

# TEV-series

The Energy saving Ventilator



[www.sovplym.com](http://www.sovplym.com)

**PLYMOVENT<sup>®</sup>**  
INTELLIGENT PROCESS VENTILATION™

# High Performance Ventilators for Intelligent Process Ventilation

Energy saving Ventilators make a perfect match to any intelligent process ventilation system. A patented production technique and new design provide, together with the new impellers, an even air flow, higher capacity and lower noise level.



## SAFETY FIRST

PlymoVent fans are provided with protective safety screens on both the inlet and outlet of the fan housing. PlymoVent protects your investment and personnel from the moving parts of the fan.

## NOISE LEVEL

Today it is critical to control noise pollution in the workplace. Recognizing this problem, PlymoVent has produced a fan that will operate at a lower sound power level (db) and a lower sound pressure level (dba) than other competitive models. All PlymoVent fans have been tested by AMCA in accordance with AMCA 301 standard.

## HIGH EFFICIENCY

PlymoVent's mission is to design energy efficient products. PlymoVent utilizes, as standard equipment, high efficiency motors. This standard, in cooperation with our new design techniques, 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.

**It is like hitting the jackpot!**



## 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.

## SELF-BALANCING FAN IMPELLER

Unlike any other fan manufactured, PlymoVent's new technology incorporate self balancing aluminum fan impellers. These high tech machine stamped impellers guarantee perfect balance and alignment every time. This eliminates the need for dynamic balancing that requires the adding of weight by welding which can further distort the wheels balance and performance.



### 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 ductwork or disassembling the fan housing for removal. It provides the installer the option of separating the fan into two pieces when mounting in confined locations above drop ceilings or tight access ways.

### AIR FOIL 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 in turn reduce energy consumption at the same time. PlymoVent fans deliver the air volume you need at 30% less energy consumption over any competitive fan.



### VIBRATION CONTROL

PlymoVent fans are designed with pre-engineered anti-vibration control which reduces the harmful effects of vibration.

### PROTECTIVE COATING

PlymoVent fans are protective for long life by epoxy powder coat finish which is perfect for most harsh environments. The T series fans are also manufactured in other materials of construction. Call for more information.

### NO-WELD FAN HOUSING

PlymoVent's patented No-Weld Housings are produced with a state of the art fastening technique which eliminates the need for metal welding which distorts metal components and destroys critical tolerances. This provides for less vibration and better fit and finish.

### EASY MOUNT HOUSING

The new T Series has been designed with slotted mounting channels on all four sides that allow for a wide variety of mounting techniques or options. This eliminates the cost for custom mounting suspensions or platforms.

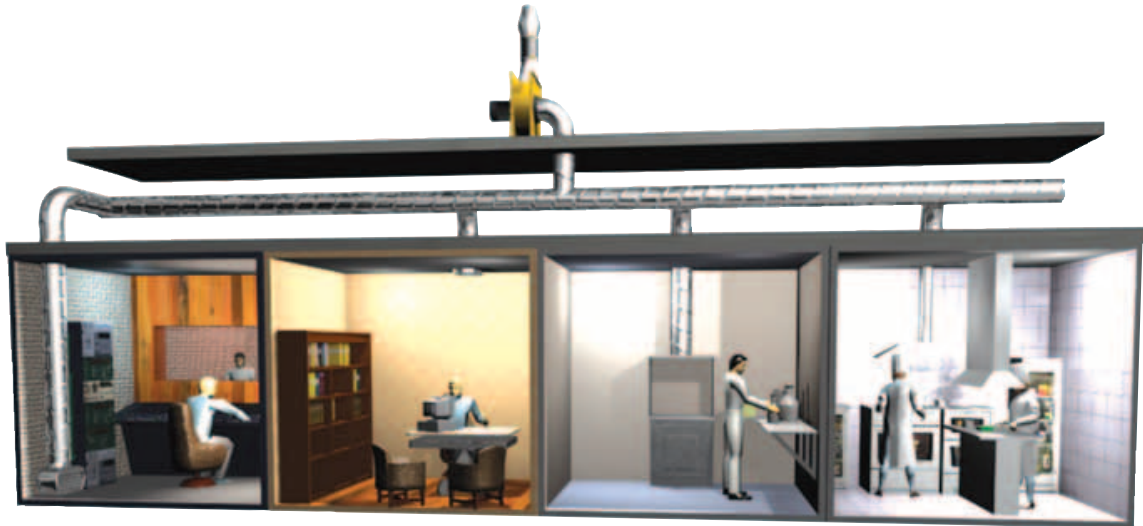


- + High Efficiency
  - + Low Power Consumption
  - + Low Noise Levels
  - + Quality Design
  - + Easy Installation
- 
- = Return on Investment

**PLYMOVENT<sup>®</sup>**  
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# Application options



**Exhaust Ventilation**



**Displacement Ventilation**



**Fumes/Dust/Odors Ventilation**







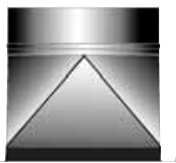


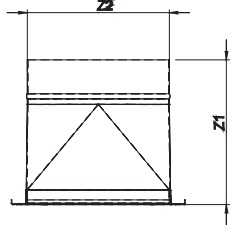
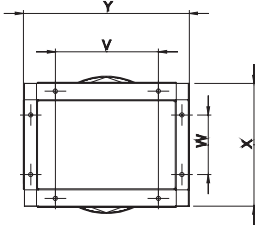
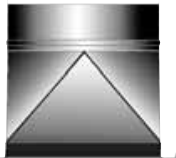


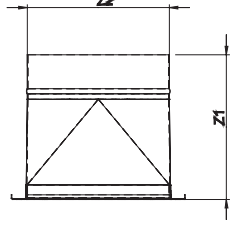
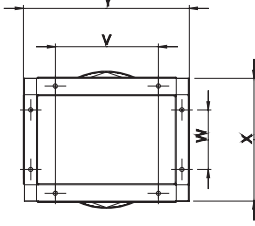
**Process Ventilation**

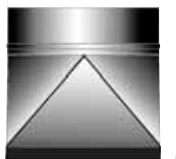


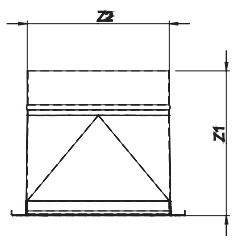
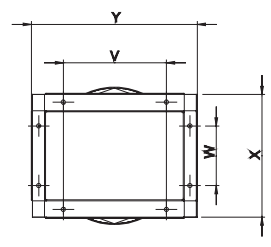
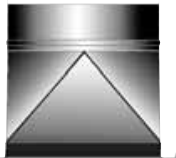


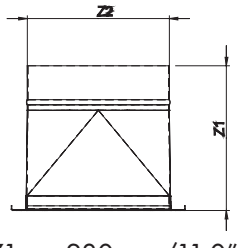
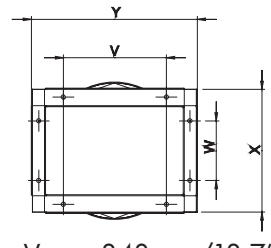
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# TEV-series fans

	Prod. no.	Description	Weight
	<b>TEV-385-50</b>	<p>Energy saving ventilator for air volumes up to 2500 m<sup>3</sup>/h/1470 CFM.</p> <ul style="list-style-type: none"> <li>• Housing material: Galvanized steel</li> <li>• Housing finish: Epoxy powder coat, yellow/black</li> <li>• Fan construction: AMCA type - B</li> <li>• Drive: Direct drive</li> <li>• Impeller type: Backward incline</li> <li>• Impeller material: Aluminium</li> <li>• Inlet size: Ø 160 mm / 6 5/16"</li> <li>• Outlet size: 160 x 254 mm / 6 5/16 x 10"</li> </ul>	35 kg/ 75 lbs
	<b>TEV-585-50</b>	<p>Energy saving ventilator for air volumes up to 5500 m<sup>3</sup>/h/3235 CFM.</p> <ul style="list-style-type: none"> <li>• Housing material: Galvanized steel</li> <li>• Housing finish: Epoxy powder coat, yellow/black</li> <li>• Fan construction: AMCA type - B</li> <li>• Drive: Direct drive</li> <li>• Impeller type: Backward incline</li> <li>• Impeller material: Aluminium</li> <li>• Inlet size: Ø 200 mm / 7 7/8"</li> <li>• Outlet size: 200 x 322 mm / 7 7/8 x 12 11/16"</li> </ul>	69 kg/ 152 lbs
	<b>TEV-765-50</b>	<p>Energy saving ventilator for air volumes up to 7500 m<sup>3</sup>/h/4410 CFM.</p> <ul style="list-style-type: none"> <li>• Housing material: Galvanized steel</li> <li>• Housing finish: Epoxy powder coat, yellow/black</li> <li>• Fan construction: AMCA type - B</li> <li>• Drive: Direct drive</li> <li>• Impeller type: Backward incline</li> <li>• Impeller material: Aluminium</li> <li>• Inlet size: Ø 250 mm / 9 27/32"</li> <li>• Outlet size: 220 x 402 mm / 8 21/32 x 15 13/16"</li> </ul>	121 kg/ 266 lbs
	<b>TEV-985-50</b>	<p>Energy saving ventilator for air volumes up to 12000 m<sup>3</sup>/h/7060 CFM.</p> <ul style="list-style-type: none"> <li>• Housing material: Galvanized steel</li> <li>• Housing finish: Epoxy powder coat, yellow/black</li> <li>• Fan construction: AMCA type - B</li> <li>• Drive: Direct drive</li> <li>• Impeller type: Backward incline</li> <li>• Impeller material: Aluminium</li> <li>• Inlet size: Ø 320 mm / 12 19/32"</li> <li>• Outlet size: 250 x 448 mm / 9 27/32 x 17 23/32"</li> </ul>	190 kg/ 419 lbs

	Prod. no.	Art. no.	Description
    	TEVKIT-3-50	7320-1011	<p>Outlet transition for TEV-385-50 to modify outlet from rectangular to round. Outlet transition fabricated of galvanized sheet metal.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>Elevation view</b></p>  <p>Z1 = 285 mm/11.2" Z2 = Ø 250 mm/9.8"</p> </div> <div style="text-align: center;"> <p><b>Plan view</b></p>  <p>V = 190 mm/7.5" W = 110 mm/4.3" X = 230 mm/9.1" Y = 306 mm/12.0"</p> </div> </div> <p>Inlet and outlet ductwork vibration isolator. Fabricated of <b>neopreem</b> rubber. Complete with:</p> <ul style="list-style-type: none"> <li>• one rubber inlet, L = 200 mm/7.9", Ø 160 mm/6.3"</li> <li>• one rubber outlet L = 200 mm/7.9", Ø 250 mm/9.8"</li> <li>• four adjustable hose clamps</li> </ul> <p>Fan mounting vibration isolators. Fabricated of <b>neopreem</b> rubber. Complete with:</p> <ul style="list-style-type: none"> <li>• four rubber vibration isolators</li> <li>• four fan mounting bolts with washers</li> </ul>
    	TEVKIT-5-50	7322-1011	<p>Outlet transition for TEV-585-50 to modify outlet from rectangular to round. Outlet transition fabricated of galvanized sheet metal.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>Elevation view</b></p>  <p>Z1 = 280 mm/11.0" Z2 = Ø 315 mm/12.4"</p> </div> <div style="text-align: center;"> <p><b>Plan view</b></p>  <p>V = 264 mm/10.4" W = 160 mm/6.3" X = 270 mm/10.6" Y = 382 mm/15.0"</p> </div> </div> <p>Inlet and outlet ductwork vibration isolator. Fabricated of <b>neopreem</b> rubber. Complete with:</p> <ul style="list-style-type: none"> <li>• one rubber inlet, L = 200 mm/7.9", Ø 250 mm/9.8"</li> <li>• one rubber outlet L = 200 mm/7.9", Ø 315 mm/12.4"</li> <li>• four adjustable hose clamps</li> </ul> <p>Fan mounting vibration isolators. Fabricated of <b>neopreem</b> rubber. Complete with:</p> <ul style="list-style-type: none"> <li>• four rubber vibration isolators</li> <li>• four fan mounting bolts with washers</li> </ul>

	Prod. no.	Art. no.	Description
    	TEVKIT-7-50	7324-1011	<p>Outlet transition for TEV-765-50 to modify outlet from rectangular to round. Outlet transition fabricated of galvanized sheet metal.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>Elevation view</b></p>  <p>Z1 = 290 mm/11.4" Z2 = Ø 400 mm/15.7"</p> </div> <div style="text-align: center;"> <p><b>Plan view</b></p>  <p>V = 280 mm/11.0" W = 150 mm/5.9" X = 292 mm/11.5" Y = 452 mm/17.8"</p> </div> </div> <p>Inlet and outlet ductwork vibration isolator. Fabricated of <b>neopreem</b> rubber. Complete with:</p> <ul style="list-style-type: none"> <li>• one rubber inlet, L = 200 mm/7.9", Ø 250 mm/9.8"</li> <li>• one rubber outlet L = 200 mm/7.9", Ø 400 mm/15.7"</li> <li>• four adjustable hose clamps</li> </ul> <p>Fan mounting vibration isolators. Fabricated of <b>neopreem</b> rubber. Complete with:</p> <ul style="list-style-type: none"> <li>• four rubber vibration isolators</li> <li>• four fan mounting bolts with washers</li> </ul>
    	TEVKIT-9-50	7326-1011	<p>Outlet transition for TEV-985-50 to modify outlet from rectangular to round. Outlet transition fabricated of galvanized sheet metal.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>Elevation view</b></p>  <p>Z1 = 280 mm/11.0" Z2 = Ø 500 mm/19.7"</p> </div> <div style="text-align: center;"> <p><b>Plan view</b></p>  <p>V = 348 mm/13.7" W = 170 mm/6.7" X = 318 mm/12.5" Y = 500 mm/19.7"</p> </div> </div> <p>Inlet and outlet ductwork vibration isolator. Fabricated of <b>neopreem</b> rubber. Complete with:</p> <ul style="list-style-type: none"> <li>• one rubber inlet, L = 200 mm/7.9", Ø 315 mm/12.4"</li> <li>• one rubber outlet L = 200 mm/7.9", Ø 500 mm/19.7"</li> <li>• four adjustable hose clamps</li> </ul> <p>Fan mounting vibration isolators. Fabricated of <b>neopreem</b> rubber. Complete with:</p> <ul style="list-style-type: none"> <li>• four rubber vibration isolators</li> <li>• four fan mounting bolts with washers</li> </ul>