25000	6764	1682	167.7	1705	173.0	1727	178.1	1769	188.1	1812	198.6	1852	208.6	1894	219.4	1932	229.3	1971	239.7	2010	250.5
26000	7035	1695	175.6	1717	180.7	1738	185.9	1782	196.9	1822	207.0	1864	218.0	1902	228.3	1942	239.0	1980	249.9	2017	260.2
27000	7305	1707	183.1	1728	188.5	1750	194.2	1792	204.9	1834	216.1	1873	226.8	1913	237.8	1952	249.0	1989	259.7	2027	271.1

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Wheel Diameter = 50.50 in.  
 Outlet Area = 4.62 sq. ft. inside  
 Tip Speed, fpm = 13.22 x RPM



Model 45 Maximum RPM 1828  
 Maximum Belt Drive Motor HP 350

Size  
**29** SISW

Design 6650 AH Industrial Centrifugal Fans

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	2827	1420	98.6	1444	102.7	1464	106.2	1506	113.7	1550	122.1	1597	131.4	1636	139.4	1672	147.1	1710	155.5	1749	164.6
13500	2936	1417	100.2	1440	104.3	1465	108.7	1510	116.9	1549	124.5	1591	132.8	1635	142.1	1678	151.6	1712	159.2	1747	167.5
14000	3045	1419	102.8	1440	106.5	1462	110.5	1508	119.1	1554	128.0	1591	135.7	1630	144.1	1672	153.3	1716	163.4	1752	172.0
14500	3153	1420	105.3	1445	109.7	1465	113.4	1506	121.3	1550	130.0	1597	139.7	1632	147.4	1670	155.8	1709	164.9	1750	174.9
15000	3262	1418	107.2	1442	111.4	1466	115.9	1509	124.4	1549	132.4	1591	141.3	1636	151.1	1673	159.7	1708	168.0	1745	177.1
16000	3480	1422	112.5	1447	117.1	1467	120.9	1508	129.2	1552	138.4	1595	147.8	1631	156.0	1670	165.1	1710	174.9	1753	185.7
17000	3697	1425	117.6	1446	121.6	1467	125.9	1512	135.3	1554	144.2	1592	152.8	1633	162.4	1676	172.9	1710	181.4	1745	190.6
18000	3915	1427	122.5	1449	127.1	1473	131.9	1514	140.8	1554	149.7	1597	159.6	1636	169.1	1672	178.1	1710	187.9	1750	198.6
19000	4132	1432	128.3	1455	133.2	1475	137.4	1516	146.5	1560	156.6	1598	165.7	1636	175.1	1676	185.5	1714	195.7	1748	205.0
20000	4350	1436	134.0	1457	138.5	1478	143.2	1523	153.4	1561	162.4	1601	172.2	1643	182.9	1677	192.2	1713	202.1	1751	212.8
21000	4567	1440	139.7	1462	144.6	1485	149.9	1524	159.1	1565	169.1	1606	179.5	1642	189.0	1680	199.4	1720	210.7	1753	220.4
22000	4784	1447	146.1	1468	150.9	1488	155.7	1530	165.8	1570	176.1	1608	185.9	1648	196.7	1685	207.2	1720	217.3	1756	228.2
23000	5002	1451	152.1	1472	157.1	1494	162.3	1535	172.7	1574	182.8	1615	193.9	1651	204.0	1687	214.5	1726	226.0	1760	236.6
24000	5219	1457	158.5	1479	164.0	1500	169.1	1539	179.4	1581	190.7	1618	200.7	1656	211.7	1694	223.2	1728	233.5	1763	244.7
25000	5437	1464	165.5	1484	170.5	1505	175.8	1547	187.1	1584	197.5	1624	208.7	1661	219.8	1696	230.6	1734	242.3	1769	253.8
26000	5654	1469	171.9	1491	177.5	1512	183.3	1551	193.9	1591	205.4	1629	216.5	1665	227.7	1704	239.9	1737	250.7	1772	262.2
27000	5872	1477	179.1	1498	184.7	1517	190.1	1558	201.8	1596	213.0	1634	224.6	1672	236.5	1707	247.7	1743	259.7	1779	271.9
28000	6089	1484	185.9	1504	191.7	1525	197.7	1564	209.3	1603	221.1	1641	233.0	1677	244.6	1715	257.2	1748	268.7	1782	280.6
29000	6307	1491	193.2	1513	199.5	1532	205.1	1571	217.2	1610	229.3	1646	241.2	1685	253.9	1719	265.6	1754	278.1	1789	290.8
30000	6524	1500	200.6	1519	206.6	1539	212.8	1578	225.2	1616	237.5	1654	250.2	1689	262.3	1726	275.3	1760	287.5	1793	300.0
31000	6742	1507	207.9	1528	214.5	1547	220.7	1586	233.3	1624	246.2	1660	258.7	1698	272.0	1731	284.2	1766	297.3	1801	310.5
32000	6959	1517	215.7	1536	222.0	1555	228.5	1594	241.7	1631	254.6	1668	268.0	1703	280.7	1739	294.3	1772	307.1	1806	320.2
33000	7177	1525	223.1	1545	230.1	1564	236.8	1602	249.9	1639	263.6	1675	276.7	1712	290.7	1745	303.6	1780	317.3	1813	330.9
34000	7394	1535	231.3	1553	237.9	1573	244.7	1611	258.7	1647	272.2	1684	286.3	1718	299.7	1754	314.1	1786	327.3	1819	341.2
35000	7612	1543	238.9	1563	246.2	1582	253.3	1619	267.1	1656	281.5	1691	295.3	1727	309.9	1760	323.5	1794	338.1	1827	352.0

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.



Size  
**33** SISW



Wheel Diameter = 57.50 in.  
Outlet Area = 5.99 sq. ft. inside  
Tip Speed, fpm = 15.05 x RPM

Model 45 Maximum RPM 1594  
Maximum Belt Drive Motor HP 350

**Design 6650 AH Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
18000	3023	1246	132.3	1265	137.3	1285	142.5	1326	153.9	1364	164.8	1398	174.8	1433	185.9	1471	198.1	1510	211.4	1538	221.4
19000	3191	1247	137.0	1269	142.9	1289	148.3	1324	158.3	1361	169.3	1401	181.5	1436	192.8	1468	203.3	1501	214.8	1536	227.2
20000	3359	1249	142.0	1267	147.1	1286	152.5	1327	164.2	1364	175.4	1398	186.0	1433	197.7	1471	210.6	1505	222.6	1534	233.5
21000	3527	1249	146.7	1270	152.7	1291	158.6	1326	169.0	1363	180.4	1402	193.1	1435	204.2	1467	215.5	1501	227.8	1537	241.2
22000	3695	1252	152.2	1271	157.4	1289	163.0	1329	175.1	1365	186.6	1399	197.8	1435	210.2	1473	223.8	1503	234.8	1534	246.7
23000	3863	1253	157.1	1274	163.2	1294	169.4	1329	180.2	1366	192.2	1405	205.4	1436	216.5	1469	228.5	1503	241.7	1539	255.7
24000	4031	1257	162.9	1275	168.4	1294	174.2	1333	186.7	1368	198.4	1402	210.3	1438	223.4	1473	236.3	1503	248.1	1535	260.9
25000	4199	1259	168.1	1279	174.4	1299	180.7	1333	192.1	1370	204.7	1407	217.7	1438	229.5	1472	242.3	1507	256.4	1538	269.0
26000	4367	1263	174.2	1281	179.9	1299	186.0	1338	199.1	1372	211.0	1407	223.6	1443	237.4	1475	249.7	1506	262.4	1539	276.1
27000	4535	1265	179.7	1285	186.3	1304	192.7	1339	204.7	1376	217.9	1410	230.8	1443	243.4	1477	257.0	1511	271.1	1540	283.6
28000	4703	1269	186.1	1287	192.1	1306	198.4	1344	212.1	1377	224.2	1412	237.5	1448	251.6	1478	264.1	1510	277.7	1544	292.4
29000	4871	1272	192.0	1292	198.8	1310	205.3	1345	217.9	1382	231.8	1415	244.7	1448	258.0	1483	272.6	1513	285.8	1544	299.3
30000	5038	1277	198.5	1294	204.8	1313	211.5	1350	225.3	1384	238.2	1419	252.3	1452	266.0	1483	279.4	1516	294.0	1548	308.6
31000	5206	1280	204.8	1300	212.0	1317	218.4	1352	231.8	1389	246.2	1421	259.3	1455	273.6	1488	288.2	1518	301.7	1549	316.2
32000	5374	1284	211.5	1302	218.1	1321	225.2	1357	239.2	1391	252.9	1427	267.9	1458	281.3	1490	295.7	1524	311.3	1552	324.9
33000	5542	1289	218.2	1308	225.6	1325	232.2	1361	246.3	1396	260.8	1428	274.8	1463	290.0	1494	304.1	1524	318.6	1557	334.3
34000	5710	1293	224.9	1311	232.0	1330	239.5	1365	253.8	1399	268.3	1433	283.3	1465	297.5	1498	312.9	1529	327.8	1558	342.4
35000	5878	1298	232.1	1317	239.5	1334	246.5	1369	261.6	1403	276.1	1436	291.1	1470	306.6	1500	321.0	1532	336.6	1563	352.4
36000	6046	1302	238.9	1321	246.4	1339	254.3	1373	268.9	1408	284.4	1440	299.4	1473	314.6	1506	330.8	1535	345.4	1566	361.1
37000	6214	1309	246.6	1326	253.8	1343	261.3	1379	277.4	1411	292.1	1445	308.1	1477	323.4	1508	338.9	1541	355.7	1569	370.6
38000	6382	1313	253.3	1331	261.3	1349	269.4	1382	284.6	1417	301.0	1449	316.2	1482	332.6	1513	348.2	1543	364.1	1574	381.1
39000	6550	1319	261.0	1336	268.7	1353	276.7	1388	293.0	1421	308.8	1455	325.5	1485	341.0	1517	357.8	1547	373.9	1577	390.0
40000	6718	1324	268.2	1342	276.8	1359	284.6	1393	301.0	1426	317.4	1458	333.7	1491	350.8	1521	366.7	1552	383.8	1582	400.4
42000	7054	1336	283.6	1353	292.1	1370	300.3	1404	318.0	1436	334.5	1469	352.1	1500	368.9	1530	386.1	1561	403.9	1589	420.4
44000	7390	1349	299.3	1365	307.8	1382	316.7	1415	334.7	1447	352.3	1479	370.5	1509	387.8	1541	406.5	1570	423.6		

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Size  
**37** SISW



Wheel Diameter = 64.375 in.  
Outlet Area = 7.49 sq. ft. inside  
Tip Speed, fpm = 16.85 x RPM

Model 45 Maximum RPM 1424  
Maximum Belt Drive Motor HP 350

**Design 6650 AH Industrial Centrifugal Fans**

Volume O.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
22000	2939	1110	163.2	1129	169.8	1148	176.9	1183	190.4	1214	202.7	1247	216.3	1281	231.4	1316	247.0	1342	259.4	1369	272.8
23000	3073	1113	168.7	1129	174.6	1146	180.9	1181	194.7	1219	210.0	1248	222.4	1278	235.7	1310	250.3	1343	266.4	1375	282.2
24000	3206	1112	172.7	1131	179.9	1150	187.3	1181	199.7	1214	213.3	1249	228.5	1282	243.3	1309	256.4	1339	270.7	1369	286.1
25000	3340	1113	177.6	1130	184.1	1147	191.0	1184	206.0	1216	219.4	1246	233.0	1279	247.9	1313	264.4	1341	278.4	1368	292.3
26000	3474	1115	182.9	1134	190.3	1149	196.6	1182	210.1	1216	225.1	1250	240.2	1278	253.7	1309	268.4	1341	284.6	1373	301.8
27000	3607	1115	187.4	1132	194.4	1150	201.9	1185	216.4	1216	230.1	1248	245.1	1283	261.7	1310	275.5	1339	290.0	1368	305.9
28000	3741	1119	193.6	1134	200.0	1151	206.8	1185	221.6	1219	237.2	1249	251.0	1279	266.0	1312	282.5	1342	298.3	1368	312.8
29000	3874	1118	197.9	1136	205.5	1155	213.6	1186	227.1	1218	242.1	1253	258.7	1281	272.8	1310	287.8	1341	304.2	1373	322.1
30000	4008	1120	203.6	1137	210.6	1154	218.0	1189	234.1	1219	248.2	1250	263.4	1283	280.1	1313	295.5	1340	310.6	1369	326.9
31000	4142	1122	209.2	1141	217.3	1156	224.1	1188	238.9	1223	255.3	1253	270.2	1282	285.5	1313	302.3	1344	319.3	1370	334.3
32000	4275	1124	214.6	1141	222.1	1158	230.1	1191	245.5	1222	260.6	1255	277.3	1285	293.0	1313	308.5	1343	325.3	1374	343.6
33000	4409	1128	221.2	1143	228.3	1160	235.7	1193	251.8	1225	267.6	1255	283.1	1286	300.0	1317	316.8	1344	332.3	1372	349.1
34000	4542	1128	226.3	1146	234.5	1163	242.7	1194	257.7	1227	274.2	1258	290.6	1287	306.3	1317	323.5	1348	341.4	1374	357.0
35000	4676	1131	232.5	1147	240.2	1164	248.2	1198	265.0	1228	280.5	1260	297.4	1290	314.4	1318	330.4	1347	347.7	1378	366.5
36000	4810	1134	238.8	1151	247.1	1167	254.7	1199	271.0	1232	288.2	1261	304.0	1291	321.4	1322	339.1	1348	355.3	1376	372.8
38000	5077	1140	251.6	1156	259.5	1172	267.7	1205	285.5	1235	301.6	1266	319.0	1296	337.0	1324	353.6	1352	371.5	1383	391.0
40000	5344	1145	264.2	1161	272.7	1178	281.7	1209	298.9	1240	316.3	1272	334.8	1299	351.7	1329	370.0	1358	389.1	1384	406.3
42000	5611	1151	277.6	1168	286.8	1184	296.0	1215	313.3	1247	332.3	1275	349.6	1305	368.2	1334	387.3	1361	405.0	1388	424.1
44000	5878	1158	291.8	1174	301.0	1189	309.9	1221	328.8	1251	347.1	1281	365.9	1311	385.4	1338	403.6	1366	423.2	1394	443.1
46000	6146	1165	305.9	1180	315.1	1196	324.8	1228	344.2	1257	363.1	1288	383.3	1315	401.8	1344	421.8	1372	441.7	1398	460.8
48000	6413	1172	320.1	1188	330.1	1204	340.7	1234	359.6	1265	380.4	1293	399.5	1322	419.9	1350	440.1	1377	459.8	1404	480.9
50000	6680	1180	335.1	1196	345.7	1211	355.4	1242	376.2	1271	396.5	1300	417.2	1328	438.1	1355	458.3	1384	480.0	1409	500.3
52000	6947	1188	350.4	1203	360.6	1219	371.3	1249	392.7	1278	413.6	1307	435.3	1334	456.0	1363	478.4	1389	498.9	1415	520.4
54000	7214	1196	365.4	1212	376.6	1228	388.0	1256	409.2	1286	431.8	1314	453.0	1343	475.8	1369	497.0	1396	519.2	1422	542.0
56000	7482	1206	381.5	1221	392.8	1235	403.7	1266	427.1	1293	448.9	1322	472.3	1349	494.2	1376	517.1	1403	540.1		

Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

Wheel Diameter = 71.25 in.  
 Outlet Area = 9.20 sq. ft. inside  
 Tip Speed, fpm = 18.65 x RPM



Model 45 Maximum RPM 1287  
 Maximum Belt Drive Motor HP 350

Size  
**41** SISW

**Design 6650 AH Industrial Centrifugal Fans**

Volume Q.Vel		30"SP		31"SP		32"SP		34"SP		36"SP		38"SP		40"SP		42"SP		44"SP		46"SP	
CFM	FPM	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
27000	2938	1002	200.3	1019	208.5	1036	217.2	1068	233.7	1096	248.9	1125	265.6	1156	284.1	1187	303.1	1211	318.4	1236	334.9
28000	3046	1004	205.6	1019	213.0	1034	221.0	1067	238.2	1099	256.1	1125	271.3	1153	288.1	1183	306.4	1214	326.6	1239	343.9
29000	3155	1004	210.5	1022	219.4	1036	226.7	1065	242.5	1096	259.9	1130	279.4	1155	294.8	1181	311.5	1209	329.8	1238	349.7
30000	3264	1003	214.4	1020	222.8	1037	231.8	1068	248.8	1096	264.8	1125	282.5	1157	302.1	1183	319.3	1208	336.0	1234	354.1
31000	3373	1005	220.0	1020	227.7	1035	236.0	1068	253.9	1098	271.7	1125	288.0	1153	305.8	1183	325.5	1212	344.8	1235	361.5
32000	3482	1006	224.9	1024	234.2	1037	241.9	1067	258.4	1098	276.7	1128	295.5	1154	312.0	1181	330.0	1209	349.7	1240	371.3
33000	3590	1006	229.3	1022	238.0	1038	247.3	1069	264.7	1097	281.6	1127	300.3	1157	320.3	1182	337.0	1208	355.1	1235	374.8
34000	3699	1008	235.1	1023	243.3	1038	251.8	1070	270.5	1099	288.3	1126	305.6	1155	324.7	1185	345.6	1210	362.8	1234	381.0
36000	3917	1009	245.1	1025	254.1	1042	263.7	1071	281.5	1099	299.4	1129	319.1	1157	338.2	1183	356.1	1209	375.7	1237	397.0
38000	4135	1013	256.6	1029	266.3	1043	274.8	1072	293.0	1104	313.2	1130	331.3	1157	350.2	1185	370.8	1213	391.4	1236	409.9
40000	4352	1016	268.0	1031	276.9	1046	286.3	1077	306.7	1104	324.7	1132	344.3	1162	365.8	1186	384.4	1212	404.1	1239	425.4
42000	4570	1019	279.3	1034	289.2	1051	299.7	1078	318.1	1107	338.1	1136	359.0	1162	378.0	1188	398.7	1217	421.3	1240	440.7
44000	4787	1023	292.2	1038	301.9	1052	311.3	1082	331.6	1111	352.1	1137	371.8	1165	393.4	1192	414.5	1216	434.6	1242	456.3
46000	5005	1027	304.2	1041	314.1	1056	324.6	1086	345.3	1113	365.5	1142	387.6	1168	407.9	1194	429.0	1221	451.8	1245	473.2
48000	5223	1031	317.0	1046	328.0	1061	338.3	1089	358.8	1119	381.3	1144	401.5	1171	423.3	1198	446.3	1222	467.0	1247	489.3
50000	5440	1036	330.9	1050	341.0	1064	351.6	1094	374.3	1121	394.9	1148	417.4	1175	439.6	1200	461.2	1226	484.6	1251	507.6
52000	5658	1039	343.7	1054	354.9	1070	366.7	1097	387.9	1125	410.8	1152	433.0	1178	455.3	1205	479.7	1229	501.3	1253	524.3
54000	5875	1045	358.1	1060	369.4	1073	380.3	1102	403.6	1129	426.0	1156	449.1	1183	473.0	1207	495.3	1233	519.4	1258	543.7
56000	6093	1050	371.9	1064	383.4	1079	395.4	1106	418.5	1134	442.2	1161	466.0	1186	489.2	1213	514.3	1237	537.4	1261	561.3
58000	6311	1055	386.3	1070	399.1	1084	410.3	1111	434.4	1139	458.6	1165	482.5	1192	507.9	1216	531.2	1241	556.2	1266	581.6
60000	6528	1061	401.2	1075	413.1	1089	425.6	1117	450.5	1143	475.0	1170	500.5	1195	524.6	1221	550.7	1245	575.1	1269	600.0
62000	6746	1066	415.8	1081	429.0	1095	441.5	1122	466.6	1149	492.4	1174	517.3	1201	544.2	1225	568.5	1249	594.6	1274	621.0
64000	6963	1073	431.5	1086	444.0	1100	457.0	1128	483.5	1154	509.1	1180	536.1	1205	561.4	1230	588.7	1254	614.2	1277	640.5
66000	7181	1079	446.3	1093	460.1	1107	473.6	1133	499.9	1160	527.2	1185	553.4	1211	581.5	1234	607.1	1259	634.7	1283	661.9
68000	7399	1086	462.7	1099	475.8	1112	489.5	1139	517.5	1165	544.4	1191	572.7	1215	599.4	1241	628.1	1264	654.7		

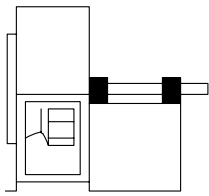
Power rating (BHP) does not include drive losses.

Performance ratings do not include the effects of appurtenances in the airstream.

Performance shown is for installation type B - Free inlet, Ducted outlet.

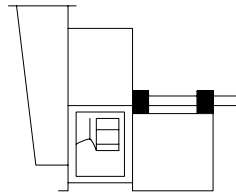
**SW** - Single Width  
**SI** - Single Inlet

**DW** - Double Width  
**DI** - Double Inlet



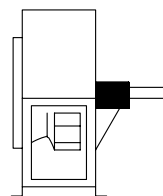
**1 SWSI**

For belt drive or direct connection. Impeller overhung. Two bearings on base.



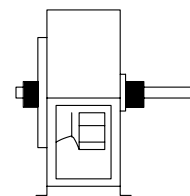
**1 SWSI c/w BOX**

For belt drive or direct connection. Impeller overhung. Two bearings on base. Inlet box may be self-supporting.



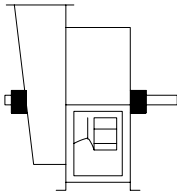
**2 SWSI**

For belt drive or direct connection. Impeller overhung. Bearings in bracket supported by fan housing.



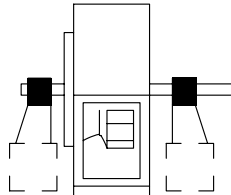
**3 SWSI**

For belt drive or direct connection. One bearing on each side and supported by fan housing.



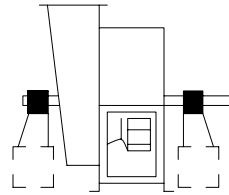
**3 SWSI c/w BOX**

For belt drive or direct connection. One bearing on each side and supported by fan housing and inlet box. Shaft extending through inlet box.



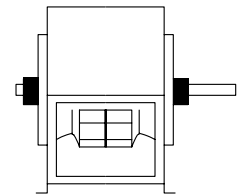
**3 SWSI c/w IND. PED.**

For belt drive or direct connection. Housing is self-supporting. One bearing on each side supported by independent pedestals.



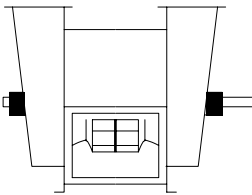
**3 SWSI c/w BOX & IND. PED.**

For belt drive or direct connection. Housing is self-supporting. One bearing on each side and supported by independent pedestals with shaft extending through inlet box.



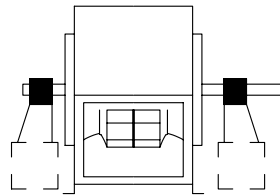
**3 DWDI**

For belt drive or direct connection. One bearing on each side and supported by fan housing.



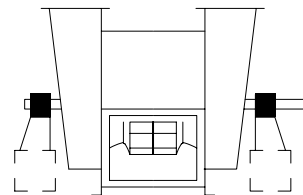
**3 DWDI c/w BOXES**

For belt drive or direct connection. One bearing on each side and supported by inlet boxes. Shaft extending through inlet boxes.



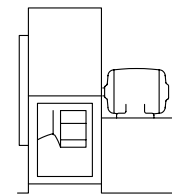
**3 DWDI c/w IND. PED.**

For belt drive or direct connection. Housing is self-supporting. One bearing on each side and supported by independent pedestals.



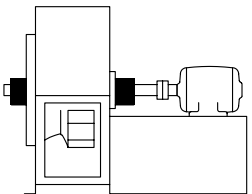
**3 DWDI c/w BOXES & IND. PED**

For belt drive or direct connection. Housing is self-supporting. One bearing on each side supported by independent pedestals with shaft extending through inlet box.



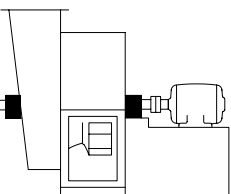
**4 SWSI**

For direct drive. Impeller overhung on prime mover shaft. No bearings on fan. Prime mover base mounted or integrally directly connected.



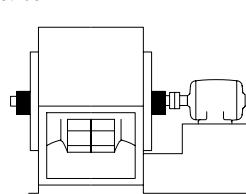
**7 SWSI**

For belt drive or direct connection. Arrangement 3 plus base for prime mover.



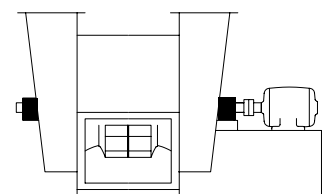
**7 SWSI c/w BOX**

For belt drive or direct connection. Arrangement 3 plus base for prime mover. Shaft extending through inlet box.



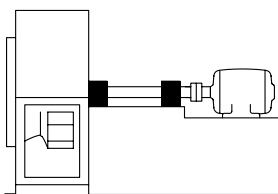
**7 DWDI**

For belt drive or direct connection. Arrangement 3 plus base for prime mover.



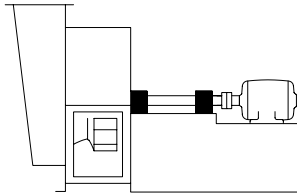
**7 DWDI c/w BOXES**

For belt drive or direct connection. Arrangement 3 plus base for prime mover. Shaft extending through inlet box.



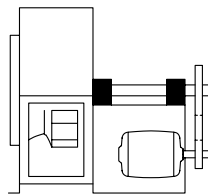
**8 SWSI**

For belt drive or direct connection. Arrangement 1 plus extended base for prime mover.



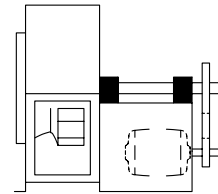
**8 SWSI c/w BOX**

For belt drive or direct connection. Arrangement 1 plus extended base for prime mover.



**9 SWSI**

For belt drive. Impeller overhung, two bearings, with prime mover outside base.



**10 SWSI**

For belt drive. Impeller overhung, two bearings, with prime mover inside base.







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