

## Centrifugal Belt-Drive In-Line Duct Blower



Designed for indoor clean air applications including intake, exhaust, return, or make-up air systems in industrial or commercial buildings. Rugged construction allows fan to be installed in ductwork either horizontally or vertically. Duct collars provide easy duct connections. Access panels are included on each side of the unit.

- Aluminum backward inclined, nonoverloading centrifugal wheel design
- UL/cUL 705 Listed for Power Ventilators
- Maximum inlet air temperature: 160° F
- Bearing and motor cover provide longer service life
- Regreaseable pillow block bearings

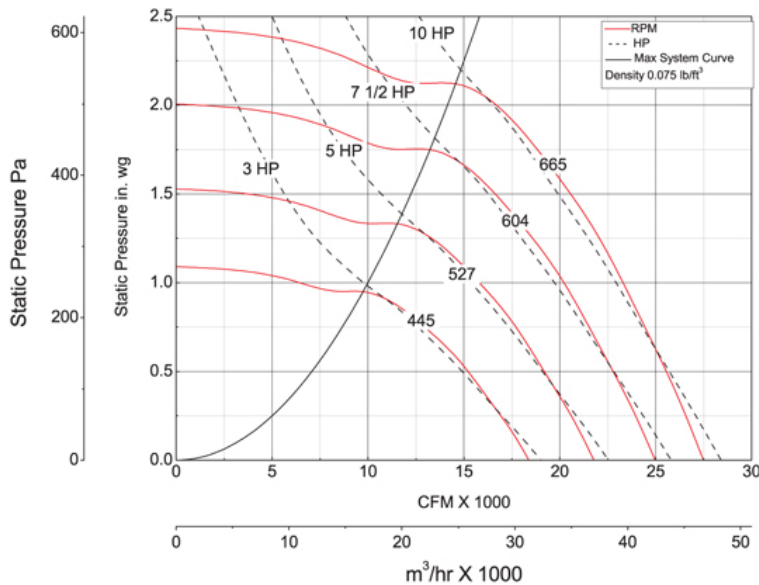


Dayton Electric Mfg. Co. certifies that the blowers shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



A	B	C	D	E	F
58 in	50 in	53 7/8 in	1 1/2 in	35 1/4 in	22 in
G	18 7/8 in				

### Performance Characteristics



### Construction Features

<b>Impeller Diameter (Typ.)</b>	42 1/2 in
<b>Impeller Type</b>	Backward Inclined Centrifugal
<b>Impeller Material</b>	Aluminum
<b>Max Inlet Temp</b>	160 °F
<b>Bearing Type</b>	Regreaseable Pillow Block
<b>Drive Package Description</b>	Drives By Others
<b>Warranty Length</b>	1 Year

### Air & Sound Performance

Motor HP	Max BHP	Fan RPM	CFM @	0.000" SP	0.125" SP	0.250" SP	0.375" SP	0.500" SP	0.625" SP	0.750" SP	0.875" SP	1.000" SP	1.250" SP	1.500" SP	1.750" SP	2.000" SP	
3	3.13	445	CFM	18,395	17,704	16,910	16,068	15,188	14,151	12,941	11,363	—	—	—	—	—	
			Sones	21.0	20.0	19.5	18.6	17.7	16.6	15.9	15.7	—	—	—	—	—	—
5	5.19	527	CFM	21,785	21,202	20,581	19,891	19,183	18,440	17,697	16,771	15,790	13,043	—	—	—	—
			Sones	26.0	25.0	24.0	23.0	23.0	22.0	21.0	20.0	18.6	—	—	—	—	—
7 1/2	7.84	604	CFM	24,968	24,459	23,950	23,363	22,762	22,151	21,502	20,854	20,206	18,533	16,581	—	—	—
			Sones	33.0	31.0	30.0	30.0	29.0	28.0	28.0	27.0	27.0	26.0	25.0	—	—	—
10	10.45	665	CFM	27,490	27,027	26,565	26,071	25,524	24,978	24,424	23,835	23,246	22,054	20,499	18,772	16,320	—
			Sones	41.0	38.0	36.0	36.0	35.0	34.0	33.0	33.0	33.0	33.0	32.0	31.0	30.0	—

Performance certified is for installation type B: Free inlet, Ducted outlet. Power rating (BHP) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). 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 B: Free inlet hemispherical fan sone levels.