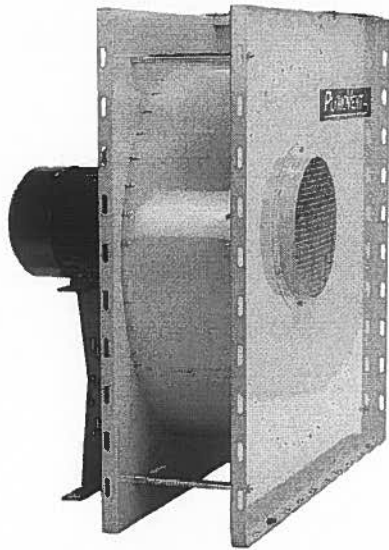


TEV-585-60

The Energy saving Ventilator



EASY ACCESS IMPELLER

All PlymoVent fan housings are designed for easy access to the impeller. Our design allows an installer or service technician to remove the motor and impeller wheel without removing inlet or outlet duct-work or disassembling the fan housing. It also provides the installer the option of separating the fan into two pieces when mounting in confined locations above drop ceilings or tight access ways.

AIRFOIL IMPELLER

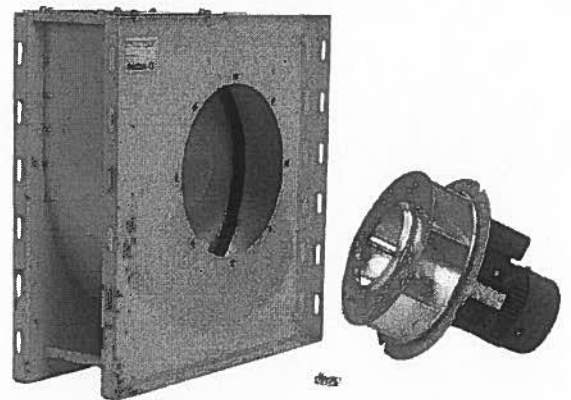
PlymoVent in co-operation with an internationally recognized university, has designed the ultimate airfoil fan impeller. Through the use of aerospace design techniques, PlymoVent has been successful in designing a fan impeller that maximizes air delivery at higher static pressures and reduces energy consumption at the same time. PlymoVent fans deliver the air volume you need at 30% less energy required over any competitive fan.

ENERGY CONSERVATION

PlymoVent's mission is to design energy efficient products. PlymoVent utilizes as standard equipment Energy Efficient Motors. This standard in conjunction with our new design produces the lowest operating cost fan package offered in the world today. If you have an existing fan, you can replace it with a PlymoVent and reduce your operating costs and in turn receive a return on your investment. Not many other products can stand behind that claim.

POWER CONSUMPTION

PlymoVent fans require less kW versus air volume delivered. This does not only equate to less power consumption but also less installation cost. This allows the electrical installer to reduce the cost of installation by reducing the associated components required to run the motor.



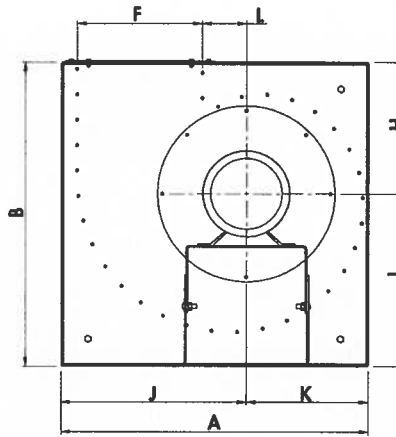
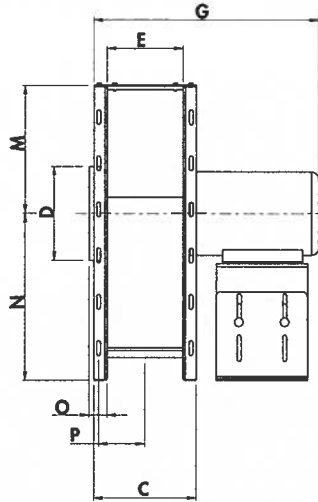
www.plymovent.com



PLYMOVENT®
INTELLIGENT PROCESS VENTILATION™

Plymovent Corporation certifies that the product shown herein is 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.

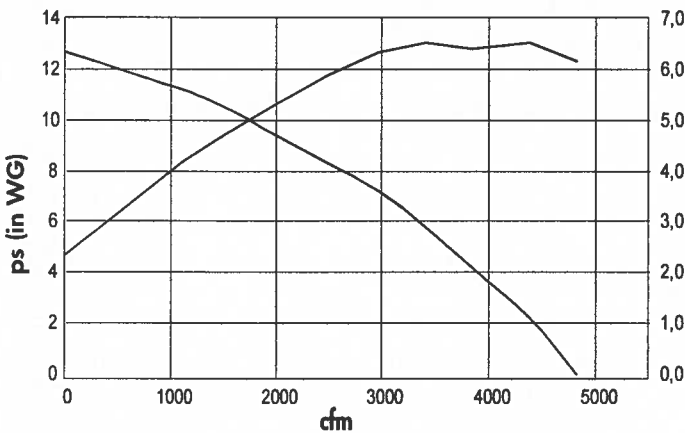
	mm	inches
A	785	30 29/32
B	785	30 29/32
C	270	10 5/8
D	250	9 27/32
E	200	7 7/8
F	322	12 11/16
G	542	21 11/32
H	444	17 15/32
I	341	13 7/16



PlymoVent reserves the right to make design and technical changes.

	mm	inches
J	475	18 11/16
K	310	12 7/32
L	112	4 13/32
M	341	13 7/16
N	444	17 15/32
O	25	1
P	119	4 13/32

TECHNICAL DATA



Performance shown is for installation type D: Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenance in the airstream. Performance measured at a speed of 3500 RPM and the efficiency of the motor.

Fan specifications

- Construction: AMCA Type - B
- Drive type: Direct drive
- Impeller type: Backward incline
- Impeller material: Aluminum
- Impeller diameter: 16.3 inch
- Impeller width: 3.35 inch
- Hub size: 1 3/8 inch
- Discharge style: Rotational 90°
- Shaft seal: Rubber
- Housing material: Galvanized steel
- Housing finish: Epoxy powder coat
- Total fan weight: 185 lbs

Motor specifications

- Frame size: NEMA 213TC
- Motor type: TEFC (IP 55)
- Rated output: 7.5 HP
- Thermal protection: No
- CSA: Yes
- CE-listed: Yes
- Continuous duty: 104°F/40°C
- 3 phase motor**
- Voltage: 208-230/460 V
- Full load current: 19.2-17.3/8.66A
- Motor RPM: 3500
- Service factor: 1.25
- 1 phase motor**
- Voltage: 208-230 V
- Full load current: 32.0
- Motor RPM: 3495
- Service factor: 1.15

Electrical power is available for all international electrical power sources.

SOUND POWER DATA

Octave Band (Hz)

Speed	Pressure in WG	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	4000 Hz	LwA	Sones
3500	0	104	107	109	106	97	93	89	84	106	87
3500	1	104	107	109	105	97	92	88	83	106	83
3500	2	104	107	108	105	96	92	87	82	105	79
3500	3	104	107	107	104	96	91	87	81	105	78
3500	4	104	107	107	104	95	91	86	81	104	76
3500	5	103	106	106	103	94	89	85	80	103	71

Performance shown is for installation type D: Ducted inlet, Ducted outlet. The sound power level ratings shown are in decibels, referred to 10-12 watts calculated per AMCA standard 301. Values are shown for inlet LwA sound power levels for installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.



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