Centrifugal Utility Set Usage Guide

Twin City Fan's centrifugal utility sets offer users numerous discharge and rotation options. Models can be easily configured to job specific criteria by modifying two fields within Revit.

How It Works

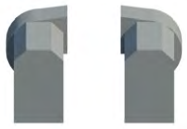
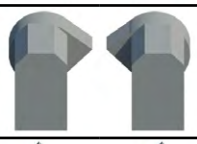
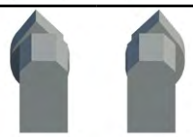
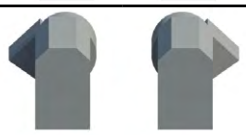
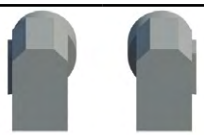
Refer to the **Twin City Fan Revit Family Usage Guide** for details on how to load a family into a project. Once the specific utility set model and size has been loaded into the project there are two parameters which the user must modify; the Discharge and the Rotation. The default values for the Discharge and Rotation will be set at '0' (Top Horizontal Discharge) and 'CW' (Clockwise) respectively. The user can change the Discharge to any one of the 7 available options by changing the numeric value in the Discharge field. **Table 1** describes each configuration in detail. To change the Rotation from CW to CCW, uncheck the box titled 'Clockwise Rotation'. Note that the Rotation is always determined by viewing the fan from the drive side as opposed to the inlet side. **Figure 1** below shows the difference between the drive and inlet sides of a fan. **Table 2** lists the available discharges by model.

Table 2: Available Discharges by Model

Model	Available Discharges						
	THD	DBD	TAD	TAU	UBD	BAU	BHD
BCV	0	1	2	3	4	5	6
BCVU5	0	1	2	3	4	5	6
BCVU2	0	—	—	3	4	5	6
BCVSH	0	—	—	3	4	5	6
FCV	0	1	2	3	4	5	6
BAV	0	1	2	3	4	5	6
BCJ	0	1	—	—	4	—	6
BCJU5	0	1	—	—	4	—	6
BCJU2	0	—	—	—	4	—	6
FCJ	0	1	—	—	4	—	6
DDF	0	1	—	—	4	—	6

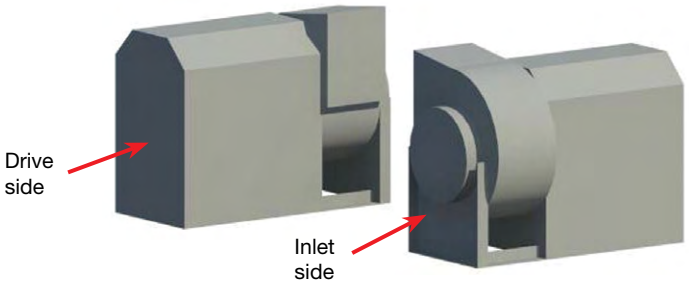
For assistance with Twin City Fan Revit models, please send an email to revithelp@tcf.com.

Table 1: Configurations*

Discharge	Description	Image	
		CW	CCW
0	Top Horizontal Discharge (THD)		
1	Downblast Discharge (DBD)		
2	Top Angular Downblast (TAD)		
3	Top Angular Upblast (TAU)		
4	Upblast Discharge (UBD)		
5	Bottom Angular Upblast (BAU)		
6	Bottom Horizontal Discharge (BHD)		

*Note: Rotation is as viewed from fan drive side.

Figure 1: Drive Side and Inlet Side Views



Drive side view (left) and inlet side view (right) of a model BCV with Top Horizontal Discharge Rotation (0) and Clockwise Rotation (CW).

TCF Twin City Fan