

Inline Tubeaxial and Vaneaxial Usage Guide

Inline Tubeaxial and Vaneaxial Fans are versatile product lines offering users multiple mounting configurations within one Revit family.

How It Works

Refer to the **Twin City Fan Revit Family Usage Guide** for details on how to load a family into a project. Whether loading a belt or direct drive model, there are three discharge options to choose from: Horizontal, Vertical Up or Vertical Down. After selecting the required discharge, the user then chooses the fan size(s) to load into the model. Once loaded, the default values for the Fan Orientation and Motor Position (belt drive only) fields will be set to '0' regardless of the discharge selected. The user can change the value of these fields to modify the Fan Orientation and Motor Position of the model to meet the requirements of the application, see **Figure 1**. The construction section of the properties window in Revit will update to reflect the user determined inputs. **Table 1** describes what each Fan Orientation is and what is available with each Orientation. Note that for the belt driven models, there are checkboxes that allow the user to add or delete a belt guard accessory.

Users should be aware that certain fan types also have models for different construction options. Where applicable, the user will be able to load a model for a fan with high temperature or clamshell construction as well as a model for a fan with an insulated enclosure.

Figure 1

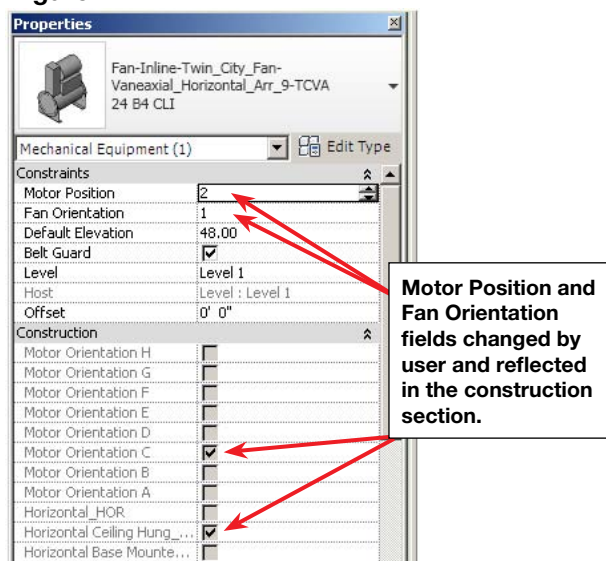


Table 1

Models	Horizontal			Vertical					
	Horizontal, No Brackets (HOR)	Horizontal Base Mounted (HBM)	Horizontal Ceiling Hung (A13)	Vertical Up, Brackets on Inlet (SA1/A6)	Vertical Up, Brackets on Outlet (SA4/A7)	Vertical Up, No Brackets (VUB)	Vertical Down, Brackets on Inlet (SA3/A8)	Vertical Down, Brackets on Outlet (SA2/A5)	Vertical Down, No Brackets (VDB)
ATAB ATAD	0,2,4,6	0,2,6	0,2,4,6	X	X	X	X	X	X

Models	Horizontal			Vertical					
	Horizontal, No Brackets (HOR)	Horizontal Base Mounted (HBM)	Horizontal Ceiling Hung (HCH)	Vertical Up, Brackets on Inlet (VUI)	Vertical Up, Brackets on Outlet (VUO)	Vertical Up, No Brackets (VUN)	Vertical Down, Brackets on Inlet (VDI)	Vertical Down, Brackets on Outlet (VDO)	Vertical Down, No Brackets (VDN)
TCDF/X/Z TCTA/TCVA TCTS/TCVS TCTSSH/ TCVSSH TCVX	0,1,2,3,4,5,6,7	0,1,2,6,7	0,1,2,3,4,5,6,7	X	X	X	X	X	X
TCBS	0,1,2,3,4,5,6,7	0,1,2,6,7	0,1,2,3,4,5,6,7	N/A	N/A	X	N/A	N/A	X

For assistance with Twin City Fan Revit models, please send an email to revithelp@tcf.com.