

Job Name: Mark: Submitted By: Date:9/17/2025

## **Centrifugal Belt-Drive Downblast Exhaust Ventilator**



Designed to meet the general clean air exhaust requirements for industrial and commercial buildings. Features a fully rolled windband bead for increased stability and easy transport. Fresh outside air is drawn in under the motor cover to maximize motor life.

- Aluminum backward inclined, nonoverloading centrifugal wheel design
- Maximum inlet air temperature: 180° F
- NEMA 1 junction box located in motor enclosure
- Optional NEMA 1 and 4 disconnects available
- Regreaseable pillow block bearings
- Air handling quality bearings meet minimum of L10-100,000 hours
- UL/cUL 705 Listed for Power Ventilators

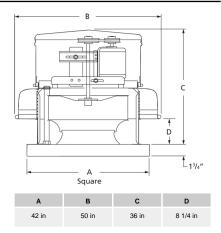


Payton Electric Mfg. Co. certifies that the ventilators shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

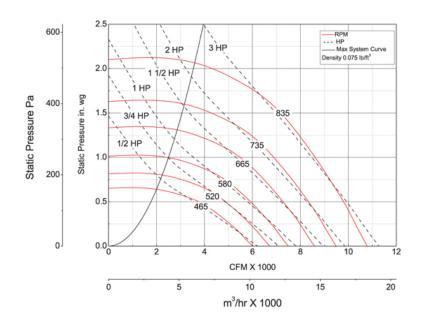
CUL 705

CUL US LISTED

E53236



## **Performance Characteristics**



## **Construction Features**

Impeller Diameter (Typ.)	26 1/2 in
Impeller Type	Backward Inclined Centrifugal
Impeller Material	Aluminum
Max Inlet Temp	180 °F
Bearing Type	Regreaseable Pillow Block
Drive Package Description	Drives By Others
Warranty Length	1 Year

## **Air & Sound Performance**

### Common Commo	Impeller Diameter (Typ.)	
Impeditor Type		_
Impaire Type  Fed word to fored Centify get  Fed word Centify get  Fed word to fored Centify	21 1/4 in	-
Ducheard Incined Commaged		_
Impulse foliated   Impulse fo	Impeller Type	_
Mex Iniel Temp		
Max hith Temp    1	Backward Inclined Centrifugal	Impeller Material
Max hist Temp	-	Aluminum
Maximizer Temp	-	
Nate Intertemp         1.00	-	1
Part	_	
Dec   CTM   Broad   Broad   CTM	Max Inlet Temp	1.04
Month   Mont	580	
14.4 675 676 676 686 110 110 110 110 110 110 110 110 110 11		
175		
128		
4825   2001F   1001		
1107   1208   1209		
Regresseable Pillow Block		
Common		Bearing Type
Christ By Others   Christ By O		Drive Package Description
Warranty Longth	——————————————————————————————————————	
Vest	-	DIVES BY OTHERS
		Warranty Length
Tyest		_
1 11/2	-	_
11/2 685 686 688 6888 16.7 7870 7870 7877 15.8 7874 15.0 6874 15.0 6874 14.2 13.8 6876 13.3 12.8 13.3 12.8 13.3 12.8 13.3 12.8 13.3 12.8 13.3 12.8 13.3 12.8 13.3 12.8 13.3 12.8 13.3 12.8 13.3 12.8 13.3 13.3 14.8 15.0 15.6 16.8 16.8 16.8 16.8 16.8 16.8 16.8 16	1 Year	
Some		
Some		1.57 CFM
16.7 2979 7837 15.8 15.8 15.3 2724 6884 15.0 14.0 6844 15.0 6474 13.3 5486 13.3 5486 13.3 12.8 14.6 14.7 14.7 14.7 14.7 14.7 14.8 14.8 14.8 14.8 14.8 14.8 14.8 14.8	665	
7879 15.8 15.8 16.8 16.2 16.9 16.8 16.9 16.9 16.9 16.9 16.9 16.9 16.9 16.9		
15.8 7.74 7.74 7.75 7.76 7.76 7.76 7.76 7.76 7.76 7.76		
15.0 6474 6018 14.2 6018 14.2 13.8 5469 3008 3018 3018 3018 3018 3018 3018 3018		
6474 142 13.8 5485 3608 13.3 1.2 1.3 1.2 1.3 1.2 1.3 1.2 1.3 1.3 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3		
142		
13.3 12.8 13.3 12.8 13.6 13.7 13.7 13.7 13.7 13.7 13.7 13.7 13.7		
- 2 - 2 13 - 735 - CPM		
2 213 213 38 80m8 80m8 18,9 9212 8938 18.6 8662 8335 17.9 17.5 8001 77.9 11.5 8001 77.9 11.6 801 17.2 16.8 7290 6878 16.5 16.5 16.2 5916 4236 15.6 14.9 ————————————————————————————————————		
213 CFM 9493 Sones 18,9 9212 8838 838 186 18,3 8662 8335 17,9 17,6 8001 7649 17,2 16,8 87280 8679 16,5 16,2 5916 4236 15,6 14,9		2
CFM   9493   Sones   18.9   8928   18.9   8928   18.6   8928   18.6   8928   18.6   8928   18.3   8928   18.6   8928   18.3   8928   17.9   17.6   8901   7649   17.2   16.8   17.2   16.8   16.5   16.2   16.5   16.2   16.5   16.2   16.5   16.2   16.5   16.5   16.2   16.5	-	
Sones       18.9         9212       8938         18.6       18.3         8652       6335         17.9       17.6         8001       7649         17.2       18.8         7280       6878         16.5       16.2         5916       4236         15.6       14.9         —       —         —       —         3       3.12         835       Sones         10.784       10.537         23.0       23.0         10.282       10.055         22.0       22.0         9794       9514         22.0       9225         21.0       21.0         8606       7932         20.0       19.9         7157       6024		
18.6 8652 8335 11.79 17.6 8001 7649 11.2 16.8 7280 6878 16.5 916 4236 15.6 14.9		
8652 8335 17.9 17.6 8001 7649 17.2 16.8 7280 6878 16.5 16.2 5916 4236 15.6 14.9 — — — — — — — — — — — — — — — — — — —	9212	8938
17.9 8001 7649 17.2 16.8 7280 6878 16.5 16.2 5916 15.6 14.9		
8001 17.2 16.8 7280 6878 16.5 16.5 16.2 5916 15.6 14.9		
7280       6878         16.5       16.2         5916       4236         15.6       14.9         —       —         —       —         —       —         3       3.12         CFM       Sones         10,784       10,537         23.0       23.0         10,292       10,055         22.0       22.0         9794       9514         22.0       9225         21.0       22.0         8927       21.0         8606       7932         20.0       19.9         7157       6024	8001	7649
16.5       16.2         5916       4236         15.6       14.9         -       -         -       -         3       3.12         CFM       Sones         10,784       10,537         23.0       23.0         10,292       10,055         22.0       921         9794       9614         22.0       9225         8927       21.0         8606       7932         20.0       19.9         7167       6024		
5916       4236         15.6       14.9         —       —         —       —         —       —         3       3.12         835       CFM         Sones         10,784       10,537         23.0       23.0         10,292       10,055         22.0       22.0         9794       9514         22.0       9225         8606       7932         20.0       19.9         7157       6024		
3 3.12 835 CFM 835 Sones 10,784 10,537 23.0 23.0 10,292 10,055 22.0 22.0 9794 9514 22.0 925 22.0 22.0 9225 8927 21.0 21.0 8606 7932 20.0 19.9 7157 6024		
3 3.12 835 CFM Sones  10,784 10,537 23.0 23.0 10,292 10,055 22.0 22.0 9794 9514 22.0 22.0 9794 22.0 9794 22.0 9794 22.0 9794 27.0 925 8927 21.0 8606 7932 20.0 19.9 7157 6024		
CFM       Sones       10,784     10,537       23.0     23.0       10,292     10,055       22.0     22.0       9794     9514       22.0     22.0       9225     8927       21.0     8927       21.0     21.0       8606     7932       20.0     19.9       7157     6024		
Sones         10,784       10,537         23.0       23.0         10,292       10,055         22.0       22.0         9794       9514         22.0       22.0         9225       8927         21.0       21.0         8606       7932         20.0       19.9         7157       6024		CFM
23.0     23.0       10,292     10,055       22.0     22.0       9794     9514       22.0     22.0       9225     8927       21.0     21.0       8606     7932       20.0     19.9       7157     6024		
10,292     10,055       22.0     22.0       9794     9514       22.0     22.0       9225     8927       21.0     21.0       8606     7932       20.0     19.9       7157     6024		
9794 22.0 22.0 9225 8927 21.0 21.0 8606 7932 20.0 19.9 7157 6024		
22.0       9225       21.0       8606       7932       20.0       7157       6024		
9225 21.0 21.0 8606 7932 20.0 19.9 7157 6024		
21.0     21.0       8606     7932       20.0     19.9       7157     6024		
20.0 19.9 7157 6024	21.0	21.0
7157 6024		

7157 6024 19.7 18.7

Performance certified is for installation type A: Free inlet, Free outlet. Power rating (BHP) does not include transmission losses. Performance ratings include the effects of a birdscreen in the airstream. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.

Catalog 405, January 2010