



Twin City Fan & Blower

A Twin City Fan Company

5959 Trenton Lane · Minneapolis, MN 55442-3238
Phone (763) 551-7600 · Fax (763) 551-7601 · www.tcf.com



Represented By:

Hutchco, Inc.
201 Still Branch Drive
Canton, GA 30115
Phone: 770-751-9123
Fax: 770-751-9146

Customer: Industrial Air Quality, Inc.
Job Name: West Point Mississippi
Job ID: 100209Z2

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Fan Description	Fan Performance	Motor Data
Tag N/A	CFM 14,400	HP 30
Quantity 1	Operating SP (in.wg) 8	RPM 1800
Type BC-SW	Standard SP (in.wg) 8	Voltage 460V
Size 300	RPM 1761	Phase 3
Width SWSI	Tip Speed (fpm) 13,831	Hz 60
Arrangement 4	Oper. BHP 26.79	Enclosure TEFC
Class III	Standard BHP 26.79	Efficiency Std. Eff./EPACT*
Rotation CCW	Outlet area (sq. ft) 4.72	Frame 286T
Discharge UBD	Outlet Velocity (fpm) 3,054	
Wheel diameter (in.) 30	Temperature (°F) 70	
Drive method .. 60 Hz direct drive	Altitude (ft) 0	
Percentage width 74%	Density (lb/ft³) 0.075	
Percentage diameter 100%	Max RPM for Class 2059	
	Static Efficiency 67.58	
	Mechanical Efficiency 72.49	

Modifiers

% width: 74%

Sound

Sound Power Levels in dB re. 10-12Watts:

Octave Bands	1	2	3	4	5	6	7	8	LwA
Level at Inlet	104	102	102	96	94	92	88	82	100

Estimated sound pressure level in dBA (re: 0.0002 microbar) based on a single* ducted installation:

Distance in ft	1	3	5
dBA at Inlet	100	90	86

*To estimate dBA level for ducted inlet and ducted outlet (into and out of the room) type installation, deduct 20 from the LWA value shown.

Using a directivity factor of 1.

Estimated Sound Pressure based on free field, spherical (Q = 1) radiation at the stated distance.

Definitions:

LwA The overall (single value) fan sound power level, 'A' weighted.

dBA The environment for each fan installation influences its measured sound value, therefore dBA levels cannot be guaranteed. Consult AMCA Publication 303 for further details.
A fan's dBA is influenced by nearby reflective surfaces.



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Accessories Included

BC-SW 300, Class III, Arrangement 4 Bare fan	Included
Access Door - Bolted	Included
Drain W/ Plug	Included
Flange - Inlet, Punched	Included
Flange - Outlet, Punched	Included
Damper - Outlet, Opposed Blade (Std Type)	Included
Shaft Seal - Std Type	Included
Special Width Construction	Included
30 HP, 1800 RPM, 460V, 3Ph, 60Hz, TEFC, Std. Eff./EPACT*, 286T	Included
Mount TCF Motor	Included
Total Selling Price Each	5,627.00
Extended Selling Price	5,627.00
Extended Weight	1,415 lb.

Optional Accessories	Price Each
Spark Resistant Construction - Type C	135.00



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Tag	Type	Size	CL	Arr	Qty	Extended Weight	Selling Price Each	Extended Selling Price
N/A	BC-SW	300	III	4	1	1,415	5,627.00	5,627.00
Subtotal					1	1,415 lb.		5,627.00
Shipping and Handling								686.00
Total								\$6,313.00

Notes: